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PUBLICATION NO. 390, VOL. II

1930

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SECOND BIBLIOGRAPHY AND CATALOGUE OF THE FOSSIL VERTEBRATA OF NORTH AMERICA

BY

OLIVER PERRY HAY

Vol. II

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PACIFIC OCEANIC FISHERY
INVESTIGATIONS

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WASHINGTON, JANUARY 27, 1930

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PREFATORY NOTE

The present volume completes the *Second Bibliography and Catalogue of the Fossil Vertebrata of North America.* The work considerably exceeds in size the author's early estimates. It is hoped, however, that the book will not on that account be less useful.

While every reasonable effort has been made to secure accuracy of reference to original sources and citation to the vertebrate categories, it must be realized that each reference ought to be verified before acceptance. Nor will any one understand that he must adopt the classification presented or even the generic or specific names employed. Each person must depend on his own judgment. Nevertheless the writer hopes that the book will lend assistance to every user.

TABULAR KEY TO CATALOGUE

Class REPTILIA

Subclass	Superorder	Orders	Suborders	Superfamilies	Families	Page
Atremata		Cotylosauria	Conodectiformes		Conodectidæ	30
			Sauraviformes		Sauravidæ	31
			Gymnarthriformes		Gymnarthridæ	32
			Diadectiformes		Diadectidæ	33
					Procolophonidæ	36
					Bolosauridæ	36
			Pareiasauriformes		Pareiasauridæ	38
			Captorhiniformes		Captorhinidæ	39
					Pariotichidæ	42
					Limnoscelidæ	43
			Pantyliformes		Pantylidæ	44
			Poliosauriformes		Glaucosauridæ	46
					Poliosauridæ	47
					Ophiacodontidæ	49
Pœciloglyptica	Elpidosauria	Sphenacodontomorphi	Sphenacodontiformes		Sphenacodontidæ	52
			Edaphosauriformes		Edaphosauridæ	57
			Caseiformes		Caseidæ	59
		Therapsida	Dicynodontiformes		Dicynodontidæ	62
	Astatoglyptica	Testudinata	Athecæ		Dermochelyidæ	67
				Pleurosternoidæ	Pleurosternidæ	70
					Baënidæ	71
				Chelydroidæ	Bothremydidæ	74
				Thalassemydoidæ	Thalassemydidæ	75
				Chelonioidæ	Desmatochelyidæ	77
					Protostegidæ	78
					Cheloniidæ	79
			Thecophora		Chelydridæ	84
					Toxochelyidæ	86
					Dermatemydidæ	87
				Emydoidæ	Anosteiridæ	92
					Kinosternidæ	93
					Emydidæ	93
					Testudinidæ	99
				Trionychoidæ	Plastomenidæ	106
					Trionychidæ	107

					Plesiosauridæ	115
					Polycotylidæ	116
		Plesiosauria			Elasmosauridæ	117
					Brachaucheniidæ	119
					Mixosauridæ	124
Pœciloglyptica	Catacritosauria				Shastasauridæ	124
		Ichthyosauria			Ophthalmosauridæ	127
					Proteosauridæ	128
		Omphalosauria			Omphalosauridæ	129
	Eoditremata	Rhynchocephalia	Champsosauriformes		Champsosauridæ	132
			Sphenodontiformes		Sphenodontidæ	134
			Aëtosauriformes		Aëtosauridæ	138
		Phytosauromorphi			Stegomosuchidæ	139
			Desmatosuchiformes		Desmatosuchidæ	139
			Phytosauriformes		Phytosauridæ	141
			Goniopholidiformes		Goniopholdidæ	146
					Pholiodosauridæ	147
	Loricata	Crocodilomorphi	Gavialiformes		Gavialidæ	148
					Tomistomidæ	148
					Thoracosauridæ	149
			Crocodyliformes		Crocodylidæ	150
Diplotremata					Ornithocephalidæ	161
		Pterosauri	Ornithocephaliformes		Pteranodontidæ	161
					Tribelesodontidæ	164
				Zanclodontoidæ	Zanclodontidæ	168
					Anchisauridæ	170
					Megalosauridæ	173
				Megalosauroidæ	Ceratosauridæ	175
			Theropoda		Deinodontidæ	176
					Ornithomimidæ	181
					Labrosauridæ	184
					Cœluridæ	184
	Dinosauria	Saurischia		Cœluroidæ	Macelognathidæ	187
					Podokesauridæ	187
					Hallopidæ	187
					Camarasauridæ	189
			Sauropoda		Atlantosauridæ	194
					Brachiosauridæ	197
					Diplodocidæ	197

Class REPTILIA—Continued

Subclass	Superorder	Orders	Suborders	Superfamilies	Families	Page
Diplotremata	Dinosauria	Orthopoda		Iguanodontoidæ	Nanosauridæ	203
					Camptosauridæ	204
					Laosauridæ	205
					Hipsilophodontidæ	207
					Troödontidæ	207
					Hadrosauridæ	208
					Iguanodontidæ	219
				Ceratopsoidæ	Ceratopsidæ	220
				Stegosauroidæ	Scelidosauridæ	231
					Stegosauridæ	232
					Nodosauridæ	235
					Ankylosauridæ	237
Monotreta	Squamata	Aræoscelomorphi			Aræoscelidæ	240
		Thalattosauromorphi			Thalattosauridæ	241
		Sauria	Iguaniformes	Iguanoidæ	Iguanidæ	245
				Chamæleonoidæ	Chamæleonidæ	247
			Anguiformes	Scincoidæ	Lacertidæ	249
					Scincidæ	249
					Amphisbænidæ	249
					Leposternidæ	250
				Anguoidæ	Varanidæ	251
					Helodermidæ	252
					Anguidæ	253
			Mosasauriformes		Mosasauridæ	258
					Globidentidæ	264
		Serpentes			Palæophidæ	267
					Boidæ	267
					Colubridæ	269
					Crotalidæ	270

	Saururæ	Archæopterygomorphi			Archæopterygidæ	276
		Hesperornithomorphi			Hesperornithidæ	278
			Ichthyornithiformes		Ichthyornithidæ	281
			Diatrymatiformes		Diatrymatidæ	283
			Gaviiformes		Gaviidæ	284
			Colymbiformes		Colymbidæ	285
			Procellariiformes	Procellarioidæ	Diomedeidæ	287
					Procellariidæ	288
			Pelecaniformes	Pelecanoidæ	Pelecanidæ	289
					Cyphornithidæ	290
	Eurhipiduræ			Suloidæ	Sulidæ	291
					Phalacrocoracidæ	292
			Ciconiiformes	Ardeoidæ	Ardeidæ	294
				Ciconioidæ	Ciconiidæ	296
				Phœnicopteroidæ	Phœnicopteridæ	297
				Plataleoidæ	Plataleidæ	298
				Ibidoidæ	Ibididæ	298
			Anatiformes	Anatoidæ	Anatidæ	299
		Carinatæ	Falconiformes	Vulturoidæ	Vulturidæ	310
					Teratornithidæ	313
				Falconoidæ	Buteonidæ	314
					Falconidæ	320
					Ægypiidæ	323
			Galliformes	Galloidæ	Cracidæ	324
					Gallinuloididæ	325
					Tetraonidæ	325
					Perdicidæ	327
					Phasianidæ	327
					Meleagridæ	328
			Gruiformes	Gruoidæ	Gruidæ	331
			Ralliformes	Ralloidæ	Rallidæ	333
			Charadriiformes	Charadrioidæ	Charadriidæ	335
					Scolopacidæ	336
					Recurvirostridæ	338
					Phalaropidæ	338
					Œdicnemidæ	339
					Presbyornithidæ	339

Class AVES—Continued

Subclass	Superorder	Orders	Suborders	Superfamilies	Families	Page
			Lariformes	Laroidæ	Laridæ	339
				Alcoidæ	Alcidæ	342
			Columbiformes	Columboidæ	Columbidæ	345
			Psittaciformes		Psittacidæ	346
			Cuculiformes	Cuculoidæ	Cuculidæ	347
			Strigiformes		Tytonidæ	348
					Strigidæ	349
	Eurhipiduræ	Carinatæ	Piciformes	Picoidæ	Picidæ	352
				Formicarioidæ	Pteroptochidæ	354
					Alaudidæ	354
					Hirundinidæ	354
					Corvidæ	355
			Passeriformes	Fringilloidæ	Laniidæ	356
					Icteridæ	357
					Fringillidæ	358
					Palæospizidæ	359

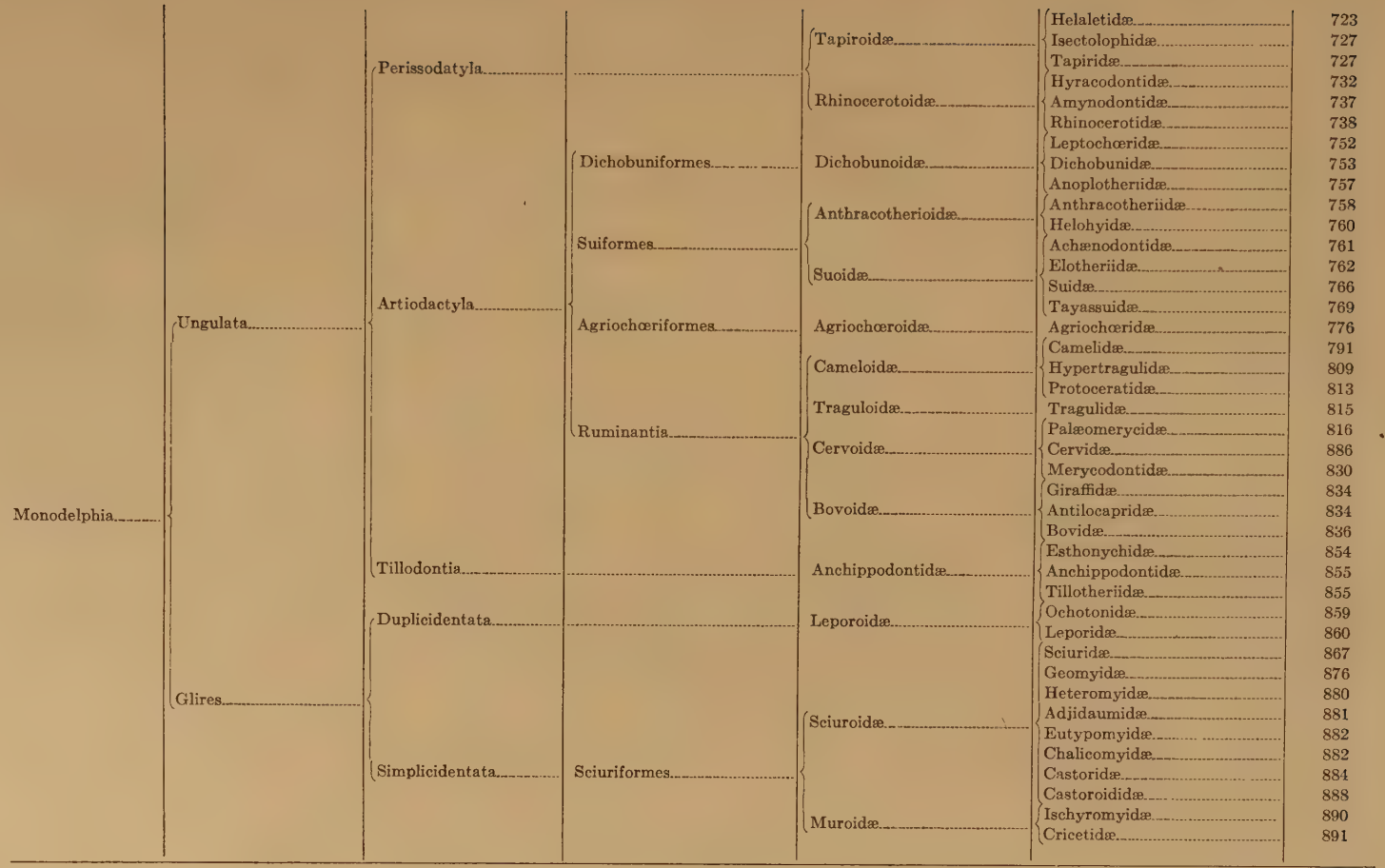
Class MAMMALIA

Prototheria		Protodonta			Dromatheriidæ	367
		Triconodonta			Triconodontidæ	369
		Symmetrodonta			Tinodontidæ	370
					Amphidontidæ	371
		Pantotheria			Paurodontidæ	371
Allotheria					Dryolestidæ	372
					Dicrocynodontidæ	374
		Multituberculata	Plagiaulacoidæ		Plagiaulacidæ	376
					Ptilodontidæ	378
					Polymastodontidæ	383
Didelphia		Marsupialia	Polyprotodontia	Didelphoidæ	Didelphidæ	389
		Tæniodonta			Conoryctidæ	398
Monodelphia					Stylinodontidæ	399
		Xenarthra	Tardigrada	Megatherioidæ	Megatheriidæ	404
			Hicanodonta	Dasypodoidæ	Dasypodidæ	415

Monodelphia		Xenarthra	Hicanodonta	Glyptodontoidæ	Glyptodontidæ	419
					Hoplophoridæ	421
			Palæonodonta		Metacheiromyidæ	421
					Epoicotheriidæ	422
		Insectivora	Lipotyphla	Pantolestoidæ	Pantolestidæ	425
				Tenrectoidæ	Apternodidæ	426
					Solenodontidæ	427
					Tenrecidæ	427
				Chrysochloroidæ	Chrysochloridæ	428
				Erinaceoidæ	Leptictidæ	429
					Erinaceidæ	433
				Soricoidæ	Nyctitheriidæ	434
					Talpidæ	435
					Soricidæ	439
			Hyopsodonta	Hyopsodontoidæ	Hyopsodontidæ	442
			Proglires	Mixodontoidæ	Plesiadapidæ	445
					Mixodectidæ	447
					Microsyopsidæ	448
			Menotyphla		Apheliscidæ	450
					Adapisoricidæ	451
					Tupaiidæ	451
					Plagiomenidæ	451
		Chiroptera	Animalivora	Vespertilioidæ	Vespertilionidæ	453
				Phyllostomoidæ	Phyllostomidæ	456
				Arctocyonoidæ	Oxyclænidæ	459
					Arctocyonidæ	463
				Mesonychoidæ	Triissodontidæ	465
					Mesonychidæ	466
				Oxyænoidæ	Oxyænidæ	470
					Hyænodontidæ	475
				Miacoidæ	Miacidæ	481
					Creotarsidæ	487
		Carnivora	Creodonta?		Canidæ	488
					Procyonidæ	513
				Ursoidæ	Bassariscidæ	515
					Ursidæ	516
			Fissipedia		Mustelidæ	524
				Feloidæ	Hyænidæ	538
					Felidæ	539

Class MAMMALIA—Continued

Subclass	Superorder	Orders	Suborders	Superfamilies	Families	Page
Monodelphia	Ungulata	Carnivora	Pinnipedia		Desmatophocidæ	557
					Otariidæ	557
					Odobenidæ	559
					Phocidæ	561
		Cete	Zeuglodontes		Dorudontidæ	568
					Basilosauridæ	569
			Mysticete		Cetotheriidæ	571
					Balænopteridæ	573
					Balænidæ	576
			Odontocete		Agorophiidæ	579
					Squalodontidæ	580
					Iniidæ	582
					Ziphiidæ	582
					Delphinidæ	585
					Platinistidæ	596
					Physeteridæ	596
		Condylarthra			Phenacodontidæ	602
					Meniscotheriidæ	606
					Mioclænidæ	607
		Amblypoda	Periptychiformes		Periptychidæ	609
					Pantolambdidæ	612
			Coryphodontiformes		Coryphodontidæ	614
					Eobasileidæ	617
		Proboscidea			Elephantidæ	622
		Sirenia	Desmostyliformes		Desmostylidæ	654
			Trichechiformes		Halitheriidæ	655
					Hydrodamalidæ	657
					Trichechidæ	658
		Notoungulata	Entelonychia		Arctostylopidæ	660
		Ancylopoda		Chalicotherioidæ	Chalicotheriidæ	661
					Moropodidæ	661
		Perissodactyla		Equoidæ	Equidæ	664
				Brontotherioidæ	Lambdotheriidæ	711
					Brontotheriidæ	717


Monodelphia
Ungulata
Glires
Perissodatyla
Artiodactyla
Tillodontia
Duplicidentata
Simplicidentata
Dichobuniformes
Suiformes
Agriochœriformes
Ruminantia
Sciuriformes
Tapiroidæ
Rhinocerotoidæ
Dichobunoidæ
Anthracotherioidæ
Suoidæ
Agriochœroidæ
Cameloidæ
Traguloidæ
Cervoidæ
Bovoidæ
Anchippodontidæ
Leporoidæ
Sciuroidæ
Muroidæ
Helaletidæ 723
Isectolophidæ 727
Tapiridæ 727
Hyracodontidæ 732
Amynodontidæ 737
Rhinocerotidæ 738
Leptochœridæ 752
Dichobunidæ 753
Anoplotheriidæ 757
Anthracotheriidæ 758
Helohyidæ 760
Achænodontidæ 761
Elotheriidæ 762
Suidæ 766
Tayassuidæ 769
Agriochœridæ 776
Camelidæ 791
Hypertragulidæ 809
Protoceratidæ 813
Tragulidæ 815
Palæomerycidæ 816
Cervidæ 886
Merycodontidæ 830
Giraffidæ 834
Antilocapridæ 834
Bovidæ 836
Esthonychidæ 854
Anchippodontidæ 855
Tillotheriidæ 855
Ochotonidæ 859
Leporidæ 860
Sciuridæ 867
Geomyidæ 876
Heteromyidæ 880
Adjidaumidæ 881
Eutypomyidæ 882
Chalicomyidæ 882
Castoridæ 884
Castoroididæ 888
Ischyromyidæ 890
Cricetidæ 891

Class MAMMALIA—Continued

Subclass	Superorder	Orders	Suborders	Superfamilies	Families	Page
Monodelphia	Glires	Simplicidentata	Sciuriformes	Dipodoidæ	Paramyidæ	902
					Allomyidæ	905
					Aplodontiidæ	905
					Cylindrodontidæ	907
					Mylagaulidæ	907
					Sciuravidæ	909
					Zapodidæ	909
					Dipodidæ	910
			Hystriciformes	Hystrioidæ	Erethizontidæ	911
					Dasyproctidæ	913
					Caviidæ	913
					Hydrochœridæ	914
		Primates	Lemuriformes	Lemuroidæ	Adapidæ	919
				Tarsoidæ	Tarsiidæ	925
			Anthropiformes	Pongoidæ	Pongidæ	930

SECOND BIBLIOGRAPHY AND CATALOGUE OF THE FOSSIL VERTEBRATA OF NORTH AMERICA

By Oliver Perry Hay

CATALOGUE

ICHNITES.

Hay, O. P. 1902 A, 538.
Abel, O. 1926 B, 444 ("fährten").
Arldt, T. 1907 D, 669 (Ornithichnites).
Blake, W. P. 1884 A, 273.
Bronn, H. G. 1848 B, 851 (Ornithoidichnites).
Campbell, G. D. 1883 A, 578.
Carus and Engelmann 1861 A, 1812 ("thierfährten").
Cope, E. D. 1883 V, 69.
Dietrich, W. O. 1926 A, 614 ("fährten").
Gibbes, C. D. 1882 A, 1, pls.
Gilmore, C. W. 1921 C, 333 ("footprints").
1926 C, xvi ("footprints").
1926 D, 362, 5 figs.
1926 G, 240.
1927 C, 45-48.
1927 F, 272 ("footprints").
Gilmore and Sturdevant 1928 A, 216 ("footprints").
Harkness, H. W. 1882 A, 1, pl.
Harkness, R. 1852 A, 246 ("footprints").
Hitchcock, C. H. 1898 A, 400 (Ichnozoa).
1927 A, 166 (Ornithichnites).
Hitchcock and Grier 1927 A, 184-197.
Kirchner, H. 1926 A, 184.
1927 A, 112 ("tierfährten").
Kukuk, P. 1926 A, 600 ("fährten").
Le Conte, J. 1882 A, 1.
1882 B, 1.
Lull, R. S. 1918 B, 200 ("footprints").
Lyell, C. 1845 B, 1, 252 ("Ornithichnites").
Mantell, G. A. 1844 A, 810 (Ornithichnites).
Marsh, O. C. 1883 B, 139.
Miller, H. 1857 A, 113 ("footprints").
Moodie, R. L. 1928 B, 215 ("footprints").
Mudge, B. F. 1873 A, 228 ("footprints").
Murchison, R. I. 1843 B, 141 ("ornithichnites").
Owen, R. 1842 F, 86 ("ornithichnites").
Pabst, W. 1896 A, 638.
1900 A, 48, 59 ("thierfährten").
1905 A, 1, 361 ("thierfährten").
1908 A, 325 ("thierfährten").
Rogers, H. D. 1844 A, 248 ("bird-tracks").

Dr. R. S. Lull has proposed the following nine families for the reception of the foot-prints found in the Connecticut Valley. In the present work the genera are arranged alphabetically.

ANCHISAURIPODIDÆ Lull.

Lull, R. S. 1904 A, 486. | *Lull, R. S.* 1915 A, 180.

ANOMŒPODIDÆ Lull.

Lull, R. S. 1904 A, 499. | *Lull, R. S.* 1915 A, 208.

BATRACHOPODIDÆ Lull.

Lull, R. S. 1904 A, 482. | *Lull, R. S.* 1915 A, 174.

EUBRONTIDÆ Lull.

Lull, R. S. 1904 A, 510. | *Lull, R. S.* 1915 A, 194.

GIGANDIPODIDÆ Lull.

Lull, R. S. 1904 A, 492. | *Lull, R. S.* 1915 A, 191.

GRALLATORIDÆ Lull.

Lull, R. S. 1904 A, 494. | *Lull, R. S.* 1915 A, 200.

OTOUPHEPODIDÆ Lull.

Lull, R. S. 1915 A, 187.

OTOZOIDÆ Lull.

Lull, R. S. 1904 A, 513.

Lull, R. S. 1915 A, 222.

SELENICHIDÆ Lull.

Lull, R. S. 1915 A, 206.

GENERA AND SPECIES.

AGOSTOPUS Gilmore. Type *A. matheri* Gilmore.

Gilmore, C. W. 1926 A, 23.
1927 D, 26.

Agostopus matheri Gilmore.

Gilmore, C. W. 1926 A, 23, 36, pl. x; text-fig. 16.
1927 D, 26, 28.
Permian (Coconino); Arizona.

Agostopus medius Gilmore.

Gilmore, C. W. 1927 D, 27, pl. viii; text-fig. 11.
1927 D, 4 (A. robustus; nom. nud.).
1928 A, 15 (A. robustus; nom. nud.).
Permian (Coconino); Arizona.

ALLOPUS Marsh. Type *A. littoralis* Marsh.

Hay, O. P. 1902 A, 538.
Gilmore, C. W. 1926 A, 30.
Tilton, J. L. 1926 B, 391.

Allopus ? arizonæ Gilmore.

Gilmore, C. W. 1926 A, 29, pl. xi, fig. 2; text-fig. 2.
1927 D, 26 (This genus?).

Tilton, J. L. 1926 B, 391.
Permian (Coconino); Arizona.

Allopus littoralis Marsh.

Hay, O. P. 1902 A, 538.
Abel, O. 1912 F, 67.
Gilmore, C. W. 1926 A, 30.
Pennsylvanian; Kansas.

AMBLYOPUS Gilmore. Type *A. pachypodus* Gilmore.

Gilmore, C. W. 1927 D, 29.

Amblyopus pachypodus Gilmore.

Gilmore, C. W. 1927 D, 29, pl. ix; text-fig. 12.
Permian (Coconino); Arizona.

AMBLYPUS E. Hitchcock. Type *A. dextratus* E. Hitchcock.

Hay, O. P. 1902 A, 538.
Lull, R. S. 1904 A, 530.
1915 A, 249.
1917 D, 123.

Amblypus dextratus E. Hitchcock.

Hay, O. P. 1902 A, 538.

Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 530.
1915 A, 249, fig. 107.
1917 D, 123.
Triassic (Newark); Massachusetts.

AMMOBATRACHUS Gilmore. Type *A. turbatans* Gilmore.

Gilmore, C. W. 1928 A, 8.

Ammobatrachus montanensis Gilmore.

Gilmore, C. W. 1928 D, 1, pls. i-iii; text-fig. 1.
Paleocene (Fort Union); Montana.

Ammobatrachus turbatans Gilmore.

Gilmore, C. W. 1928 A, 8, pl. ii; text-fig. 4.
1928 D, 3.
Permian (Supai); Arizona.

AMMOPUS Marsh. Type *A. marshi* Lull.

Marsh, O. C. 1896 C, pl. v, fig. 1 (No description; no species).
Abel, O. 1926 B, 36.
Lull, R. S. 1915 A, 263.
1917 D, 126.
Nopcsa, F. 1923 C, 464, fig. 3.
1923 H, 145, 146.

Ammopus marshi Lull.

Lull, R. S. 1915 A, 264, figs. 125, 126.
1917 D, 126.
Triassic (Newark); Massachusetts.

ANCHISAURIPUS Lull. Type *A. sillimani* (E. Hitchcock).

Lull, R. S. 1904 A, 486.
Hay, O. P. 1902 A, 543 (Eubrontes, part).

Abel, O. 1911 A, 156.
1912 F, 271, 659.

Abel, O. 1926 B, 36, 38, 438.
1926 G (146).
Lull, R. S. 1905 C, 299.
1910 A, 14.
1915 A, 180.
1917 D, 114.
Nopcsa, F. 1923 C, 464, fig. 2.
1923 H, 145, 146 (Anchisauropus).
Reichbach, H. G. L. 1853 A, xxx (Cybele, type Ornithichnites tuberosus E. Hitchcock).

Anchisauripus dananus (E. Hitchcock).

Hitchcock, E. 1843 A, 256, pl. xi, fig. 2 (Ornithoidichnites).
Hay, O. P. 1902 A, 543 (Eubrontes dananus, part).
Abel, O. 1911 A, 157 (A. dananus).
1912 F, 403, fig. 287 (A. dananus).
Hay, O. P. 1910 C, 13 (A. dananus).
Heilmann, G. 1926 A, 180, fig. 130 (A. sillimani).
Hitchcock, E. 1845 B, 23 (Eubrontes dananus, part).
1847 A, 49 (Brontozoum sillimanium).
1858 A, 68, pl. xii, fig. 3; pl. xxxiii, figs. 4, 5; pl. xliii, fig. 6 (part).
Hitchcock and Grier 1927 A, 186, 187, 188, 190, 191, 197 (A. sillimani).
Lull, R. S. 1904 A, 470, 487, fig. 4 (A. dananus).
1915 A, 141, 181, 223. fig. 38 (A. sillimani).
1917 D, 114 (A. sillimani).
Lyman, B. S. 1894 A, 205, 209, 210, 213 (Brontozoum sillimanium).
Rice and Gregory 1906 A, 175, text-figs. 4, 5 (A. dananus).
Triassic (Newark); Massachusetts, Connecticut, Pennsylvania.

Anchisauripus exsertus (E. Hitchcock).

Hay, O. P. 1902 A, 543 (Eubrontes).
Abel, O. 1911 A, 157.
Hitchcock and Grier 1927 A, 193.
Lull, R. S. 1904 A, 489, fig. 7.
1915 A, 184, fig. 41.
1917 D, 114.
Lyman, B. S. 1894 A, 205, 210 (Brontozoum).
Triassic (Newark); Massachusetts, Connecticut.

Anchisauripus hitchcocki Lull.

Lull, R. S. 1904 A, 488, fig. 5.
Heilmann, G. 1926 A, 180, fig. 130.
Hitchcock and Grier 1927 A, 186, 187, 189, 191 (A. hitchcockii).
Lull, R. S. 1915 A, 182, fig. 39.
1917 D, 114.
Triassic (Newark); Massachusetts.

Anchisauripus minusculus (E. Hitchcock).

Hay, O. P. 1902 A, 544 (Eubrontes).
Hitchcock and Grier 1927 A, 191.
Lull, R. S. 1904 A, 490, fig. 8.
1915 A, 185, fig. 42.
1917 D, 114.
Lyman, B. S. 1894 A, 205, 206, 209, 210, 213 (Brontozoum).
Triassic (Newark); Massachusetts.

Anchisauripus parallelus (E. Hitchcock).

Hay, O. P. 1902 A, 545 (Grallator).
Heilmann, G. 1926 A, 180, fig. 130.
Lull, R. S. 1904 A, 490, fig. 9.
1915 A, 187, fig. 43.
1917 D, 114.
Lyman, B. S. 1894 A, 205, 213, 214.
Triassic (Newark); Massachusetts, New Jersey.

Anchisauripus tuberatus (E. Hitchcock).

Hay, O. P. 1902 A, 544 (Eubrontes).
Lull, R. S. 1904 A, 491, fig. 10.
1915 A, 187 (Anchisauripus); 199, fig. 52 (Eubrontes).
1917 D, 116 (Eubrontes tuberatus).
Lyman, B. S. 1894 A, 206 (Brontozoum).
Triassic (Newark); Massachusetts.

Anchisauripus tuberosus (E. Hitchcock).

Hay, O. P. 1902 A, 544 (Eubrontes).
Abel, O. 1926 B, 24, fig. 14.
Cushman, J. A. 1907 A, 273 (Brontozoum validum).
Hitchcock and Grier 1927 A, 187, 193.
Lull, R. S. 1904 A, 488, fig. 6.
1915 A, 182, fig. 40.
1917 D, 114.
1927 A, 48, fig. 1.
Lyman, B. S. 1894 A, 205, 210 (Brontozoum validum).
Reichenbach, H. G. L. 1853 A, xxx (Cybele).
Triassic (Newark); Massachusetts.

Anchisauripus sp. indet.

Thorpe, M. R. 1928 A, 39.
Triassic (Newark); Connecticut.

ANCYROPUS E. Hitchcock. Type *Sauroidichnites heteroclitus* E. Hitchcock.

Hay, O. P. 1902 A, 538.
Lull, R. S. 1904 A, 528.
1915 A, 247.
1917 D, 123.

Ancyropus heteroclitus E. Hitchcock.

Hay, O. P. 1902 A, 538.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 529.
1915 A, 247, fig. 105.
1917 D, 123.
Lyman, B. S. 1894 A, 211.
Triassic (Newark); Connecticut, Massachusetts.

ANOMALOPUS Gilmore. Type *A. sturdevanti* Gilmore.

Gilmore, C. W. 1927 D, 68.

Anomalopus sturdevanti Gilmore.

Gilmore, C. W. 1927 D, 10, 68, pl. xx; text-fig. 36.
Permian (Supai); Arizona.

ANOMŒPUS E. Hitchcock. Type *A. scambus* E. Hitchcock.

Hay, O. P. 1902 A, 539.
Abel, O. 1912 F, 271, 660.
1926 B, 36, 39, 438.
Heilmann, G. 1926 A, 203, fig. 115.
Hitchcock, C. H. 1898 A, 401.
Lucas, F. A. 1901 J, 39.
Lull, R. S. 1904 A, 500, 544.
1905 C, 299.
1915 A, 208.
1917 D, 117, pl. iii, fig. 3.
1924 A, 260.
Nopcsa, F. 1923 C, 464, fig. 3.
1923 H, 145, 146.
Osborn, H. F. 1917 B, 211, fig.
Reichenbach, H. G. L. 1853 A, xx, xxi, xxxi (Hitchcockia, type *Ornithichnites gracillimus* E. Hitch.); xxii (*Deanea*, type *O. fuliculoides*).
Wyman, J. 1867 B, 249.

Anomœpus crassus (C. H. Hitchcock).

Hay, O. P. 1902 A, 540 (Apatichnus).
Lull, R. S. 1904 A, 503, fig. 23.
1915 A, 212, fig. 65.
1917 D, 118.
Lyman, B. S. 1894 A, 214 (Apatichnus).
Triassic (Newark); New Jersey.

Anomœpus? culbertsonii (King).

Hay, O. P. 1902 A, 539.
Gilmore, C. W. 1927 D, 10.
Matthew, G. F. 1903 D, 113 (Ornithichnites).
Nopcsa, F. 1923 H, 137 (Ornithichnites).
Pennsylvanian; Pennsylvania.

Anomœpus cuneatus C. H. Hitchcock.

Hay, O. P. 1902 A, 539.
Lull, R. S. 1904 A, 504.
1915 A, 215.
1917 D, 118.
Triassic (Newark); Massachusetts, Connecticut.

Anomœpus curvatus E. Hitchcock.

Hay, O. P. 1902 A, 539.
Abel, O. 1926 B, 20, fig. 10.
Lull, R. S. 1904 A, 474, 502, fig. 22.
1915 A, 212, fig. 64.
1917 D, 118.
Lyman, B. S. 1894 A, 205, 209.
Triassic (Newark); Massachusetts.

Anomœpus? gallinuloides (King).

Hay, O. P. 1902 A, 539.
Matthew, G. F. 1903 D, 113, pl. ii, fig. 1 (Ornithichnites).
Nopcsa, F. 1923 H, 137 (Ornithichnites).
Pennsylvanian; Pennsylvania.

Anomœpus giganteus Hitchcock and Grier.

Hitchcock and Grier 1927 A, 187.
Triassic (Newark); Massachusetts.

Anomœpus gracillimus (E. Hitchcock).

Hay, O. P. 1902 A, 539.
Hitchcock and Grier 1927 A, 187.
Lull, R. S. 1904 A, 504.
1915 A, 214, fig. 67.
1917 D, 118.
Lyman, B. S. 1894 A, 205, 210 (Grallator).
Reichenbach, H. G. L. 1853 A, 29 (Hitchcockia gracilis); xx, xxi (Hitchcockia gracillima, H. fulicaria).
Triassic (Newark); Connecticut, Massachusetts, Pennsylvania.

Anomœpus intermedius E. Hitchcock.

Hay, O. P. 1902 A, 539 (A. intermedius); 550 (Plesiornis minor).
Abel, O. 1911 A, 158, 174.
1912 F, 277.
Cushman, J. A. 1907 A, 274 (Plesiornis quadrupes).
Heilmann, G. 1926 A, 159, fig. 113.
Lull, R. S. 1904 A, 470, 501, figs. 19-21.
1915 A, 210, figs. 62, 63.
1917 B, 414, 509, fig. 101.
1917 D, 117.
Lyman, B. S. 1894 A, 205, 213 (A. intermedius); 205, 206 (Plesiornis quadrupes); 210, 214 (Brontozoum isodactylum).
Reichenbach, L. 1852 A, xxii (Deanea fulicoides).
Triassic (Newark); Massachusetts, Connecticut, New Jersey.

Anomœpus isodactylus C. H. Hitchcock.

Hay, O. P. 1902 A, 539.
Abel, O. 1926 B, 21.
Lull, R. S. 1904 A, 505. fig. 25.
1915 A, 215, fig. 68.
1917 D, 118.
Triassic (Newark); Massachusetts.

Anomœpus major E. Hitchcock.

Hay, O. P. 1902 A, 539.
Lyman, B. S. 1894 A, 207.
Triassic (Newark); Massachusetts, New Jersey.

Anomœpus minimus E. Hitchcock.

Hay, O. P. 1902 A, 539.
Abel, O. 1912 F, 70.
Lull, R. S. 1904 A, 503, fig. 24.
1915 A, 213, fig. 66.
1917 D. 118.
Lyman, B. S. 1894 A, 205.
Triassic (Newark); Massachusetts.

Anomœpus scambus E. Hitchcock.

Hay, O. P. 1902 A, 539.
Abel, O. 1912 F, 273, 277, fig. 200.
Heilmann, G. 1926 A, 158, figs. 112, 114, 116.
Lull, R. S. 1904 A, 500, fig. 18.
1912 D, 415, fig. 5.
1915 A, 209, fig. 61.
Lull, R. S. 1917 D, 117.
Lyman, B. S. 1894 A, 205, 214 (A. minor).
Triassic (Newark); Massachusetts.

Anomœpus sp. indet.

Hitchcock and Grier 1927 A, 196, 197.
Triassic (Newark); Massachusetts.

ANTHRACOPUS Leidy. Type *A. ellangowensis* Leidy.

Hay, O. P. 1902 A, 539.
Gilmore, C. W. 1927 D, 51, text-fig. 24.
Matthew, G. F. 1903 D, 109 (Syn. of *Palæosauropus* Hay).

Anthracopus ellangowensis Leidy.

Hay, O. P. 1902 A, 539.
Matthew, G. F. 1903 B, 104.
1903 D, 112.
Pennsylvanian; Pennsylvania.

ANTICHEIROPUS E. Hitchcock. Type *A. pilulatus* E. Hitchcock.

Hay, O. P. 1902 A, 539.
Hitchcock, C. H. 1898 A, 401.
Lull, R. S. 1904 A, 540.
A genus of doubtful validity.

Anticheiropus hamatus E. Hitchcock.

Hay, O. P. 1902 A, 539.
Hitchcock and Grier 1927 A, 186.
Lull, R. S. 1904 A, 541.
Lyman, B. S. 1894 A, 205.
Triassic (Newark); Massachusetts.

Anticheiropus pilulatus E. Hitchcock.

Hay, O. P. 1902 A, 539.
Hitchcock and Grier 1927 A, 192.
Lull, R. S. 1904 A, 540.
Lyman, B. S. 1894 A, 210.
Triassic (Newark); Massachusetts.

ANTIPUS E. Hitchcock. Type *A. flexiloquus* E. Hitchcock.

Hay, O. P. 1902 A, 540.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 536.
1913 A, 257.
1917 D, 125.

Antipus bifidus E. Hitchcock.

Hay, O. P. 1902 A, 540.
Lull, R. S. 1904 A, 536.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

Antipus flexiloquus E. Hitchcock.

Hay, O. P. 1902 A, 540.
Lull, R. S. 1904 A, 536.
1915 A, 258, fig. 117.
1917 D, 125.
Lyman, B. S. 1894 A, 206 (Orthodactylus).
Triassic (Newark); Massachusetts.

APATICHNUS E. Hitchcock. Type *A. circumagens* E. Hitchcock.

Hay, O. P. 1902 A, 540.
Abel, O. 1912 F, 272.
1926 B, 36.
Hitchcock, C. H. 1898 A, 401.
Lull, R. S. 1904 A, 508.
1915 A, 220.
1917 D, 118.
Nopcsa, F. 1923 C, 464, fig. 2.
1923 H, 145, 146.

Apatichnus circumagens E. Hitchcock.

Hay, O. P. 1902 A, 540.
Lull, R. S. 1904 A, 508, fig. 29.
1915 A, 220, fig. 72.
1917 D, 118.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

Apatichnus holyokensis C. H. Hitchcock.

Hay, O. P. 1902 A, 540.
Lull, R. S. 1915 A, 211 (Syn. of Anomœpus intermedius).
Triassic (Newark); Massachusetts.

Apatichnus minor (E. Hitchcock).

Hay, O. P. 1902 A, 545 (Gigandipus).
Abel, O. 1911 A, 158.
Lull, R. S. 1904 A, 509, fig. 30.
1915 A, 221, fig. 73.
1917 D, 119.
Lyman, B. S. 1894 A, 206 (Gigantitherium).
Triassic (Newark); Massachusetts.

ARACHNICHNUS E. Hitchcock. Type *A. dehiscens* E. Hitchcock.

Hay, O. P. 1902 A, 540.
Lull, R. S. 1904 A, 538.
1915 A, 261.
1917 D, 126.

Arachnichnus dehiscens E. Hitchcock.

Hay, O. P. 1902 A, 540.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 539.
1915 A, 261, fig. 122.
1917 D, 126.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

ARGOIDES E. Hitchcock. Type *A. isodactylus* E. Hitchcock.

Hay, O. P. 1902 A, 540.
Hitchcock, C. H. 1898 A, 401 (Argozoum).
Lull, R. S. 1904 A, 518.
1915 A, 230.
1917 D, 120.
Reichenbach, L. 1853 A, 25, xii, xix (Argoides); 25, xxii, xxx (Berycynthia, type *Ornithichnites redfieldii* E. Hitchcock).

Argoides isodactyletus E. Hitchcock.

Hay, O. P. 1902 A, 540 (A. isodactylatus).
Lull, R. S. 1904 A, 518.
1915 A, 230 (Syn. of A. minimus).
Lyman, B. S. 1894 A, 209, 211 (Argozoum paridigitatum).
Triassic (Newark); Massachusetts.

Argoides macrodactylotus (E. Hitchcock).

Hay, O. P. 1902 A, 540 (A. macrodactylatus).
Hitchcock and Grier 1927 A, 197.
Lull, R. S. 1904 A, 519.
1915 A, 231, fig. 85 (A. macrodactylus).
1917 D, 120.
Lyman, B. S. 1894 A, 206 (Argozoum); 209, 211, 214 (Argozoum disparidigitatum).
Triassic (Newark); Connecticut.

Argoides minimus E. Hitchcock.

Hay, O. P. 1902 A, 550 (Plesiornis).
Hitchcock and Grier 1927 A, 196.
Lull, R. S. 1915 A, 230, pl. i, fig. 84.
1917 D, 120.
Lyman, B. S. 1894 A, 209 (Plesiornis æqualipes).
Triassic (Newark); Massachusetts, Connecticut.

Argoides redfieldianus E. Hitchcock.

Hay, O. P. 1902 A, 540.
Lull, R. S. 1904 A, 519.
1915 A, 232 (A. redfieldii).
1917 D, 120 (A. redfieldii).
Lyman, B. S. 1894 A, 211 (Argozoum).
Reichenbach, L. 1853 A, 35, xxx, (Berycynthia redfieldii).
Triassic (Newark); Massachusetts.

Argoides robustus E. Hitchcock.

Hay, O. P. 1902 A, 540.
Lull, R. S. 1904 A, 519.
Triassic (Newark); Massachusetts.

ARTIODACTYLUS Abel. Type *A. sinclairi* Abel.

Abel, O. 1926 B, 42.

Artiodactylus sinclairi Abel.

Abel, O. 1926 B, 42, 52, fig. 23.
Triassic (Stockton); New Jersey.

ASPERIPES Matthew. Type *A. avipes* Matthew.

Matthew, G. F. 1903 C, 99.
Gregory, W. K. 1915 D, 368.
Matthew, G. F. 1904 A, 86.

Asperipes avipes Matthew.

Matthew, G. F. 1903 C, 101, pl. i, fig. 3.
Gregory, W. K. 1915 D, 368.
Lambe, L. M. 1904 C, 36, 46.
Matthew, G. F. 1904 A, 87, 88, pl. i, fig. 2.
Coal Measures; Nova Scotia.

Asperipes caudifer (Dawson).

Hay, O. P. 1902 A, 546 (Hylopus).
Gilmore, C. W. 1927 D, 46 (Hylopus. Referred to Asperipes).
Lambe, L. M. 1904 C, 36, 46 [A. (Hylopus)].
Matthew, G. F. 1903 C, 102 (Hylopus?).
1903 D, 102, 112, 114, pl. iii, fig. 3 (Hylopus).
1904 A, 88 (Hylopus?); 90, pl. ii, fig. 1; pl. vi, fig. 5 (Asperipes).
Coal Measures; Nova Scotia.

Asperipes flexilis Matthew.

Matthew, G. F. 1904 A, 89, pl. i, fig. 3; pl. vi, figs. 3, 4.
Coal Measures; Nova Scotia.

BARILLOPUS Matthew. Type *B. unguifer* Matthew.

Matthew, G. F. 1903 C, 103.
Gilmore, C. W. 1926 A, 11, 25.
Matthew, G. F. 1903 D, 115.
1904 A, 94.

Barillopus arctus Matthew.

Matthew, G. F. 1904 A, 95, pl. iii, fig. 1.
Gilmore, C. W. 1926 A, 12, text-fig. 7.
Coal Measures; Nova Scotia.

Barillopus confusus Matthew.

Matthew, G. F. 1904 A, 95, pl. iii, fig. 2.
Nopcsa, F. 1923 H, 135.
Coal Measures; Nova Scotia.

Barillopus unguifer Matthew.

Matthew, G. F. 1903 C, 104, pl. i, fig. 5.
Lambe, L. M. 1904 C, 36, 46.
Matthew, G. F. 1903 B, 104, pl. ii, fig. 2 (Baropus).
1903 D, 113, 115 (Baropus).
1904 A, 94.
Coal Measures; Nova Scotia.

BAROPEZIA Matthew. Type *Sauropus sydnensis* Dawson.

Matthew, G. F. 1903 C, 105.
Gilmore, C. W. 1926 A, 18.
Matthew, G. F. 1904 A, 99.

Baropezia abscissa Matthew.

Matthew, G. F. 1904 A, 101, pl. v, fig. 4.
Gilmore, C. W. 1926 A, 20, text-fig. 13.
1926 N, 20, fig. 2.
Nopcsa, F. 1923 H, 135-136.
Coal Measures; Nova Scotia.

Baropezia eakini Gilmore.

Gilmore, C. W. 1926 A, 18, 35, pls. viii, ix; text-fig. 11.
Abel, O. 1926 B, 208.
Permian (Coconino); Arizona.

Baropezia sydnensis (Dawson).

Hay, O. P. 1902 A, 548 (Palæosauropus sydenensis).
Gilmore, C. W. 1926 A, 20; text-fig. 12.
Lambe, L. M. 1904 C, 36, 46 [B. (Sauropus)].
Matthew, G. F. 1903 C, 106, pl. i, fig. 1 ("Sauropus," "Baropezia").
1903 D, 110, 113 (Sauropus).
1904 A, 100, pl. v, fig. 3.
Nopcsa, F. 1923 H, 136.
Coal Measures; Nova Scotia.

BAROPUS Marsh. Type *B. lentus* Marsh.

Hay, O. P. 1902 A, 541.
Gilmore, C. W. 1927 D, 23.
Matthew, G. F. 1903 C, 104.
1904 A, 94.

Baropus coconinoensis Gilmore.

Gilmore, C. W. 1927 D, 24, pl. vii; text-fig. 9.
Permian (Coconino); Arizona.

Baropus lentus Marsh.

Hay, O. P. 1902 A, 541.
Abel, O. 1912 F, 67.
Gilmore, C. W. 1927 D, 23, text-fig. 10.
Hickling, G. 1909 A, 30, pl. iv, fig. 33.
Jaekel, O. 1909 B, 596, fig. 7.
Martin, H. T. 1922 B, 105.
Matthew, G. F. 1903 D, 113, pl. iii, fig. 6.
Pennsylvanian; Kansas.

BARYPODUS Gilmore. Type *B. palmatus* Gilmore.

Gilmore, C. W. 1926 A, 27.
1927 D, 19.

Barypodus metszeri Gilmore.

Gilmore, C. W. 1927 D, 21, pl. vi; text-fig. 8.
Permian (Coconino); Arizona.

Barypodus palmatus Gilmore.

Gilmore, C. W. 1926 A, 27, pl. xi, fig. 1; text-fig. 18.
Gilmore, C. W. 1927 D, 1, 19.
Permian (Coconino); Arizona.

Barypodus tridactylus Gilmore.

Gilmore, C. W. 1927 D, 20, pl. v; text-fig. 7.
1927 B, 47, fig. 53 ("footprint").
Permian (Coconino); Arizona.

BATRACHICHNUS Woodworth. Type *B. plainvillensis* Woodworth.

Hay, O. P. 1902 A, 541 (Batrachichnus).
Gilmore, C. W. 1927 D, 541.

Batrachichnus celer (Matthew).

Matthew, G. F. 1903 B, 106, pl. ii, fig. 3 (Dromopus).
Gilmore, C. W. 1927 D, 36, 40 (Dromopus, Batrachichnus).
Lambe, L. M. 1904 C, 36, 46 (Dromillopus).
Matthew, G. F. 1903 D, 112, 114 (Dromopus).
1904 A, 91 (Dromopus).
Carboniferous; Nova Scotia.

Batrachichnus delicatulus (Lull).

Lull, R. S. 1918 A. 344, pl. iii, fig. 1; text-fig. 4 (Exocampe?).
Abel, O. 1926 B, 215 (Exocampe?).
Gilmore, C. W. 1927 D, 36, pl. xii; text-figs. 15, 16.
Schuchert, C. 1918 A, 354 (Exocampe?).
Permian (Hermit); Arizona.

Batrachichnus jacksonensis (Butts).

Butts, E. 1891 A, 18, fig. (Notalacerta)
Gilmore, C. W. 1927 D, 11, 36 (Notalacerta. Referred to Batrachichnus).
Matthew, G. F. 1903 D, 112, 115 (Notalacerta).
Coal Measures (Upper); Missouri.

Batrachichnus obscurus Gilmore.

Gilmore, C. W. 1927 D, 40, pl. xiii; text-fig. 17.
Permian (Hermit); Arizona.

Batrachichnus plainvillensis Woodworth.

Hay, O. P. 1902 A, 541.
Gilmore, C. W. 1927 D, 40, text-fig. 18.
Matthew, G. F. 1903 B, 107 (Batrachites).
1903 D, 112, 114.
1904 A, 91.
Carboniferous; Massachusetts.

BATRACHOIDES E. Hitchcock. Type *B. nidificans* E. Hitchcock.

Hay, O. P. 1902 A, 541.
Abel, O. 1926 B, 50-53.
1927 C, 329.
Hitchcock, C. H. in Hitchcock and Grier 1927 A, 189 (Koilosoma).
The objects to which this name was given are now regarded as of inorganic origin.

Batrachoides antiquior E. Hitchcock.
Hay, O. P. 1902 A, 541.
Abel, O. 1927 C, 329.
Kindle, E. M. 1914 A, 159, pl. viii (Not a fossil).
Triassic; Connecticut.

Batrachoides nidificans E. Hitchcock.
Hay, O. P. 1902 A, 541.
Abel, O. 1926 B, 50, figs. 27, 28.
1927 C, 329.
Hitchcock, C. H. 1898 A, 402.
Hitchcock and Grier 1927 A, 189 (Batrachoides); 193, 196 (Koilosoma).
Kindle, E. M. 1914 A, 159.
Lyman, B. S. 1894 A, 210.
Triassic (Newark); Connecticut.

BATRACHOPUS E. Hitchcock. Type *B. deweyanus* E. Hitchcock.

Hay, O. P. 1902 A, 541.
Abel, O. 1912 F, 70.
1926 B, 37.
Bronn, H. G. 1848 A, 148 (Batrachioidichnites).
Hitchcock, C. H. 1898 A, 402 (Anisichnus).
Lull, R. S. 1904 A, 479, 482, 546.
1904 B, 381.
1905 C, 299.
1915 A, 174.
1917 D, 113.
Nopcsa, F. 1923 H, 142, 143.

Batrachopus bellus (E. Hitchcock).
Hay, O. P. 1902 A, 540 (Apatichnus).
Lull, R. S. 1904 A, 485.
1915 A, 178, fig. 36.
1917 D, 113.
Lyman, B. S. 1894 A, 206 (Apatichnus).
Triassic (Newark); Massachusetts.

Batrachopus deweyanus E. Hitchcock.
Hay, O. P. 1902 A, 541.
Lansing, G. Y. 1854 A, 62 (Batrachoidichnites deweyi).
Lull, R. S. 1904 A, 483.
1915 A, 175, fig. 32 (B. deweyi).
1917 D, 113 (B. deweyi).
Lyman, B. S. 1894 A, 205, 206, 209, 210 (Anisopus).
Triassic (Newark); Massachusetts, Connecticut.

Batrachopus dispar Lull.
Lull, R. S. 1904 A, 483, fig. 2.
Lull, R. S. 1904 B, 382.
1915 A, 176, fig. 33.
1917 D, 113.
Triassic (Newark); Massachusetts.

Batrachopus gracilior (E. Hitchcock).
Hay, O. P. 1902 A, 541.
Hitchcock and Grier 1927 A, 194, 196.
Lull, R. S. 1904 A, 484.
1915 A, 177, fig. 35.
1917 D, 113.
Lyman, B. S. 1894 A, 205 (Anisopus).
Triassic (Newark); Massachusetts.

Batrachopus gracilis (E. Hitchcock).
Hay, O. P. 1902 A, 541.
Cushman, J. A. 1907 A, 273 (Anisopus).
Hitchcock and Grier 1927 A, 186, 189, 190.
Lull, R. S. 1904 A, 484, fig. 3.
1904 B, 382, fig. 1.
1915 A, 109, 177, fig. 34.
1917 D, 113.
Lydekker, R. 1905 B, 278.
Lyman, B. S. 1894 A, 205, 206, 207, 209, 210 (Anisopus).
Rice and Gregory 1906 A, 177, fig. 6.
Triassic (Newark); Massachusetts, Connecticut, New Jersey, Pennsylvania.

Batrachopus sp. indet.
Hitchcock and Grier 1927 A, 190.
Triassic (Newark); Massachusetts.
Thorpe, M. R. 1928 A, 39.
Triassic (Newark); Connecticut.

BIPEZIA Matthew. Type *B. bilobata* Matthew.

Matthew, G. F. 1910 A, 121.

Bipezia bilobata Matthew.
Matthew, G. F. 1910 A, 121, pl. iv, figs. 1, 2.
Devonian (Little River); New Brunswick.

CHEIROTHEROIDES E. Hitchcock. Type *C. pilulatus* E. Hitchcock.

Hay, O. P. 1902 A, 541.
Abel, O. 1926 B, 37.
Lull, R. S. 1904 A, 485.
1915 A, 179.
1917 D, 114.
Nopcsa, F. 1923 H, 142, 143 (Cheritheroides).

Cheirotheroides pilulatus E. Hitchcock.
Hay, O. P. 1902 A, 541.
Hitchcock, C. H. 1898 A, 402.

Lull, R. S. 1904 A, 485.
1915 A, 179, fig. 37.
1917 D, 114.

Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

CHELICHNUS Jardine. Type *Testudo duncani* Owen.

Hay, O. P. 1902 A, 542.
Harkness, R. 1852 A, 255.
Jardine, W. 1853 A, 9, pls. i-iii, vi, viii, x, xi.

Chelichnus wymanianus Lea.
Hay, O. P. 1902 A, 542.
Lyman, B. S. 1894 A, 212.
Triassic (Newark); Pennsylvania.

CHELONOIDES E. Hitchcock. Type *C. incedens* E. Hitchcock.

Hay, O. P. 1902 A, 542.
Lull, R. S. 1904 A, 529.
1915 A, 248.
1917 D, 123.

Chelonoides incedens E. Hitchcock.
Hay, O. P. 1902 A, 542.

Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 529.
1915 A, 248, fig. 106.
1917 D, 123.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

CHIROTHERIUM Kaup. Type *C. barthii* Kaup.

Hay, O. P. 1902 A, 542.
Abel, O. 1912 F, 275, 665.
1916 A, 469.
1926 B, 37, 441.
1926 G, (149).
Arldt, T. 1907 D, 337.
De la Beche, H. T. 1848 A, cxii (Cheirotherium).
Frech, F. 1919 A, 109.
Harkness, R. 1852 A, 254 (Cheirotherium).
Hitchcock and Grier 1927 A, 192 (Cheirotherium).
Kirchner, H. 1926 A, 184.
1927 A, 112.
Kukuk, P. 1926 A, 612.
Lull, R. S. 1904 A, 514, pl. lxxii.
Matthew, G. F. 1903 B, 107.
Nopcsa, F. 1923 H, 142, 143, 144.
Watson, D. M. S. 1914 C, 395 (Cheirotherium).

Chirotherium? heterodactylum (King).
Hay, O. P. 1902 A, 542.

Hickling, G. 1909 A, 30, pl. iv, fig. 28 (Thenaropus).
Matthew, G. F. 1903 B, 104 (Theranopus).
1903 D, 115 (Thenaropus).
Coal Measures; Pennsylvania.

Chirotherium parvum (C. H. Hitchcock).
Lull, R. S. 1915 A, 226, fig. 77 (This genus?).
1917 D, 119 (Cheirotherium?).
Triassic (Newark); New Jersey.

Chirotherium? reiteri Moore.
Hay, O. P. 1902 A, 542.
Pennsylvanian; Pennsylvania.

Chirotherium sp. indet.
Gilmore, C. W. 1927 D, 65, pl. xviii (This genus?). Permian (Hermit); Arizona.
Mudge, B. F. 1874 A, 73 (Cheirotherium. This genus?). Coal Measures; Kansas.

COLLETTOSAURUS Cox. Type *C. indianaënsis* Cox.

Hay, O. P. 1902 A, 542 (Collettosaurus); 547 (Notalacerta, Notamphibia).
Butts, E. 1891 B, 18 (Notalacerta); 44 (Notamphibia).
Gilmore, C. W. 1927 D, 58.

Collettosaurus indianaënsis Cox.
Hay, O. P. 1902 A, 542.
Gilmore, C. W. 1927 D, 58.
Matthew, G. F. 1903 D, 112, 115.
Pennsylvanian; Indiana.

Collettosaurus magnus (Butts).
Butts, E. 1891 B, 44 (Notamphibia).
Hay, O. P. 1902 A, 547 (Notamphibia).
Gilmore, C. W. 1927 D, 59, text-fig. 29 (C magna).
Pennsylvanian; Missouri.

Collettosaurus missouriensis (Butts).
Butts, E. 1891 A, 18, fig. 2 (Notalacerta).
Hay, O. P. 1902 A, 547 (Notalacerta).
Gilmore, C. W. 1927 D, 11 (Notalacerta); 59, text-fig. 30 (Collettosaurus).
Matthew, G. F. 1903 D, 111, 114, pl. iii, figs. 1, 1a (Notolacerta).
Nopcsa, F. 1923 H, 136 (Neolacerta).
Pennsylvanian; Missouri.

Collettosaurus pentadactylus Gilmore.
Gilmore, C. W. 1927 D, 60, pl. xix, fig. 1; text-fig. 32.
1928 A, 7, 8 (This species?).
1928 C, 8, fig. 8.
Permian (Hermit); Arizona.

COMPTICHNUS E. Hitchcock. Type *C. obesus* E. Hitchcock.

Hay, O. P. 1902 A, 542.
Abel, O. 1926 G, (149).
Lull, R. S. 1904 A, 538.
1915 A, 260.
1917 D, 126.

Comptichnus obesus E. Hitchcock.
Hay, O. P. 1902 A, 542.
Abel, O. 1926 G, (149).
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 538.
1915 A, 260, fig. 121.
1917 D, 126.
Lyman, B. S. 1894 A, 205.
Triassic (Newark); Massachusetts.

CORVIPES E. Hitchcock. Type *C. lacertoideus* E. Hitchcock.

Hay, O. P. 1902 A, 542.
Abel, O. 1912 F, 272.
1926 B, 36.
Lull, R. S. 1904 A, 509.
1915 A, 246.
1917 D, 123.
Nopcsa, F. 1923 C, 464, fig. 1.
1923 H, 145, 146.

Corvipes lacertoideus E. Hitchcock.
Hay, O. P. 1902 A, 542.
Hitchcock, C. H. 1898 A, 401.
Lull, R. S. 1904 A, 510.
1915 A, 246, fig. 104.
1917 D, 123.
Lyman, B. S. 1894 A, 205, 206, 209.
Triassic (Newark); Massachusetts, Connecticut.

CRUCIPES Butts. Type *C. parva* Butts.

Hay, O. P. 1902 A, 542.

Crucipes parva Butts.
Hay, O. P. 1902 A, 542 (C. parvus).
Gilmore, C. W. 1927 D, 11 (C. parvus).
Matthew, G. F. 1903 D, 113, 115.
Pennsylvanian (Kansas City); Missouri.

CUNICHNOIDES E. Hitchcock. Type *C. marsupialoides* E. Hitchcock.

Hay, O. P. 1902 A, 543.
Lull, R. S. 1904 A, 540.

Cunichnoides marsupialoides E. Hitchcock.
Hay, O. P. 1902 A, 543.
Lull, R. S. 1904 A, 540.
Lyman, B. S. 1894 A, 205.
Triassic (Newark); Connecticut.

CURSIPES Matthew. Type *C. dawsoni* Matthew.

Matthew, G. F. 1903 C, 102.
Gilmore, C. W. 1927 D, 63.
Matthew, G. F. 1904 A, 92.

Cursipes dawsoni Matthew.
Matthew, G. F. 1903 C, 103, pl. i, fig. 4.
Gilmore, C. W. 1927 D, 64.
Lambe, L. M. 1904 C, 36, 47.
Matthew, G. F. 1904 A, 93, pl. i, fig. 4.
Nopcsa, F. 1923 H, 135.
Coal Measures; Nova Scotia.

Cursipes levis Matthew.
Matthew, G. F. 1904 A, 93, pl. ii, fig. 3.
Gilmore, C. W. 1927 D, 64.
Coal Measures; Nova Scotia.

Cursipes sp. indet.
Gilmore, C. W. 1927 D, 63.
Permian (Hermit); Arizona.

DOLICHOPODUS Gilmore. Type *D. tetradactylus* Gilmore.

Gilmore, C. W. 1926 A, 6.
1927 D, 12.

Dolichopodus tetradactylus Gilmore.
Gilmore, C. W. 1926 A, 6, 35, pl. iv, fig. 1; text-fig. 2.
1927 D, 11, 13.
Permian (Coconino); Arizona.

DROMILLOPUS Matthew. Type *D. quadrifidus* Matthew.

Matthew, G. F. 1904 A, 91.
Gilmore, C. W. 1927 D, 42.

Dromillopus obtusus (Matthew).
Matthew, G. F. 1904 A, 98, pl. v, fig. 1 (Nanopus).
Gilmore, C. W. 1926 A, 12 (Nanopus).
1927 D, 14, fig. 4 ("3," *errore*) [Dromillopus (Nanopus) obtusis].
Pennsylvanian; Nova Scotia.

Dromillopus parvus Gilmore.

Gilmore, C. W. 1927 D, 42, pl. xiv; text-fig. 19.
Permian (Hermit); Arizona.

Dromillopus quadratus (Matthew).

Matthew, G. F. 1904 A, 98, pl. v, fig. 2 (Nanopus).
Gilmore, C. W. 1926 A, 12 (Nanopus).
1927 D, 11, 14, fig. 3 ("4," *errore*).
Pennsylvanian (Joggins); Nova Scotia.

Dromillopus quadrifidus Matthew.

Matthew, G. F. 1904 A, 91, pl. i, fig. 5.
Gilmore, C. W. 1927 D, 44, text-fig. 20.
Nopcsa, F. 1923 H, 135 (Dromopus).
Pennsylvanian; Nova Scotia.

DROMOPUS Marsh. Type *D. agilis* Marsh.

Hay, O. P. 1902 A, 543.
Branson, E. B. 1910 A, 358.
Fürbringer, M. 1900 A, 673.
Matthew, G. F. 1904 A, 91.

Dromopus aduncus Branson.

Branson, E. B. 1910 A, 358, fig. 1.
Moodie, R. L. 1911 C, 379.
1916 A, 37, pl. xviii, fig. 3.
Mississippian (Hinton); Virginia.

Dromopus agilis Marsh.

Hay, O. P. 1902 A, 543.
Abel, O. 1912 F, 67, fig. 24.
Gilmore, C. W. 1926 A, 8, text-fig. 3.
Hickling, G. 1909 A, 30, pl. iv, fig. 31.
Jaekel, O. 1909 B, 597, fig. 8.
Martin, H. T. 1922 B, 105.
Matthew, G. F. 1903 D, 112, pl. ii, figs. 3, 4.
1904 A, 93.
Moodie, R. L. 1916 A, 199, fig. 43.
Nopcsa, F. 1923 H, 136.
Williston, S. W. 1911 B, 40.
Pennsylvanian; Kansas.

Dromopus velox Matthew.

Matthew, G. F. 1904 A, 86, pl. ii, fig. 2.
Gilmore, C. W. 1927 D, 11, 60, text-fig. 31.
Pennsylvanian (Joggins); Nova Scotia.

Dromopus? woodworthi Lull.

Lull, R. S. 1920 B, 234, fig. 1.
Gilmore, C. W. 1927 D, 11.
Martin, H. T. 1922 B, 105.
Pennsylvanian (Alleghanian); Massachusetts.

DUOVESTIGIA Butts. Type *D. scala* Butts.

Butts, E. 1891 A, 19.

Duovestigia scala Butts.

Butts, E. 1891 A, 19, fig. 4.
Pennsylvanian; Missouri.

EUBRONTES E. Hitchcock. Type *E. giganteus* E. Hitchcock.

Hay, O. P. 1902 A, 543.
Abel, O. 1912 F, 70, 272.
1926 B, 36, 39, 444.
Gadow, H. 1901 B, 414 (Brontozoum).
Hitchcock, C. H. 1898 A, 401 (Brontozoum).
Huxley, T. H. 1876 F, 180 (Brontozoum).
Koken, E. 1893 B, 261 (Brontozoum).
Lull, R. S. 1904 A, 510, 544.
1905 C, 299.
1910 A, 17.
1915 A, 195.
1917 D, 115.
Nopcsa, F. 1923 H, 145 (Eubrontes, Brontozoum).
Reichenbach, L. 1853 A, xxx (Bellona, type *Ornithichnites gigantea* E. Hitchcock).

Eubrontes approximatus (E. Hitchcock).

Hay, O. P. 1902 A, 543.
Hitchcock and Grier 1927 A, 191, 194.
Lull, R. S. 1904 A, 511, fig. 32.
1915 A, 196, fig. 49.
1917 D, 116.
Lyman, B. S. 1894 A, 205, 206, 211, 214 (Brontozoum).
Triassic (Newark); Massachusetts, Connecticut, New Jersey.

Eubrontes divaricatus (E. Hitchcock).

Hay, O. P. 1902 A, 543.
Hitchcock and Grier 1927 A, 187, 193.
Lull, R. S. 1904 A, 512, fig. 33.
1915 A, 198, fig. 50.
1917 D, 116.
Lyman, B. S. 1894 A, 205, 209 (Brontozoum).
Triassic (Newark); Massachusetts, Connecticut, New Jersey.

Eubrontes expansus E. Hitchcock.

Hay, O. P. 1902 A, 543.
Hitchcock and Grier 1927 A, 186 (Brontozoum); 187, 190, 191, 196 (Anchisauripus).
Lull, R. S. 1915 A, 213.
Triassic (Newark); Massachusetts.

Eubrontes giganteus E. Hitchcock.

Hay, O. P. 1902 A, 543.
Abel, O. 1926 B, 28, fig. 16.
Cushman, J. A. 1907 A, 273 (Brontozoum).
Gadow, H. 1901 B, 420 (Brontozoum).
Heilmann, G. 1926 A, 180, fig. 130.
Hitchcock and Grier 1927 A, 187, 188, 192.
Lull, R. S. 1904 A, 510, 544, fig. 31.
1912 D, 420.
1915 A, 195, fig. 48.
1917 D, 115.
1924 A, 268.
Lyell, C. 1843 B, 1, 254 (Ornithichnites).

Lyman, B. S. 1894 A, 204-213 (Brontozoum).
Reichenbach, L. 1853 A, 35, xxx (Bellona).
Serres, M. 1852 A, 118 (Ornithichnites).
Triassic (Newark); Massachusetts, Connecticut, New Jersey.

Eubrontes platypus Lull.
Lull, R. S. 1904 A, 512, fig. 34.
Abel, O. 1926 B, 25, fig. 15.
Gilmore, C. W. 1924 K, 16, fig. 2 ("footprints").
Heilmann, G. 1926 A, 180, fig. 130.
Lull, R. S. 1915 A, 199, fig. 51.
1917 D, 116.
Triassic (Newark); Massachusetts.

Eubrontes? titanopelopatidus Shuler.
Shuler, E. W. 1917 A, 294.
Lower Cretaceous (Glen Rose); Texas.

Eubrontes sp. indet.
Abel, O. 1926 B, 30, figs. 17, 18.
Triassic (Newark); Massachusetts.
Thorpe, M. R. 1928 A, 39.
Triassic (Newark); Connecticut.

EUPALAMOPUS Hay. Type *Palamopus dananus* E. Hitchcock=*P. clarki* E. Hitchcock.

Hay, O. P. 1902 A, 544.
Abel, O. 1926 B, 36.
Lull, R. S. 1904 A, 531.
1915 A, 250.
1917 D, 124.
Nopcsa, F. 1923 C, 464, fig. 3.
1923 H, 145, 146.

Eupalamopus dananus (E. Hitchcock).
Hay, O. P. 1902 A, 544.
Hitchcock, C. H. 1898 A, 402 (Palamopus clarkii).
Lull, R. S. 1904 A, 531.
1915 A, 250, fig. 108.
1917 D, 124.
Lyman, B. S. 1894 A, 210 (Palamopus clarki).
Triassic (Newark); Massachusetts.

EXOCAMPE E. Hitchcock. Type *E. arcta* E. Hitchcock.

Hay, O. P. 1902 A, 544.
Abel, O. 1926 B, 36.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 534.
1915 A, 254.
1917 D, 124.
Nopcsa, F. 1923 C, 464.
1923 H, 145.

Exocampe arcta E. Hitchcock.
Hay, O. P. 1902 A, 544.
Lull, R. S. 1904 A, 534.
1915 A, 254, fig. 112.
1917 D, 124.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

Exocampe minima E. Hitchcock.
Hay, O. P. 1902 A, 544.
Lull, R. S. 1904 A, 534.
1915 A, 255.
1917 D, 124.
Triassic (Newark); Massachusetts.

Exocampe ornata E. Hitchcock.
Hay, O. P. 1902 A, 544.
Hitchcock and Grier 1927 A, 195.
Lull, R. S. 1904 A, 534.
1915 A, 255, fig. 113.
1917 D, 124.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts, Connecticut.

FULICOPUS E. Hitchcock. Type *F. lyellianus* E. Hitchcock.

Hay, O. P. 1902 A, 544.
Abel, O. 1912 F, 272.
Hitchcock, C. H. 1898 A, 401 (Amblonyx).
Lull, R. S. 1904 A, 505, 545.

Fulicopus giganteus (E. Hitchcock).
Hay, O. P. 1902 A, 544.
Cushman, J. A. 1907 A, 273 (Amblonyx).

Lyman, B. S. 1894 A, 205 (Amblyonyx).
Triassic (Newark); Massachusetts, Connecticut, New Jersey.

Fulicopus lyellianus (E. Hitchcock).
Hay, O. P. 1902 A, 544.
Abel, O. 1911 A, 174.
1912 F, 69, 277, fig. 26.
Lull, R. S. 1904 A, 472, 474, 506, figs. 26-28.
Lyman, B. S. 1894 A, 205 (Amblyonyx).
Triassic (Newark); Massachusetts.

GIGANDIPUS E. Hitchcock. Type *G. caudatus* E. Hitchcock.

Hay, O. P. 1902 A, 545.
Abel, O. 1912 F, 271, 276.
1926 B, 36.
Hitchcock, C. H. 1898 A, 401 (Gigantitherium).
Lull, R. S. 1904 A, 492.
1905 C, 299.
1910 A, 14.

Lull, R. S. 1915 A, 191.
1917 D, 115.
Nopcsa, F. 1923 C, 464.
1923 H, 146, 147, pl. vi. fig. 11*a*.

Gigandipus caudatus E. Hitchcock.
Hay, O. P. 1902 A, 545.

Abel, O. 1911 A, 157.
1912 F, 404, fig. 288.
Heilmann, G. 1926 A, 180, fig. 130.
Lull, R. S. 1904 A, 492, fig. 11.
1915 A, 191, fig. 46.
1917 D, 115.
1924 A, 268.
Lyman, B. S. 1894 A, 206 (Gigantitherium).
Triassic (Newark); Massachusetts.

Gigandipus sp. indet.
Thorpe, M. R. 1928 A, 39.
Triassic (Newark); Connecticut.

GRALLATOR E. Hitchcock. No type designated.

Hay, O. P. 1902 A, 545.
Abel, O. 1911 A, 158.
1912 F, 271.
1926 B, 36, 39.
Heilmann, G. 1926 A, 205.
Hitchcock, C. H. 1898 A, 401.
Lull, R. S. 1904 A, 494, 544.
1904 D, 144.
1905 C, 299.
1915 A, 200.
1917 D, 116.
Nopcsa, F. 1923 C, 464, fig. 2.
1923 H, 146, 147.

Grallator cuneatus E. Hitchcock.
Hay, O. P. 1902 A, 545.
Heilmann, G. 1913 B, 28, fig. 73.
Hitchcock and Grier 1927 A, 186, 187, 189.
Lull, R. S. 1904 A, 495, fig. 15.
1915 A, 202, fig. 56.
1917 D, 116.
Lyman, B. S. 1894 A, 205, 209, 210, 214.
Triassic (Newark); Connecticut, Massachusetts, New Jersey.

Grallator cursorius E. Hitchcock.
Hay, O. P. 1902 A, 545.
Heilmann, G. 1926 A, 180, fig. 130.
Lull, R. S. 1904 A, 494, fig. 12.
1912 D, 420.
1915 A, 168, 200, fig. 53.
1917 D, 116.
Lyman, B. S. 1894 A, 205, 210, 213.
Triassic (Newark); Connecticut, Massachusetts, New Jersey.

Grallator formosus E. Hitchcock.
Hay, O. P. 1902 A, 545.
Lull, R. S. 1904 A, 496, fig. 16.
1915 A, 205, fig. 57 (This genus?).
1917 D, 117.
Lyman, B. S. 1894 A, 206, 213, 214.
Triassic (Newark); Connecticut, Massachusetts, New Jersey.

Grallator gracilis C. H. Hitchcock.
Hay, O. P. 1902 A, 545.
Heilmann, G. 1926 A, 180, fig. 130.
Hitchcock and Grier 1927 A, 196.
Lull, R. S. 1904 A, 496, fig. 17.
1915 A, 202, fig. 55.
1917 D, 116.
Lyman, B. S. 1894 A, 205, 214.
Triassic (Newark); Connecticut, Massachusetts, New Jersey.

Grallator tenuis E. Hitchcock.
Hay, O. P. 1902 A, 545.
Heilmann, G. 1926 A, 180, fig. 130.
Lull, R. S. 1904 A, 495, fig. 14.
1915 A, 201, fig. 54.
1917 D, 116.
Lyman, B. S. 1894 A, 205, 209, 210.
Triassic (Newark); Massachusetts, Connecticut, New Jersey.

Grallator sp. indet.
Hitchcock and Grier 1927 A, 186, 188, 190, 195, 197. Triassic (Newark); Massachusetts.
Thorpe, M. R. 1928 A, 39.
Triassic (Newark); Connecticut.

HARPEDACTYLUS E. Hitchcock. Type *H. tenuissimus* E. Hitchcock.

Hay, O. P. 1902 A, 545.
Abel, O. 1926 B, 36.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 527.
1915 A, 245.
1917 D, 122.
Nopcsa, F. 1923 C, 464, fig. 1 (Herpedactylus).
1923 H, 145, 146.

Harpedactylus crassus E. Hitchcock.
Hay, O. P. 1902 A, 545.
Lull, R. S. 1904 A, 528.
1915 A, 246.
1917 D, 122.
Lyman, B. S. 1894 A, 205.
Triassic (Newark); Massachusetts.

Harpedactylus gracilior E. Hitchcock.
Hay, O. P. 1902 A, 545.
Lull, R. S. 1904 A, 528.
1915 A, 246, fig. 103.
1917 D, 122.
Lyman, B. S. 1894 A, 205.
Triassic (Newark); Massachusetts.

Harpedactylus tenuissimus E. Hitchcock.
Hay, O. P. 1902 A, 545.
Lull, R. S. 1904 A, 527.
1915 A, 245, fig. 102.
1917 D, 122.
Lyman, B. S. 1894 A, 205 (H. gracilis).
Triassic (Newark); Massachusetts, Connecticut.

HELCURA E. Hitchcock. Type *H. littoralis* E. Hitchcock.

Hay, O. P. 1902 A, 546.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 530.
1915 A, 249.
1917 D, 123.

Helcura anguinea E. Hitchcock.
Hay, O. P. 1902 A, 546.
Lull, R. S. 1904 A, 530.
1915 A, 249.
1917 D, 123.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

Helcura littoralis E. Hitchcock.
Hay, O. P. 1902 A, 546.
Hitchcock, C. H. 1898 A, 402 (H. caudata).
Lull, R. S. 1904 A, 531.
1915 A, 250.
1917 D, 123.
Triassic (Newark); Massachusetts.

Helcura surgens E. Hitchcock.
Hay, O. P. 1902 A, 546.
Lull, R. S. 1904 A, 531.
1915 A, 250.
1917 D, 124.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

HOPLICHNUS E. Hitchcock. Type *H. quadrupedans* E. Hitchcock.

Hay, O. P. 1902 A, 546.
Lull, R. S. 1904 A, 541.
A genus of doubtful validity.

Hoplichnus equus E. Hitchcock.
Hay, O. P. 1902 A, 546.
Lull, R. S. 1904 A, 541.
Lyman, B. S. 1894 A, 205, 211.
Triassic (Newark); Massachusetts.

Hoplichnus quadrupedans E. Hitchcock.
Hay, O. P. 1902 A, 546.
Lull, R. S. 1904 A, 541.
Lyman, B. S. 1894 A, 206 (H. poledrus).
Triassic (Newark); Massachusetts.

HYLOIDICHNUS Gilmore. Type *H. bifurcatus* Gilmore.

Gilmore, C. W. 1927 D, 51.
1928 A, 5.

Hyloidichnus bifurcatus Gilmore.
Gilmore, C. W. 1927 D, 52, pl. xvi; text-fig. 25.
Permian (Hermit); Arizona.

Hyloidichnus whitei Gilmore.
Gilmore, C. W. 1928 A, 5, pl. iii, fig. 1; text-fig. 3.
Permian (Hermit); Arizona.

HYLOPUS Dawson. Type *H. logani* Dawson.

Hay, O. P. 1902 A, 546.
Ami, H. M. 1899 A, 181.
Gilmore, C. W. 1927 D, 45, 46.
Lull, R. S. 1918 A, 343.
Matthew, G. F. 1903 A, 102.
1903 C, 101.
1903 D, 114.
1904 A, 82.
1904 B, 247.
Whiteaves, J. F. 1901 A, 180, 190.

Hylopus hardingi Dawson.
Hay, O. P. 1902 A, 546.
Barrell, J. 1915 B, 410.
Gilmore, C. W. 1927 D, 11, 45, text-figs. 22, 23.
Lambe, L. M. 1904 C, 18, 35, 46.
Lull, R. S. 1917 B, 491.
Matthew, G. F. 1903 D, 111, pl. i, figs. 3, 4.
1904 A, 82, pl. i, fig. 1; pl. vi, fig. 2.
1904 B, 247, fig. 5.
Nopcsa, F. 1923 H, 135.
Mississippian; Nova Scotia.

Hylopus hermitanus Gilmore.
Gilmore, C. W. 1927 D, 46, fig. 21 (P. 7, H. hermitus; p. 78, H. hermitensis, *errore*).
1928 A, 7.
1928 C, 8, fig. 8.
Permian (Hermit); Arizona.

Hylopus logani Dawson.
Hay, O. P. 1902 A, 546.
Gilmore, C. W. 1927 D, 11, 46.
Lambe, L. M. 1904 C, 18, 35, 46.
Matthew, G. F. 1903 D, 112, pl. i, figs. 3, 4.
1904 A, 82, 85, pl. vi, fig. 1.
1904 B, 247.
Moodie, R. L. 1908 E, 562.
Mississippian; Nova Scotia.

Hylopus minor Dawson.
Hay, O. P. 1902 A, 546.
Gilmore, C. W. 1927 D, 46.
Lambe, L. M. 1904 C, 36, 46.

Matthew, G. F. 1903 D, 112.
1904 A, 81 (This genus?).
1904 B, 252.
Mississippian; Nova Scotia.

Hylopus ? variabilis Matthew.

Matthew, G. F. 1910 A, 120, pl. ii, figs. 1-3.
Devonian (Little River); New Brunswick.

Hylopus sp. indet.

Hay, O. P. 1902 A, 546.

HYPHEPUS E. Hitchcock. Type *H. fieldi* E. Hitchcock.

Hay, O. P. 1902 A, 546.
Abel, O. 1912 F, 271.
1926 B, 36.
Lull, R. S. 1904 A, 493.
1915 A, 193.
1917 D, 115.
Nopcsa, F. 1923 C, 464.
1923 H, 146.

Hyphepus fieldi E. Hitchcock.

Hay, O. P. 1902 A, 546.
Hitchcock, C. H. 1898 A, 401.
Lull, R. S. 1904 A, 493.
1915 A, 193, fig. 47.
1917 D, 115.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

ICHTHYOIDICHNITES Ami. Type *I. acadiensis* Ami.

Ami, H. M. 1902 A, 330.
Sauvage, H. E. 1903 D, 228 (Ichthyoidinites).

Ichthyoidichnites acadiensis Ami.

Ami, H. M. 1902 A, 330, pl. ii.
1901 B, 309 (No description).
Twenhofel, W. H. 1913 A, 303.
Lower Devonian (Knoydart); Nova Scotia.

ISOCAMPE E. Hitchcock. Type *I. strata* E. Hitchcock.

Hay, O. P. 1902 A, 546.
Lull, R. S. 1904 A, 537.
1915 A, 259.
1917 D, 125.

Isocampe strata E. Hitchcock.

Hay, O. P. 1902 A, 546.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 537.
1915 A, 259, fig. 119.
1917 D, 125.
Lyman, B. S. 1894 A, 206 (I. strata); 205 (I. moodii. This species?).
Triassic (Newark); Massachusetts, Connecticut.

LAGUNCULAPES E. Hitchcock. Type *L. latus* E. Hitchcock.

Hay, O. P. 1902 A, 546 (Langunculapes, *errore*).
Lull, R. S. 1904 A, 525.
1915 A, 242.
1917 D, 122.

Lagunculapes latus E. Hitchcock.

Hay, O. P. 1902 A, 546 (Langunculapes, *errore*).
Abel, O. 1912 F, 272.
Hitchcock, C. H. 1898 A, 402 (Lagunculipes).
Lull, R. S. 1904 A, 525.
1915 A, 242, fig. 99.
1917 D, 122.
Triassic (Newark); Massachusetts.

LAOPORUS Lull. Type *L. schucherti* Lull.

Lull, R. S. 1918 A, 338.
Gilmore, C. W. 1926 A, 13.
1927 D, 17.
1928 A, 3.
Nopcsa, F. 1923 H, 141.
Thorpe, M. R. 1926 A, 7.

Laoporus coloradensis (Henderson).

Henderson, J. 1924 A, 228, figs. 1-3 (Limnopus?).
Gilmore, C. W. 1926 A, 16, 19, 36, pl. vii, figs. 1, 2; text-fig. 10 (L. coloradoensis).
Permian (Lyons); Colorado.

Laoporus noblei Lull.

Lull, R. S. 1918 A, 339, pl. ii; text-fig. 2.

Abel, O. 1926 B, 208, 211.
Gilmore, C. W. 1926 A, 13, pl. v, fig. 2; pl. vi; text-fig. 9 (L. nobeli).
1927 C, 47, fig. 53.
1927 D, 11, 18, pl. iv, fig. 2.
Schuchert, C. 1918 A, 350.
Permian (Coconino); Arizona.

Laoporus schucherti Lull.

Lull, R. S. 1918 A, 338, pl. i, fig. 1; text-fig. 1.
Abel, O. 1926 B, 206, 211, figs. 123, 124.
Gilmore, C. W. 1926 A, 17, 18.
1927 D, 11.
Schuchert, C. 1918 A, 350.
Permian (Coconino); Arizona.

LIMNOPUS Marsh. Type *L. vagus* Marsh.

Hay, O. P. 1902 A, 547.
Lull, R. S. 1918 A, 341.

Limnopus vagus Marsh.

Hay, O. P. 1902 A, 547.
Abel, O. 1912 F, 67, fig. 24.

Gilmore, C. W. 1926 A, 14, text-fig. 8.
Matthew, G. F. 1903 D, 112, pl. iii, fig. 2 (L. vagans).
Nopcsa, F. 1923 H, 135 (Limopus vagans).
Coal Measures; Kansas.

MEGAPEZIA Matthew. Type *M. pineoi* Matthew.

Matthew, G. F. 1903 C, 107.
Lull, R. S. 1918 A, 343.
Matthew, G. F. 1904 A, 102.

Megapezia pineoi Matthew.

Matthew, G. F. 1903 C, 108, pl. i, fig. 2.
Jaekel, O. 1909 B, 595, fig. 6.
Lambe, L. M. 1904 C, 35, 46.
Lull, R. S. 1918 A, 344.
Matthew, G. F. 1904 A, 103, pl. ii, fig. 4; pl. vi, fig. 6.
Coal Measures; Nova Scotia.

MICRICHNUS Abel. Type *M. scotti* Abel.

Abel, O. 1926 B, 32.

Micrichnus scotti Abel.

Abel, O. 1926 B, 32, 44, 52, 451, figs. 19-23.
1926 G, (146) (Micrichnium).
Triassic (Stockton); New Jersey.

NANOPUS Marsh. Type *N. caudatus* Marsh.

Hay, O. P. 1902 A, 547.
Gilmore, C. W. 1926 A, 9.
1927 D, 13.

Nanopus caudatus Marsh.

Hay, O. P. 1902 A, 547.
Gilmore, C. W. 1926 A, 11, text-fig. 6.
1927 D, 14.
Henderson, J. 1924 A, 229.
Matthew, G. F. 1903 D, 113, pl. iii, figs. 5, 5*a*.
Pennsylvanian; Kansas.

Nanopus maximus Gilmore.

Gilmore, C. W. 1927 D, 15, pl. iii; text-fig. 5.
Permian (Coconino); Arizona.

Nanopus merriami Gilmore.

Gilmore, C. W. 1926 A, 9, pl. iv, fig. 2; text-fig. 5.
1927 D, 11, 15, pl. iv, fig. 1.
Permian (Coconino); Arizona.

Nanopus ? vetustus Matthew.

Matthew, G. F. 1910 A, 121, pl. ii, figs. 4, 5.
Devonian (Little River); New Brunswick.

ONYCHOPUS Martin. Type *O. gigas* Martin.

Martin, H. T. 1922 B, 104.
Kukuk, P. 1926 A, 610.
Martin, H. T. 1922 C, 99 ("footprints").

Onychopus gigas Martin.

Martin, H. T. 1922 B, 104, pls. i-iii.
1922 C, 99 ("footprints").
Coal Measures (Weston shales); Kansas.

ORNITHOIDES Matthew. Type *Hylopus? trifidus* Dawson.

Matthew, G. F. 1903 C, 104.
Hay, O. P. 1902 A, 546 (Hylopus, in part).
Matthew, G. F. 1904 A, 96.

Ornithoides ? adamsi Matthew.

Matthew, G. F. 1904 A, 97, pl. iv, fig. 2 (This genus?).
Gilmore, C. W. 1927 D, 67, text-fig. 35 (This genus?).
Pennsylvanian; Nova Scotia.

Ornithoides trifidus (Dawson).

Hay, O. P. 1902 A, 546 (Hylopus?).
Gilmore, C. W. 1927 D, 46 (Hylopus. Referred to Ornithoides).
Lambe, L. M. 1904 C, 36, 46 [O. (Hylopus?)].
Matthew, G. F. 1903 C, 105, pl. i, fig. 6 (Hylopus?).
1903 D, 113, pl. ii, fig. 2 (Hylopus?).
1904 A, 96, pl. iv, fig. 1 (From Hylopus).
Coal Measures; Nova Scotia.

ORNITHOMIMIPUS Sternberg. Type *O. angustus* Sternberg.

Sternberg, C. M. 1926 C, 87.
Huene, F. 1927 G, 230 (Ornithomimus).
Sternberg, C. M. 1926 A, 104 (No description; no species).

Ornithomimipus angustus Sternberg.

Sternberg, C. M. 1926 C, 87, pl. xviii; text-fig. 4.
Huene, F. 1926 A, 230 (Ornithomimus).
Upper Cretaceous (Edmonton); Alberta.

ORTHODACTYLUS E. Hitchcock. Type *O. floriferus* E. Hitchcock.

Hay, O. P. 1902 A, 547.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 535.
1915 A, 256.
1917 D, 125.

Orthodactylus floriferus E. Hitchcock.

Hay, O. P. 1902 A, 547.
Hitchcock and Grier 1927 A, 194.
Lull, R. S. 1904 A, 535.
1915 A, 256, fig. 114.

Lull, R. S. 1917 D, 125.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

Orthodactylus introvergens E. Hitchcock.

Hay, O. P. 1902 A, 547.
Lull, R. S. 1904 A, 535.
1915 A, 256, fig. 115.
1917 D, 125.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

Orthodactylus linearis E. Hitchcock.

Hay, O. P. 1902 A, 547.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 536.
1915 A, 257, fig. 116.
1917 D, 125.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

OTOUPHEPUS Cushman. Type *O. magnificus* Cushman.

Cushman, J. A. 1904 A, 155.
Abel, O. 1926 B, 36.
Lull, R. S. 1915 A, 187.
1917 D, 114.
Nopcsa, F. 1923 H, 145 (Otophepus).

Otouphepus magnificus Cushman.

Cushman, J. A. 1904 A, 155, pl. vi.
1907 A, 274.
Lull, R. S. 1915 A, 190, fig. 44.
1917 D, 115.
Triassic (Newark); Massachusetts.

Otouphepus minor Lull.

Lull, R. S. 1915 A, 190, fig. 45.
1917 D, 115.
Triassic (Newark); Massachusetts.

OTOZOUM E. Hitchcock. Type *E. moodii* E. Hitchcock.

Hay, O. P. 1902 A, 547.
Abel, O. 1912 F, 70, 272, 275.
1926 B, 37.
1926 G, (149).
Gilmore, C. W. 1926 A, 29 (Otozorum).
Heilmann, G. 1926 A, 206.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 513, 514, 545.
1905 C, 299.
1910 A, 17.
1915 A, 222.
1917 D, 119.
Nopcsa, F. 1923 H, 144, pl. vi, fig. 13.

Otozoum caudatum C. H. Hitchcock.

Hay, O. P. 1902 A, 547.
Lull, R. S. 1904 A, 514.
Triassic (Newark); Connecticut.

Otozoum minus Lull.

Lull, R. S. 1915 A, 225, fig. 76.
1917 D, 119.
Nopcsa, F. 1923 H, 144.
Triassic (Newark); Massachusetts.

Otozoum moodii E. Hitchcock.

Hay, O. P. 1902 A, 547.
Abel, O. 1926 B, 38.
Heilmann, G. 1926 A, 159, figs. 113, 116.
Hitchcock and Grier 1927 A, 194.
Lull, R. S. 1904 A, 513, pl. lxxii, figs. e-g.
1915 A, 223, pl. xii; text-figs. 74, 75.
1917 D, 119.
Lyman, B. S. 1894 A, 205, 206, 210.
Rice and Gregory 1906 A, 175, fig. 5.
Triassic (Newark); Massachusetts, Connecticut.

Otozoum parvum C. H. Hitchcock.

Hay, O. P. 1902 A, 547.
Lull, R. S. 1904 A, 515 (This genus?).
Lyman, B. S. 1894 A, 214.
Triassic (Newark); New Jersey, Pennsylvania.

PALÆOPUS Gilmore. Type *P. regularis* Gilmore.

Gilmore, C. W. 1926 A, 25.

Palæopus regularis Gilmore.

Gilmore, C. W. 1926 A, 25, pl. v, fig. 1; text-fig. 17.
Abel, O. 1926 B, 208.
Gilmore, C. W. 1927 D, 4 (Paleopus).
Permian (Coconino); Arizona.

PALÆOSAUROPUS Hay. Type *Sauropus primævus* Lea.

Hay, O. P. 1902 A, 548.
Ami, H. M. 1899 A, 181.
Matthew, G. F. 1903 A, 102.
1903 C, 106.
1903 D, 109.
1904 A, 99.
Whiteaves, J. F. 1901 A, 181 (Sauropus).

Palæosauropus antiquior (Dawson).

Hay, O. P. 1902 A, 548.
Barrell, J. 1915 B, 410 (Sauropus).
Lambe, L. M. 1904 C, 18, 35, 46.
Coal Measures; Nova Scotia.

Palæosauropus primævus (Lea).

Hay, O. P. 1902 A, 548.
Amer. Jour. Sci. 1852 B, 451 (Sauropus).
Barrell, J. 1907 A, 460 (Sauropus).
1915 B, 410 (Sauropus).
Branson, E. B. 1910 A, 358 (Paleosauropus primevus).

Hickling, G. 1909 A, 30, pl. iv, fig. 31 (Sauropus).
Lacoe, R. D. 1882 A, 7 (Sauropus).
Lull, R. S. 1917 B, 491.
Matthew, G. F. 1903 D, 109, 112 (Sauropus).
1904 A, 93.
Roemer, F. 1856 B, 23 (Sauropus).
Coal Measures; Pennsylvania.

PALAMOPUS E. Hitchcock. Type *P. anomalus* E. Hitchcock.

Hay, O. P. 1902 A, 548.
Abel, O. 1926 B, 36.
Hitchcock, C. H. 1898 A, 402 (Macropterna).
Lull, R. S. 1904 A, 532.
1915 A, 252.
1917 D, 124.
Nopcsa, F. 1923 C, 464.
1923 H, 145, 146.

Palamopus anomalus E. Hitchcock.

Hay, O. P. 1902 A, 548.
Lull, R. S. 1904 A, 532.
Triassic (Newark); Massachusetts.

Palamopus divaricans (E. Hitchcock).

Hay, O. P. 1902 A, 548.
Cushman, J. A. 1907 A, 273 (Macropterna).
Lull, R. S. 1904 A, 532.
Lyman, B. S. 1894 A, 206 (Macropterna).
Triassic (Newark); Massachusetts.

Palamopus gracilipes (E. Hitchcock).

Hay, O. P. 1902 A, 548.
Cushman, J. A. 1907 A, 274 (Macropterna).
Hitchcock and Grier 1927 A, 195.
Lull, R. S. 1904 A, 533.
1915 A, 253, fig. 100.
1917 D, 124.
Lyman, B. S. 1894 A, 206 (Macropterna).
Triassic (Newark); Massachusetts.

Palamopus palmatus (E. Hitchcock).

Hay, O. P. 1902 A, 548 (Palamopus anomalus, part).
Lull, R. S. 1915 A, 252, fig. 109.
1917 D, 124.
Triassic (Newark); Massachusetts.

Palamopus rogersianus (E. Hitchcock).

Hay, O. P. 1902 A, 548.
Lull, R. S. 1904 A, 533.
1915 A, 253, fig. 111 (P. rogersi).
1917 D, 124 (P. rogersi).
Lyman, B. S. 1894 A, 206 (Macropterna vulgaris).
Triassic (Newark); Massachusetts, Connecticut.

PARABAROPUS Gilmore. Type *Megapezia? coloradensis* Lull.

Gilmore, C. W. 1927 D, 53.

Parabaropus coloradensis (Lull).

Lull, R. S. 1918 A, 341, pl. iii, fig. 2; text-fig. 3 (Megapezia?).
Abel, O. 1926 B, 213 (This genus?).
Gilmore, C. W. 1927 D, 54, pl. xvii, fig. 1; text-figs. 27, 28 (Parabaropus); 11, text-fig. 26 (Megapezia?).
1928 A, 7, pl. i.
1928 C, 8, fig. 8.
Schuchert, C. 1918 A, 354.
Permian (Hermit); Arizona.

PLATYPTERNA E. Hitchcock. Type *P. deaniana* E. Hitchcock.

Hay, O. P. 1902 A, 549.
Abel, O. 1912 F, 272.
1926 B, 36.
Hitchcock, C. H. 1898 A, 401.
Lull, R. S. 1904 A, 515.
1915 A, 227.
1917 D, 119.
Nopcsa, F. 1923 C, 464, fig. 3.
1923 H, 145, pl. vi, fig. 7.

Platypterna concamerata (E. Hitchcock).

Hay, O. P. 1902 A, 549.
Lull, R. S. 1904 A, 516.
1915 A, 227, fig. 79.
1917 D, 120.
Lyman, B. S. 1894 A, 205 (P. varica).
Triassic (Newark); Massachusetts.

Platypterna deaniana E. Hitchcock.

Hay, O. P. 1902 A, 549.
Hitchcock and Grier 1927 A, 192 (P. deanii).
Lull, R. S. 1904 A, 516.
1915 A, 227, fig. 78 (P. deanii).
1917 D, 119 (P. deanii).
Lyman, B. S. 1894 A, 209.
Triassic (Newark); Massachusetts, Connecticut.

Platypterna delicatula (E. Hitchcock).

Hay, O. P. 1902 A, 549.
Lull, R. S. 1904 A, 517.
1915 A, 229, fig. 82.
1917 D, 120.
Lyman, B. S. 1894 A, 209.
Triassic (Newark); Connecticut.

Platypterna digitigrada E. Hitchcock.

Hay, O. P. 1902 A, 549.
Lull, R. S. 1904 A, 516.
1915 A, 228, fig. 80.
1917 D, 120.
Lyman, B. S. 1894 A, 206.
Nopcsa, F. 1923 H, 145.
Triassic (Newark); Massachusetts.

Platypterna gracillima E. Hitchcock.

Hay, O. P. 1902 A, 549.
Lull, R. S. 1904 A, 517.
Lyman, B. S. 1894 A, 205.
Triassic (Newark); Massachusetts.

Platypterna recta E. Hitchcock.

Hay, O. P. 1902 A, 549.
Lull, R. S. 1904 A, 518.
1915 A, 230, fig. 83.
1917 D, 120.
Lyman, B. S. 1894 A, 205.
Triassic (Newark); Massachusetts.

Platypterna tenuis E. Hitchcock.

Hay, O. P. 1902 A, 549.
Lull, R. S. 1904 A, 517.
1915 A, 229, fig. 81.
1917 D, 120.
Lyman, B. S. 1894 A, 209.
Triassic (Newark); Connecticut.

PLECTROPTERNA E. Hitchcock. Type *Plectropus minitans* E. Hitchcock.

Hay, O. P. 1902 A, 549.
Abel, O. 1912 F, 272 (Tarsoplectrus).
1926 B, 36.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 519 (Tarsoplectrus; Type *P. angustus*).
1915 A, 232.
1917 D, 120.
Nopcsa, F. 1923 C, 464, fig. 1.
1923 H, 145, 146 (Plectopterna).

Plectropterna angusta E. Hitchcock.

Hay, O. P. 1902 A, 549.
Lull, R. S. 1904 A, 520 (Tarsoplectrus).
1915 A, 233, fig. 87.
1917 D, 120.
Lyman, B. S. 1894 A, 205.
Triassic (Newark); Massachusetts.

Plectropterna elegans E. Hitchcock.

Hay, O. P. 1902 A, 549.
Lull, R. S. 1904 A, 520 (Tarsoplectrus).
1915 A, 234, fig. 88.
1917 D, 120.
Lyman, B. S. 1894 A, 209.
Triassic (Newark); Connecticut.

Plectropterna gracilis E. Hitchcock.

Hay, O. P. 1902 A, 549.
Lyman, B. S. 1894 A, 206, 209.
Triassic (Newark); Massachusetts, Connecticut.

Plectropterna lineans E. Hitchcock.

Hay, O. P. 1902 A, 549.
Lull, R. S. 1915 A, 234, fig. 89.
1917 D, 120.
Lyman, B. S. 1894 A, 205, 209.
Triassic (Newark); Massachusetts, Connecticut.

Plectropterna minitans (E. Hitchcock).

Hay, O. P. 1902 A, 549.
Abel, O. 1926 B, 23, fig. 13.
Lull, R. S. 1915 A, 232, fig. 86.
1917 D, 120.
Lyman, B. S. 1894 A, 205, 209, 211.
Triassic (Newark); Massachusetts, Connecticut.

PLESIORNIS E. Hitchcock. Type *Plesiornis pilulatus* E. Hitchcock.

Hay, O. P. 1902 A, 550.
Abel, O. 1912 F, 272.
Hitchcock, C. H. 1898 A, 401.
Lull, R. S. 1904 A, 521.
1915 A, 236.
1917 D, 121.

Plesiornis giganteus C. H. Hitchcock.

Hay, O. P. 1902 A, 550.
Lull, R. S. 1904 A, 522.
Lyman, B. S. 1894 A, 209.
Triassic (Newark); Connecticut.

Plesiornis mirabilis E. Hitchcock.

Hay, O. P. 1902 A, 550.
Lull, R. S. 1904 A, 522.
Lyman, B. S. 1894 A, 205, 206.
Triassic (Newark); Massachusetts.

Plesiornis pilulatus E. Hitchcock.

Hay, O. P. 1902 A, 550.
Lull, R. S. 1904 A, 521.
1915 A, 236, fig. 91.
1917 D, 121.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

Plesiornis sp. indet.

Hitchcock and Grier 1927 A, 197.
Triassic (Newark); Connecticut.

POLEMARCHUS E. Hitchcock. Type *Sauroidichnites polemarchius* E. Hitchcock = *P. gigas* E. Hitchcock.

Hay, O. P. 1902 A, 550.
Abel, O. 1912 F, 272.
1926 B, 36.
Lull, R. S. 1904 A, 520.
1915 A, 235.
1917 D, 121.
Nopcsa, F. 1923 C, 464, fig. 3.

Polemarchus gigas E. Hitchcock.

Hay, O. P. 1902 A, 550.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 520.
1915 A, 235, fig. 90 (Sauroidichnites).
1917 D, 121 (P. polemarchius).
Lyman, B. S. 1894 A, 211, 214.
Triassic (Newark); Massachusetts.

Polemarchus ? sp. indet.

Mudge, B. F. 1874 A, 72.
Coal Measures; Kansas.

PSEUDOBRADYPUS Matthew. Type *Sauropus unguifer* Dawson.

Matthew, G. F. 1903 C, 109.
1903 D, 112.
1904 A, 77.

Pseudobradypus unguifer (Dawson).

Hay, O. P. 1902 A, 548 (Palæosauropus).

Matthew, G. F. 1903 C, 109 (Sauropus. Made type of *Pseudobradypus*).
1903 D, 110 (Sauropus).
1904 A, 80 (Sauropus).
Woodward, A. S. 1904 A, 145 (Sauropus).
Pennsylvanian; Nova Scotia.

SAUROPUS E. Hitchcock. Type *S. barratii* E. Hitchcock.

Hay, O. P. 1902 A, 550.
Abel, O. 1926 B, 36.
Heilmann, G. 1926 A, 207.
Hitchcock, C. H. 1898 A, 401 (Chimærichnus).
Lull, R. S. 1915 A, 216.
1917 D, 118.
Nopcsa, F. 1923 H, 145, 146.

Sauropus barratii E. Hitchcock.

Hay, O. P. 1902 A, 550.

Heilmann, G. 1926 A, 159, figs. 113, 116.
Lull, R. S. 1915 A, 217, figs. 69-71.
1917 D, 118 (S. barratti).
Lyman, B. S. 1894 A, 206, 209, 210 (Chimæra).
Triassic (Newark); Massachusetts.

Sauropus ingens (C. H. Hitchcock).

Hay, O. P. 1902 A, 550.
Lyman, B. S. 1894 A, 214 (Chimærichnus).
Triassic (Newark); New Jersey.

SELENICHNUS E. Hitchcock. Type *S. falcatus* E. Hitchcock.

Hay, O. P. 1902 A, 551.
Abel, O. 1912 F, 271.
1926 B, 22, fig. 12.
Lull, R. S. 1904 A, 498.
1915 A, 206.
1917 D, 117.

Selenichnus breviusculus E. Hitchcock.

Hay, O. P. 1902 A, 551.
Lull, R. S. 1904 A, 499.
1915 A, 207, fig. 60.

Lull, R. S. 1917 D, 117.
Triassic (Newark); Massachusetts.

Selenichnus falcatus E. Hitchcock.

Hay, O. P. 1902 A, 551.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 498.
1915 A, 206, fig. 59.
1917 D, 117.
Triassic (Newark); Massachusetts.

SHEPARDIA E. Hitchcock. Type *S. palmipes* E. Hitchcock.

Hay, O. P. 1902 A, 551.
Abel, O. 1926 B, 37.
Lull, R. S. 1904 A, 538.
1915 A, 259.
1917 D, 125.
Nopcsa, F. 1923 H, 142 (Sheppardia).

Shepardia palmipes E. Hitchcock.

Hay, O. P. 1902 A, 551.
Hitchcock, C. H. 1898 A, 402.

Lull, R. S. 1904 A, 538.
1915 A, 260, fig. 120.
1917 D, 126.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

Shepardia sp. indet.

Thorpe, M. R. 1928 A, 39.
Triassic (Newark); Connecticut.

SILLIMANIUS E. Hitchcock. Type *S. tetradactylus* E. Hitchcock.

Hay, O. P. 1902 A, 551.
Abel, O. 1912 F, 272.
Hitchcock, C. H. 1898 A, 401 (Ornithopus).
Lull, R. S. 1904 A, 522.
1915 A, 236.
1917 D, 121.
Reichenbach, L. 1852 A, xvi (Pelarganax. Type *Ornithichnites tetradactylus*).

Sillimanius gracilior E. Hitchcock.

Hay, O. P. 1902 A, 551.
Hitchcock and Grier 1927 A, 194.
Lull, R. S. 1904 A, 523.
1915 A, 237, fig. 93.

Lull, R. S. 1917 D, 121.
Lyman, B. S. 1894 A, 209 (Ornithopus).
Triassic (Newark); Connecticut, Massachusetts.

Sillimanius tetradactylus E. Hitchcock.

Hay, O. P. 1902 A, 551.
Lull, R. S. 1904 A, 522.
1915 A, 237, fig. 92.
1917 D, 121.
Lyman, B. S. 1894 A, 209, 211 (Ornithopus gallinaceus).
Triassic (Newark); Massachusetts, Connecticut.

STENICHNUS Gilmore. Type *S. yakiensis* Gilmore.

Gilmore, C. W. 1927 D, 65.

Stenichnus yakiensis Gilmore.

Gilmore, C. W. 1927 D, 11, 66, pl. xix, fig. 2; text-fig. 34
Permian (Supai); Arizona.

STENONYX Lull. Type *Leptonyx lateralis* E. Hitchcock.

Lull, R. S. 1904 A, 498 (To replace *Leptonyx* Hitchcock, preoccupied).
Hay, O. P. 1902 A, 547 (Leptonyx).
Abel, O. 1912 F, 271.
Lull, R. S. 1915 A, 205.
1917 D, 117.

Stenonyx lateralis (E. Hitchcock).

Hay, O. P. 1902 A, 547 (Leptonyx).
Hitchcock, C. H. 1898 A, 401 (Leptonyx).
Hitchcock and Grier 1927 A, 194.
Lull, R. S. 1904 A, 498.
1915 A, 205, fig. 58.
1917 D, 117.
Lyman, B. S. 1894 A, 205 (Leptonyx).
Triassic (Newark); Massachusetts.

STEROPOIDES E. Hitchcock. Type *E. elegans* E. Hitchcock. Type chosen by Lull.

Hay, O. P. 1902 A, 551.
Abel, O. 1912 F, 272.
Hitchcock, C. H. 1898 A, 401 (Tridentipes).
Lull, R. S. 1904 A, 523.
1915 A, 238.
1917 D, 121.
Reichenbach, L. 1852 A, xvi (Pelargides; type *Ornithichnites danæ* Hitchcock).

Steropoides elegans E. Hitchcock.

Hay, O. P. 1902 A, 551.
Hitchcock and Grier 1927 A, 194 (S. diversus).
Lull, R. S. 1904 A, 523.
1915 A, 238, pl. i; text-fig. 94 (S. diversus).
1917 D, 121 (S. diversus).
Lyman, B. S. 1894 A, 210, 211 (Tridentipes).
Triassic (Newark); Massachusetts.

Steropoides infelix Hay.

Hay, O. P. 1902 A, 552.
Lull, R. S. 1904 A, 524.
1915 A, 240.
1917 D, 121.
Triassic (Newark); Massachusetts, Connecticut.

Steropoides ingens E. Hitchcock.

Hay, O. P. 1902 A, 552.
Lull, R. S. 1904 A, 524.
1915 A, 239, fig. 95.
1917 D, 121.
Lyman, B. S. 1894 A, 205, 210, 211, 213 (Tridentipes).
Reichenbach, L. 1853 A, xvi (Pelargides danæ).
Triassic (Newark); Massachusetts, New Jersey.

Steropoides loripes (E. Hitchcock).

Hay, O. P. 1902 A, 552.
Lull, R. S. 1904 A, 525.
1915 A, 240, fig. 97 (S. divaricatus).
1917 D, 121 (S. divaricatus).
Lyman, B. S. 1894 A, 209, 210, 211 (Tridentipes insignis).
Triassic (Newark); Massachusetts.

Steropoides uncus (E. Hitchcock).

Hay, O. P. 1902 A, 552.
Lull, R. S. 1904 A, 525.
1915 A, 242, fig. 98.
1917 D, 122.
Lyman, B. S. 1894 A, 206 (Tridentipes).
Triassic (Newark); Massachusetts.

SUSTENODACTYLUS Lull. Type *Stenodactylus curvatus* E. Hitchcock.

Lull, R. S. 1904 A, 537.
Hay, O. P. 1902 A, 551 (Stenodactylus, preoccupied).
Lull, R. S. 1915 A, 258.
1917 D, 125.

Sustenodactylus curvatus (E. Hitchcock).

Hay, O. P. 1902 A, 551 (Stenodactylus).
Hitchcock, C. H. 1898 A, 402 (Stenodactylus).
Lull, R. S. 1904 A, 537.
1915 A, 258, fig. 118.
1917 D, 125.
Lyman, B. S. 1894 A, 206 (Stenodactylus).
Triassic (Newark); Massachusetts.

TARSODACTYLUS E. Hitchcock. Type *T. caudatus* E. Hitchcock.

Hay, O. P. 1902 A, 552.
Hitchcock, C. H. 1898 A, 401.
Lull, R. S. 1904 A, 526.
1915 A, 243.
1917 D, 122.
Nopcsa, F. 1923 H, 144.

Tarsodactylus caudatus E. Hitchcock.

Hay, O. P. 1902 A, 552.
Lull, R. S. 1904 A, 527.
1915 A, 244, fig. 101.
Lull, R. S. 1917 D, 122.
Lyman, B. S. 1894 A, 206.
Triassic (Newark); Massachusetts.

Tarsodactylus expansus C. H. Hitchcock.

Hay, O. P. 1902 A, 552.
Hitchcock and Grier 1927 A, 195.
Lull, R. S. 1904 A, 527.
1915 A, 244.
1917 D, 122.
Triassic (Newark); Massachusetts.

THENAROPUS King. Type *T. leptodactylus* King.

Hay, O. P. 1902 A, 552.
Matthew, G. F. 1903 B, 103 (Theranopus. This genus?).
1903 D, 114.
1904 A, 99.

Thenaropus leptodactylus King.

Hay, O. P. 1902 A, 552.
Coal Measures; Pennsylvania.

Thenaropus macnaughtoni (Matthew).

Matthew, G. F. 1903 B, 103, pl. ii, fig. 1 (Theranopus. This genus?).
Lambe, L. M. 1904 C, 36, 46 (This genus?).
Matthew, G. F. 1903 D, 112 (This genus?).
Carboniferous; Nova Scotia.

Thenaropus ovoidactylus King.

Hay, O. P. 1902 A, 552.
Coal Measures; Pennsylvania.

Thenaropus pachydactylus King.

Hay, O. P. 1902 A, 552.
Coal Measures; Pennsylvania.

Thenaropus sphærodactylus King.

Hay, O. P. 1902 A, 552.
Matthew, G. F. 1903 D, 115 (Sphæropezium thærodactylum).
Coal Measures; Pennsylvania.

THINOPUS Marsh. Type *T. antiquus* Marsh.

Hay, O. P. 1902 A, 552.
Osborn, H. F. 1917 B, 175.

Thinopus antiquus Marsh.

Hay, O. P. 1902 A, 552.
Abel, O. 1914 C, 365.
Barrell, J. 1915 B, 409.
Boulenger, G. A. 1902 F, 382 (Tinopus).
Dames, W. 1898 D, 149.
Gregory, W. K. 1915 D, 368.
1922 A, 506, 509.
Lull, R. S. 1917 B, 488, 490, fig. 142.
1918 C, 123, pl. iii.
Moodie, R. L. 1913 B, 32.
1915 F, 190.
1915 H, 639.
1916 A, 37, pl. xviii, fig. 4; text-fig. 12.
Morton, D. J. 1926 A, 409, 6 figs.
Osborn, H. F. 1916 E, 610.
Zittel and Broili 1911 A, 173.
1923 A, 197.
Devonian; Pennsylvania.

TOXICHNUS E. Hitchcock. Type *T. inæqualis* E. Hitchcock.

Hay, O. P. 1902 A, 553.
Lull, R. S. 1904 A, 541.
1915 A, 262.
1917 D, 126.
A genus of doubtful validity.

Toxichnus inæqualis E. Hitchcock.

Hay, O. P. 1902 A, 553.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 542.
1915 A, 263, fig. 124.
1917 D, 126.
Triassic (Newark); Massachusetts.

TRIÆNOPUS E. Hitchcock. Type *T. baileyanus* E. Hitchcock.

Hay, O. P. 1902 A, 553.
Lull, R. S. 1904 A, 539.
1915 A, 261.
1917 D, 126.

Triænopus baileyanus E. Hitchcock.

Hay, O. P. 1902 A, 553.
Hitchcock, C. H. 1898 A, 402 (T. leptodactylus).
Hitchcock and Grier 1927 A, 195 (T. baileyi).
Lull, R. S. 1904 A, 539.
1915 A, 262, fig. 123 (T. baileyi).
1917 D, 126 (T. baileyi).
Lyman, B. S. 1894 A, 210 (Brontozoum leptodactylus).
Triassic (Newark); Connecticut.

Triænopus sp. indet.

Thorpe, M. R. 1928 A, 39.
Triassic (Newark); Connecticut.

TRIDENTICHNUS Gilmore. Type *T. supaiensis* Gilmore.

Gilmore, C. W. 1927 D, 70.

Tridentichnus supaiensis Gilmore.

Gilmore, C. W. 1927 D, 11, 70, pl. xxi; text-fig. 37.
Permian (Supai); Arizona.

Tridentichnus sp. indet.

Gilmore, C. W. 1927 D, 72, pl. ii, fig. 2 (This genus?). Permian (Supai); Arizona.

TRIHAMUS E. Hitchcock. Type *T. elegans* E. Hitchcock.

Hay, O. P. 1902 A, 553.
Hitchcock, C. H. 1898 A, 401.
Lull, R. S. 1904 A, 542.
A genus of doubtful validity.

Trihamus elegans E. Hitchcock.

Hay, O. P. 1902 A, 553.
Lull, R. S. 1904 A, 542.
Lyman, B. S. 1894 A, 205, 209.
Triassic (Newark); Massachusetts.

Trihamus magnus C. H. Hitchcock.

Hay, O. P. 1902 A, 553.

Lull, R. S. 1904 A, 542.
Lyman, B. S. 1894 A, 210.
Triassic (Newark); Connecticut.

TYPOPUS E. Hitchcock. Type *T. abnormis* E. Hitchcock.

Hay, O. P. 1902 A, 553.
Hitchcock, C. H. 1898 A, 402.
Lull, R. S. 1904 A, 542.
A genus of doubtful validity.

Typopus abnormis E. Hitchcock.

Hay, O. P. 1902 A, 553.
Lull, R. S. 1904 A, 543.

Lyman, B. S. 1894 A, 205, 210.
Triassic (Newark); Massachusetts, Connecticut?

Typopus gracilis E. Hitchcock.

Hay, O. P. 1902 A, 553.
Lull, R. S. 1904 A, 543.
Lyman, B. S. 1894 A, 209.
Triassic (Newark); Connecticut.

XIPHOPEZA E. Hitchcock. Type *X. triplex* E. Hitchcock.

Hay, O. P. 1902 A, 553.
Lull, R. S. 1904 A, 526.
1915 A, 243.

Xiphopeza triplex Hitchcock.

Hay, O. P. 1902 A, 553.
Hitchcock, C. H. 1904 A, 526.
1915 A, 243, fig. 100.
Lyman, B. S. 1894 A, 205.
Triassic (Newark); Massachusetts.

Class REPTILIA Laurenti.

Laurenti, J. N. 1768, Syn. Rept., 19.
Hay, O. P. 1902 A, 425.
Abel, O. 1909 F, 454 ("reptilien").
1910 B (185), ("reptilien").
1912 E, 223 ("reptilien").
1912 F, 292, 300, 356, 697.
1914 C, 341 ("reptilien").
1919 A, 333.
1920 A, 355.
1921 A, 143, 252, 265 ("reptilien").
Adams, L. A. 1919 A, 88, 138.
Adloff, P. 1903 A, 359 ("reptilien").
1904 B, 54 ("reptiles").
1907 A, 530 ("reptilien").
1910 B, 241 ("reptiles").
1913 B, 191 ("reptilien").
1913 C, 22 ("reptilien").
1915 A, 436 ("reptilien").
1918 A, 129 ("reptilien").
Agar, W. E. 1909 A, 379.
Agassiz, L. 1836 B, 24 ("reptiles").
1844 C, 253 ("reptiles").
1845 B, 299 ("reptiles").
Ahrens, H. 1912 B, 46 ("reptilien").
Aichel, O. 1917 A, 109 ("reptilien").
1919 A, 244 ("reptilien").
Alexander, G. 1904 A ("reptilien").
Allis, E. P. 1918 A, 244.
1919 B, 80.
1919 D, 209.
Altmann, F. 1925 A, 87, 94 ("reptilien").
Anderson, R. J. 1902 C, 785 ("reptiles").
Anonymous 1912 A, 519.
Anthony, R. 1912 A ("reptiles").
1913 A, 243 ("reptiles").
Arldt, T. 1907 C, 677 ("reptilien").
1907 D, 678.
1907 E, 205 ("reptilien").
1908 A, 569, 585.
1909 B, 354 ("reptilien").
Arthaber, G. 1910 A, 552 ("reptilien").
Baird, S. F. 1876 A, 357 ("reptiles").
Baraldi, G. 1877 A, *passim* ("rettili").
Bardeleben, K. 1889 A, 107 ("reptilien").
1896 A, 114 ("reptilien").
1901 A ("reptilien").
1904 A, 109 ("reptilien").
1905 A, 16 ("reptilien").
1905 C, 156 ("reptilien").
1906 A, 140 ("reptilien").
1907 A, 35 ("reptilien").
Bardenfleth, K. S. 1913 A, 69 ("reptiles")
Barrell, J. 1907 A, 474 ("reptiles").
Batelli, A. 1880 A, 346 ("reptilien").
Baur, G. 1886 O, 174.
1887 H, 47 ("sauropsiden").
1890 F, 156.
1894 B, 354.
1896 E, 569 ("reptilien").
1897 D, 47.
1897 E.
Beecker, A. 1903 A, 577 ("reptilien").
Beede, J. W. 1922 A, 680.
Beer, G. R. 1926 A, 312.
Bender, O. 1907 A, 40 ("reptilien").
1910 A, 122 ("reptilien").
1912 A, 3 ("reptilien").
Beyer, H. 1907 A, 265, 281 ("reptilien").
1908 B ("reptilien").
Bittner, F. 1912 A, 1 ("reptilien").
Blainville, H. M. D. 1835 A, 238.
1877 A, 107 ("reptiles").
Blanchard, E. 1861 A, 375 ("reptiles").
Blendinger, W. 1904 A, 453 ("sauropsiden").
Bluntschli, H. 1912 B, 385 ("reptilien").
Boas, J. E. V. 1914 B, 548, 555 ("reptilien").
Böker, H. 1927 A, 23, 52, fig. 15 ("urreptilien").
Bogoljubsky, S. 1914 A, 659.
Bolk, L. 1912 A, 58 ("reptilien").
1912 B, 950 ("reptiles").
1913 A ("reptilien").
1914 A ("reptilien").

Bolk, L. 1915 A, 103 ("reptilien").
1916 A, 715.
1921 A, 346 ("reptilien").
1921 C, 219 ("reptiles").
1922 A, 107 ("reptiles").
1922 B, 55.
1923 B, 376.
Bonaparte, C. L. 1832 A, 312.
1833 B, 1183.
Boulenger, G. A. 1891 D, 113.
1917 C, 456 ("reptiles").
1917 D, 1045 ("reptiles").
Branca, W. 1915 A, 6 ("reptilien").
Brandt, J. F. 1865 A, 2, 18.
Brauer, A. 1908 A, 88 ("saurier").
1914 A ("reptilien").
Brauns, D. 1890 A.
Braus, H. 1906 A ("reptilien").
Broili, F. 1904 D, 577.
1908 A, 6 ("reptilien").
Bronn, H. G. 1838 A, 1333.
1849 A, 780, seq.
Broom, R. 1890 A, 410.
1899 A, 749 ("reptiles").
1902 B, 168 ("reptile").
1903 I, 545.
1904 B, 94 ("reptiles").
1905 B, 213 ("reptiles").
1905 C, 269.
1905 D, 259.
1905 F, 40 ("reptiles").
1906 F, 373 ("reptiles").
1908 A, 1047 ("reptiles").
1908 E, 114 ("reptiles").
1909 B, 162.
1910 C, 473 ("reptiles").
1911 A, 919 ("reptiles").
1912 A, 625.
1912 B, 419 ("reptiles").
1921 A, 143 ("reptiles").
1922 A, 17.
1922 B, 455.
1924 B, 39.
1926 A, 257 ("reptiles").
Brown, A. E. 1904 A, 464.
Bruni, A. C. 1910 A, 750 ("rettili").
Burckhardt, R. 1903 A, 78 ("reptilien").
1906 A, 159 ("sauropsiden").
Carter, J. T. 1905 A, 136.
Cartier, O. 1874 A, 192 ("reptilien").
1875 A, 74 ("reptilien").
Carus and Engelmann 1861 A, 1052-1065, 1673, 1703.
Case, E. C. 1905 E, 180 ("reptiles").
1912 A, 200.
1915 A, 97.
1923 A, 517.
1924 B, 6.
Chaine, J. 1918 A, 734 ("reptiles").
Cleland, J. 1863 A, 118 ("reptiles").
1863 B, 308 ("reptiles").
1887 A, 391.
Cope, E. D. 1885 BB, 67.
1885 EE, 614.
1891 N, 7, 33 (Monocondylia, Reptilia).
Corning, H. K. 1891 A, 611 ("reptilien").
Cunningham, J. T. 1897 A, 486 (Sauropsida).
Cutler, I. E. 1924 A, 144 ("reptiles").
Cuvier, G. 1805 A (Amphibia).
1812 A, 123 ("reptiles").
1815 A, 103 ("reptiles").
1825 A, v, 2, 1-383, pls. i-xxiii.
Dabelow, A. 1926 A, 95 ("sauropsiden").
Dana, J. D. 1863 A, 1 ("reptiles").
1863 B, 315 ("reptiles").
1863 C, 334 ("reptiles").
1863 D, 130 ("reptiles").
Day, H. 1915 A, 427.
Delsman, H. C. 1913 A, 659 ("reptilien").
Dendy, A. 1907 A, 298.
Deninger, K. 1914 A, 186-214 ("reptilien").
1915 A, 183-186 ("reptilien").
Dependorf, T. 1907 A, 542 ("reptilien").
Diener, C. 1909 A, 32 ("reptilien").
Diethelm, M. 1907 A, 3 ("reptilien").
Döderlein, L. 1902 A, 399 ("reptilien").
Dollo, L. 1883 G, 582.
1884 E, 66 (Sauropsida, in part).
1889 E, 146 ("reptiles").
1893 D, 2 ("reptiles").
1893 F, 165 ("reptiles").
Dombrowski, B. A. 1925 A, 69 ("reptilien").
Drüner, L. 1904 A, 266 ("reptilien").
DuToit, P. J. 1911 A, 417 ("reptilien").
1913 A, 230 ("reptilien").
Eastman, C. R. 1913 B, 678 ("reptiles").
1914 B, 688 ("reptiles").
1915 C, 658.
1916 A, 655 ("reptiles").
1917 B, 655 ("reptiles").
Edgeworth, F. H. 1907 A, 530, 571 (Sauropsida).
Eggeling, H. 1906 A, 102 ("reptilien").
Eimer, G. H. T. 1901 A, 261 ("reptilien").
Eisler, P. 1895 A ("reptilien").
Emery, C. 1897 D, 601 ("reptilien").
Fernandez, M. 1921 A, 506 ("reptilien").
Filhol, H. 1889 A, 224 ("reptiles").
Fischer, E. 1903 A, 387 ("reptilien").
1905 B, 400 ("reptiles").
Fleishmann, A. 1910 A, 681.
Foote, J. S. 1913 A ("reptiles").
1916 A, 19 ("reptiles").
Forster, A. 1905 A, 89-138.
Fraas, E. 1905 B, 347 ("reptilien").
1911 B, 28 ("reptilien").
Frassetto, F. 1915 A ("rettili").
Frech, F. 1906 A, 491 ("reptilien").
Freund, L. 1902 A, 66.
Froriep, A. 1905 A, 156 ("reptiles").
1905 B, 111 (Lacerta, Anguis).
Fuchs, H. 1906 A, 8 ("reptilien").
1907 A, 149 ("reptilien").
1907 C, 8, 19 ("reptilien").
1908 A, 352 ("sauropsiden").
1908 C, 154 ("reptilien").
1909 C, 98 ("reptilien").
1909 D, 61, 66 ("reptilien").
1910 A, 35 ("reptilien").
1910 C, 476 ("reptilien").
1911 A, 34 ("reptilien").
1911 B ("reptilien").
1912 B, 82 ("reptilien").
1914 A, 28 ("reptilien").
1920 A, 357 ("reptilien").

Fuchs, H. 1926 B, 2 ("reptilien").
Fürbringer, M. 1900 A.
1902 B, 608 ("reptilien").
1904 A ("reptilien").
Gadow, H. 1896 A, 20.
1901 A, 396.
1901 B, 277.
1902 B, 347.
1912 B, 216 ("reptiles").
1914 A, 508 ("reptiles").
Garbowski, T. 1895 A, 448 ("reptilien").
Gaskell, W. H. 1898 A, 553.
Gaupp, E. 1895 A, 57, seq. ("reptilien").
1898 B, 848 ("reptilien").
1899 A, 1004 ("reptilien").
1900 A, 568 ("reptilien").
1901 B, 974 ("reptilien").
1902 A, 178, 215 ("reptilien").
1905 A, 277 ("reptilien").
1905 C, 128 ("reptilien").
1905 D, 1008 ("reptilien").
1905 E, 159, 160 ("reptilien").
1906 B ("reptilien").
1908 A, 182 ("reptilien").
1908 C ("reptilien").
1910 A, 535 ("reptilien").
1910 B, 355 ("reptilien").
1910 C, 318, 403 ("reptilien").
1910 D, 86 ("reptilien").
1911 B, 98 ("reptilien").
1911 D, 620 ("reptilien").
1912 A, 563 ("reptilien").
1912 B, 218 ("reptilien").
1913 A ("reptilien").
Gegenbaur, C. 1862 B, pls.
1863 A, 465 ("reptilien").
1866 A, 122 ("reptilien").
1867 A, 57 ("reptilien").
1867 B, 369, 395 ("reptilien").
1870 C, 397 ("reptilien").
1871 A, 157 ("reptilien").
1880 A, 586 ("reptilien").
Gelderen, C. 1922 A, 221 ("reptiles").
1923 A, 15 ("reptiles").
Geoffroy St. Hilaire, E. F. 1817 A, 126 ("reptiles").
1817 B, 186 ("reptiles").
1825 B, 124 ("reptiles").
1832 A, 349 ("reptiles").
Gervais, P. 1852 A, 241 ("reptiles").
1853 B, 35 ("reptiles").
1859 A, 129 ("reptiles").
Gessner, I. 1921 A, 271 ("reptilien").
Giebel, C. G. 1855 A, 86 (Sauria).
Gill, T. 1873 E, 435.
1898 A, 696 ("reptiles").
1898 B, 697 ("reptiles").
1910 B, 959.
Goodrich, E. S. 1916 A, 261.
Goodsir, J. 1857 A ("reptiles").
1857 B ("reptiles").
Gray, J. E. 1825 A, 194.
1837 C, 131.
Greene, J. R. 1861 A, 218, 225.
Gregory, W. K. 1911 C, 404 ("reptiles").
1913 B, 241 ("reptiles").
1913 E, 13 ("reptiles").
Gregory, W. K. 1916 D, 105 ("reptiles").
1917 C, 974 ("reptiles").
1922 A, 545.
1926 B, 425 ("reptiles").
1927 C, 170 ("reptiles").
1927 G, 268 ("reptiles").
Gregory and Adams 1915 A, 763.
Gregory and Camp 1918 A.
Gregory and Noble 1924 A, 436 ("reptiles").
Haeckel, E. 1868 A, 436, 455.
1873 A, 531 ("reptilien").
Haller, G. 1924 A, 305 ("reptilien").
Hanson, F. B. 1919 B, 70.
1920 A, 310.
Hase, A. 1913 A ("reptilien").
Hasse and Schwarck 1870 A, 40 ("reptilien").
Haughton, S. H. 1920 A.
Hay, O. P. 1910 C, 3.
Hayek, H. 1924 A, 137, 154 ("reptilien").
Heilprin, A. 1887 A, 429.
1901 A, 21473 ("reptiles").
Hertwig, O. 1892 A.
Hertz, M. 1925 A ("reptilien").
Hilzheimer, M. 1913 A, 473, 512 ("reptilien").
Hoernes, R. 1886 A, 582.
1912 A, 660 ("reptilien").
Hoeven, J. v. d. 1866 A, 363 (Pholidota).
Hollard, H. 1864 C, 360 ("reptiles").
Hommes, J. H. 1924 A, 39 ("reptiles").
Howes, G. B. 1891 A, 153 ("reptiles").
1893 C, 587.
1894 A, 77.
1902 A, 524 ("reptiles").
Howes and Swinnerton 1901 A.
Hubrecht, A. A. W. 1897 A, 29.
1908 A, 153.
Huene, F. 1902 A ("reptilien").
1906 C, 336 ("reptilien").
1907 A, 152-154 ("reptilien").
1908 F, 401 ("reptilien").
1908 H, 157-175 ("reptilien").
1910 F, 148-163 ("sauropsiden").
1911 G, 147-161 ("sauropsiden").
1912 E, 472 ("reptilien").
1912 F, 522 ("reptilien").
1925 D, 229 ("reptilien").
1926 A, 262 ("reptilien").
1927 E, 319 ("reptilien").
Huxley, T. H. 1855 A, 82.
1859 D, 401, 447.
1862 A, xlviii.
1863 E, 443.
1863 F, 475.
1867 C, 240.
1868 D, 303 ("reptiles").
1869 J, 91 ("reptiles").
1869 K, 146.
1870 F, 528.
1870 G, 481.
1870 H, 492.
1875 E, 70.
1881 A, 454 ("reptiles").
Ihering, H. 1880 A, 307 ("reptilien").
Iwanzoff, N. 1894 A, 578 ("reptilien").
Jaeger, J. F. 1842 A, 441 ("reptilien").
Jaekel, O. 1901 B, 53 ("reptilien").
1902 C, 610 ("reptilien").

Jaekel, O. 1902 D, 127 ("reptilien").
1902 E, 1115 ("reptilien").
1904 A, 30 ("reptilien").
1905 B, 60 ("reptilien").
1905 C, 134 ("reptilien").
1906 A, 28 ("reptilien").
1906 D, 188.
1908 A, 140 ("reptilien").
1909 A, 193, 211.
1909 B, 604.
1910 C, 324 ("reptilien").
1910 D, 123.
1911 A, 131.
1912 A, 610 ("reptilien").
1913 A, 88 ("reptilien").
1913 B, 194 ("reptilien").
Johnson, A. 1883 A, 404 ("reptiles").
Jordan, D. S. 1898 A, 176.
1922 C, 177 ("reptiles").
Juhn, M. 1923 A, 70 ("reptilien").
Julien, A. 1894 A, 174 ("reptiles").
Kampfen, P. N. van 1922 A, 57 ("reptilien").
Kehrer, F. A. 1896 A, 347 ("reptilien").
Keith, A. 1911 A, 294 ("reptilia").
Kerbert, C. 1876 A, 205 ("reptilien").
Kerr, J. G. 1923 A, 114.
Kesteven, H. L. 1916 A, 303.
1918 A, 449, 450 ("reptiles").
Keyes, C. A. 1922 A, pl. iii.
Kingsley, J. S. 1900 A, 248.
1900 B, 167 ("reptiles").
1901 A, 194 ("reptiles").
1905 A, 59.
1912 A, 185 ("reptiles").
1912 B, 87 ("reptiles").
1925 A, 14, 42, 54, 55, 136, 248, 263, 280.
Kjellberg, K. 1904 A, 159 ("sauropsiden," in part).
Klaatsch, A. 1893 B, 651 ("sauropsiden," in part).
1913 A, 162 ("reptilien").
Köstlin, O. 1844 A, 224 ("reptilien").
Koken, E. 1893 B, 645 ("reptilien").
1898 B, 142.
1901 B, 221 ("reptilien").
Kravetz, L. P. 1906 A, 6 ("reptilien").
Laaser, P. 1903 A, 571 ("reptilien").
Laloy, L. 1907 A, 584 ("reptiles").
Larger, R. 1913 A, 702 ("reptiles").
Lavocat, A. 1883 A, 1316 ("reptiles").
1884 A, 1126 ("reptiles").
1885 A, 28, 34 ("reptiles").
Lebedinsky, N. G. 1913 A, 767 ("reptilien").
Leche, W. 1887 A ("reptilien").
1915 B, 527 ("reptilien").
LeDamany, P. 1903 A, 273 ("reptiles").
1903 B, 275 ("reptiles").
1903 D, 353 ("reptiles").
1903 G, 127 ("reptiles").
1906 A, 58 ("reptiles").
1906 B, 155 ("reptiles").
Ledouble, A. F. 1903 A, 645 ("reptiles").
1906 A, 589 ("reptiles").
Lemoine, V. 1889 A, 233 ("reptiles").
Leunis and Ludwig 1883 A, 519.
Leydig, F. 1873 B, 32 ("reptilien").
1890 A, 441, 453 ("reptilien").
Lindsay, B. 1885 A, 684 ("reptiles").
Lobley, J. L. 1908 A, 198.
Lorenz, L. E. F. 1807 A.
Lubosch, W. 1907 A, 614 ("reptilien").
1908 A, 203 ("reptilien").
1911 A, 325 ("reptilien").
1911 B, 748 ("reptilien").
1926 A, 103 ("reptilien").
Lull, R. S. 1917 B, 308, 322, 337, 494.
1919 A, 223 ("reptiles").
Lydekker, E. R. 1901 A, 646 ("reptiles").
1903 D, 75.
1912 C.
McMurrich, J. P. 1912 A, 168.
Major, C. J. F. 1901 A, 150.
Mantell, G. A. 1844 A, 686 ("reptiles").
Marsh, O. C. 1899 C, 71 ("reptiles").
Martins, C. 1857 A ("reptiles").
1872 A, 307 ("reptiles").
Matthes, E. 1921 C ("reptilien").
Matthew, W. D. 1915 A, 181, 185, 274.
1916 C, 519.
1916 H, 13 ("reptiles").
1923 C, 403.
Mead, C. S. 1904 A, 53 ("reptiles").
Meckel, J. F. 1825 A ("amphibien").
Meek, A. 1911 A, 375.
Meunier, S. 1903 A, 774 ("reptiles").
Meyer, H. 1845 C, 280 (Saurii).
Miner, R. W. 1925 A, 148 ("reptiles").
Mivart and Clarke 1879 A, 530 ("reptiles").
Mollier, S. 1895 B, 8 ("reptilien").
Montgomery, J. H. 1901 A, 21732 ("reptiles").
Moodie, R. L. 1908 D, 443 ("reptiles").
1909 F, 216.
1909 G, 362.
1911 H, 239.
1912 C, 337.
1915 I, 135 ("reptiles").
Mook, C. C. 1918 A, 465.
Müller, J. 1832 A, 507 (Amphibia squamata).
Nauck, E. T. 1923 A, 2 ("reptilien").
Nitzsch, C. L. 1822 A, 68 ("amphibien").
Nopcsa, F. 1922 A, 107 ("reptilien").
1923 B, 353 ("reptilien").
1923 E, 1045.
1923 H ("reptilien").
1926 A, 644 ("reptiles").
1928 A, 163-188.
Osborn, H. F. 1899 J, 415.
1904 H, 93.
1904 M, 257.
1904 N, 308.
1905 N, 237 ("reptiles").
1910 B, 629 ("reptiles").
1916 E, 511, 602.
1917 B, 320.
1925 F, 962 ("reptiles").
Osburn, R. C. 1906 A, 447 ("reptiles").
Otto, H. 1908 A, 193 ("reptilien").
Owen, R. 1842 F, 65 ("reptiles").
1846 E ("reptiles").
1848 B.
1868 A, 905.
Packard, A. S. 1904 A, 221 ("reptiles").
Palacký, J. 1894 A, 129 ("reptilien").
Paramore, R. H. 1910 A, 1395 ("reptiles").

Parker, W. K. 1864 B, 56 ("reptiles").
1869 A, 501 ("reptiles").
1887 B, 53 ("reptiles").
1888 C, 397 ("reptiles").
1888 D, 475 ("reptiles").
1890 A, 62 ("reptiles").
Parker and Haswell 1897 A, 291, 315.
Parsons, F. G. 1903 A, 315 ("reptiles").
Perna, G. 1906 A, 135 ("reptilien").
Perrier, E. 1920 A ("reptiles").
Perrin, A. 1899 A, 524 ("reptiles").
Petronievics, B. 1917 A, 288 ("reptiles").
1919 B, 206 ("reptiles").
1921 A, 104 ("reptiles").
Pfeiffer, H. 1854 A, 33 ("amphibien").
Philippi, Frech and Volz 1903 A, 14 ("reptilien").
Pinkus, F. 1904 A, 150 ("reptilien").
Plieninger, F. 1906 A, 405 ("reptilien").
Pompeckj, J. F. 1925 A ("reptilien").
Puccioni, N. 1908 A, 56 ("rettili").
Pycraft, W. P. 1909 A, 204.
1910 A, 30.
Rabl, C. 1901 A, 520 ("reptilien").
1903 A ("reptilien").
Reis, E. L. 1920 A.
Reis, O. M. 1893 A, 523 ("reptilien").
Reynolds, S. H. 1897 A, 190-294.
Röse, C. 1892 F ("reptilien").
1892 G, 127 ("reptilien").
1897 A, 60 ("reptilien").
Rogenhofer, A. 1908 A (42) ("reptilien").
Romer, A. S. 1922 A, 39, 41.
1922 B, *passim*.
1923 B, 533 ("reptiles").
Rosenberg, A. 1873 A, 151 ("reptilien").
Rosenberg, E. 1895 A, 298 ("reptilien").
Rutland, J. 1901 A, 21032 ("reptiles").
Ryder, J. 1887 A, 344 ("reptiles").
Sabatier, A. 1897 A, 805 ("reptiles").
1897 B, 933 ("reptiles").
1902 A, 99 ("reptiles").
Schauinsland, H. 1906 A, 514.
Schlosser, M. 1898 D, 120 ("reptilien").
1899 C, 165 ("reptilien").
1903 G, 144 ("reptilien").
Schmalhausen, J. J. 1923 B, 544.
Schmidt, W. J. 1912 A, 75-104.
1912 B, 140 ("reptilien").
Schoenichen, W. 1900 A, 501 ("reptilien").
Schuchert, C. 1914 B, 283 ("reptiles").
1915 A, 754, 804.
Schuchert and Barrell 1914 A, 24 ("reptiles").
Schwarz, H. 1908 A, 326 ("reptilien").
Scott, W. B. 1913 A, 689.
1917 A, 181 ("reptiles").
1928 A, 331 ("reptiles").
Seeley, H. G. 1876 C, 155.
1887 D, 340.
1887 E, 187.
1888 I, 235.
1900 A, 281.
1901 A, 4 ("reptiles").
1908 B, 376.
1909 A, 714.
Seemann, G. 1926 A, 105-135 ("reptilien").
Sera, G. L. 1921 A, 47 ("rettili").
Serres, M. 1852 A ("reptiles").
1852 B, 192 ("reptiles").
Sewertzoff, A. N. 1904 A, 473 ("reptilien").
1908 A.
Seydel, O. 1899 A ("reptilien").
Shiino, K. 1914 A, 378 ("reptilien").
Shore, T. W. 1887 A, 363.
Simpson, G. G. 1926 A, 548 ("reptiles").
Sirena, S. 1872 A, 125, 136 ("reptilien").
Sixta, V. 1899 A, 329 ("reptilien").
1900 A, 213 ("reptilien").
1900 B ("reptilien").
1901 A, 321 ("reptilien").
1905 A, 672 ("reptilien").
Smith, G. E. 1911 A, 293.
1912 A, 425.
Spencer, W. B. 1886 A, 170, 220.
Spurrell, H. G. F. 1906 A, 119 ("reptilien").
Stehli, G. 1910 A, 737 ("reptilien").
Steiner, H. 1922 A ("reptilien").
Steinmann, G. 1907 A, 427.
1908 A, 210 ("reptilien").
1909 A, 65 ("reptilien").
1912 B, 717 ("reptilien").
Stejneger, L. 1907 C, 161.
Stephan, P. 1900 A, 361, 411 ("reptiles").
Strecker, C. 1887 A, 303 ("reptilien").
Stremme, H. 1909 A, 504 ("reptilien").
Stromer, E. 1912 A, 66, 125.
Suschkin, P. P. 1910 A, 244 ("reptilien").
1927 A, 281, 287, 310 ("reptiles").
Swinnerton and Howes 1901 A, 3.
Taschenberg, O. 1894 A, 3575.
Terra, P. 1911 A, 139, 227 ("reptilien").
Terry, R. J. 1909 A, 526 ("reptiles").
Thevenin, A. 1909 A, 1224 ("reptiles").
1910 A, 40 ("reptiles").
Thilenius, G. 1897 A, 490 ("reptilien").
Thyng, F. W. 1906 A, 48.
Tims, H. W. M. 1902 A, 323.
1903 A, 131.
Tomes, C. S. 1875 A, 93.
1875 B, 95.
Tornier, G. 1894 A, 96 ("reptilien").
1909 C, 544 ("reptilien").
1913 A, 315.
Van Gelderen, C. 1925 A, 497 ("reptilien").
Van Straelen, V. 1928 A, 295 ("reptiles").
Van Wijhe, J. W. 1922 A, 292 ("reptilien").
Versluys, J. 1911 A, 141 ("reptilien").
1914 A, 69 ("reptilien").
Vialleton, L. 1917 A, 192 ("reptiles").
Virchow, H. 1914 A, 69 ("reptilien").
Vitali, G. 1909 A, 210 ("rettili").
Voeltzkow, A. 1899 A.
Voeltzkow and Döderlein 1901 A, 313 ("reptilien").
Vogt, C. 1879 A, 241 ("reptiles").
Voit, M. 1909 B, 139 ("reptilien").
Wagner, R. 1843 A, 146 ("amphibien").
Wallace, A. R. 1876 A, I, 501; II, 598.
Wallisch, W. 1922 A, 534 ("reptilien").
Wamich, P. 1913 A ("reptilien").
Watkinson, G. B. 1906 A, 350 ("reptiles").
Watson, D. M. S. 1911 A, 323 ("reptiles").
1913 D, 24 ("reptiles").
1916 A, 341, 351 ("reptiles").

Watson, D. M. S. 1917 B, 54 ("reptiles").
1917 C, 171.
1919 B, 59, 60.
1919 C, 239 ("reptiles").
1926 A, 202 ("reptiles").
Wegner, R. N. 1922 A, 413 ("reptilien").
Weidenreich, F. 1926 A, 45 ("reptilien").
Werner, F. 1904 A, 336.
Wiedersheim, R. 1880 E, 493 ("reptilien").
1892 A, 50 ("reptilien").
Williston, S. W. 1904 B, 175.
1911 B, 70.
1912 E, 259.
1912 F, 91.
1913 B, 625.
1914 A, 5, 15.
1914 D, 410 ("reptiles").
1916 B, 194, 211.
1916 D, 152 ("reptiles").
1917 C, 411 ("reptiles").
Williston, S. W. 1917 D, 985.
1918 A, 75 ("reptiles").
1925 A, 1-300, figs. 1-191.
Wiman, C. 1916 D, 413 ("reptiles").
Windle, B. C. A. 1905 A, 1055 ("reptilien").
Woodward, A. S. 1910 B, 464 ("reptiles").
1917 D, lxxiv ("reptiles").
1922 C, 1-44.
Woodward, H. 1904 B, 142.
Woodward and Sherborn 1891 A, 31.
Wright, W. 1909 A, 673.
Ziegler, H. E. 1901 A, 235 ("reptilien").
1924 A, lx ("reptilien").
Zierler, F. E. 1905 A, 511 ("reptilien").
Zittel, K. A. 1895 A, 306.
1897 A, 127 ("reptilien").
1901 A, 410 ("reptiles").
Zittel and Broili 1911 A, 179.
1923 A, 209-383.
Zittel, Eastman, etc. 1902 A, 140.

Subclass ATREMATA, new name.

The term Synapsida, as employed by the authors cited, includes much more than the Cotylosauria. The same is true of Williston's Anapsida.

Abel, O. 1912 F, 221.
Broom, R. 1904 B, 93.
1904 C, 111.
1906 F, 374.
1907 A, 37.
1908 A, 1048.
1922 A, 25.
1924 B, 40, 64.
Fuchs, H. 1909 B, 140, 149, 150.
1911 B.
Fürbringer, M. 1904 A, 581.
Goodrich, E. S. 1916 A, 263.
Huene, F. 1911 D, 58.
Jaekel, O. 1905 B, 61.
1908 A, 140 (Synapsidia).
1908 B, 464.
Nopcsa, F. 1928 A, 164 (Anapsida in part).
Osborn, H. F. 1903 F, 276.
1903 H, 452, 455, 459, 465, 506.
1904 H, 99.
1904 L, 256.
1904 N, 308.
1904 S, 366 (Lynapida, err. typ.).
1905 C, 295.
1918 D, 684 (Anapsida).
Plieninger, F. 1906 A, 406.
Romer, A. S. 1922 B, 523 (Anapsida).
Thevenin, A. 1909 A, 1224 ("synapsidés").
Versluys, J. 1919 A, 2, 25.
Williston, S. W. 1904 B, 175.
1907 A, 487.
1908 I, 629.
1911 B, 66.
1914 A, 15.
1917 C, 419, 420 (Anapsida, in part).
1925 B, 210, 215 (Anapsida, in part).
Zittel and Broili 1923 A, 221.

Order COTYLOSAURIA Cope.

Hay, O. P. 1902 A, 426.
Abel, O. 1912 F, 221.
1919 A, 333.
1920 A, 350, 357.
1922 C, 568 ("cotylosaurier").
1926 B, 205-214.
Anonymous 1912 A, 520.
Arldt, T. 1908 A, 571, 585.
1916 A, 101 ("cotylosaurier").
Bluntschli, H. 1912 B, 387 ("cotylosaurier").
Boas, J. E. V. 1914 B, 556 ("cotylosaurier").
Boulenger, G. A. 1904 C, 476, 480.
1917 C, 456.
1917 F, 33.
1918 E, 516 ("cotylosauriens").
Broili, F. 1904 A, 67, 68.
1904 C, 273 ("cotylosaurier").
1904 D, 577 ("cotylosaurier").
1905 A, 14 ("cotylosaurier").
1908 A, 8 ("cotylosaurier").
1924 A, 11 ("cotylosaurier").
Broom, R. 1897 C, 279 (Theromora, in part).
Broom, R. 1902 D, 556.
1903 D, 286.
1903 I, 556.
1904 B, 90.
1904 C, 109.
1905 B, 213.
1905 F, 40 ("cotylosaurians").
1907 A, 35 ("cotylosaurians").
1908 A, 1049.
1908 D, 565.
1909 B, 166.
1910 A, 214.
1910 C, 475.
1911 A, 917.
1912 A, 627 ("cotylosaurs").
1912 B, 421.
1913 B, 465 ("cotylosaurs").
1913 J, 361.
1913 L, 230 ("cotylosaurs").
1913 N, 87 ("cotylosaurs").
1914 C, 135.
1915 C, 8.

Broom, R. 1918 A, 238 ("cotylosaurs").
1922 A, 19, 23, 25.
1924 B, 49, 63, fig. 13.
1925 A, 15 ("cotylosaurs").
Broom and Haughton 1913 A, 19 ("cotylosaurs").
Camp, C. L. 1923 A, 392.
Case, E. C. 1903 A, 99.
1905 B, 127.
1905 C, 70.
1907 E, 157.
1908 C, 577.
1910 C, 192.
1911 A, 3, 9, 10, 63, 96, 115.
1912 A, 202 ("cotylosaurs").
1915 A, 97, 108, 123, 134.
1923 A, 517.
Cope, E. D. 1891 N, 39.
Diener, C. 1909 A, 36.
DuToit, P. J. 1911 A, 420.
Frassetto, F. 1915 A, 19.
Fuchs, H. 1907 A, 161.
1909 B, 120 ("cotylosaurier").
1911 B, 398 ("cotylosaurier").
1920 A.
1920 B, 369.
1926 B, 4, 31.
Fürbringer, M. 1904 A ("cotylosaurier").
Gaupp, E. 1912 A, 567 ("cotylosaurier").
1913 A, 58 ("cotylosaurier").
Geol. Magazine 1912 A, 520.
Goodrich, E. S. 1916 A, 262, 266.
Gregory, W. K. 1910 A, 114, 115.
1913 B, 242 ("cotylosaurs").
1913 E, 39 ("cotylosaurs").
1920 A, 228.
1922 A, 12, 80, 509, 518.
Gregory and Adams 1915 A, 763 ("cotylosaurs").
Hay, O. P. 1905 D, 125.
1905 H, 296.
1908 A, 28.
1912 C, 563, 564.
Heilmann, G. 1926 A, 85.
Hilzheimer, M. 1913 A, 474 ("cotylosaurier"); 513 ("theromoren," in part).
Huene, F. 1909 D, 334 ("cotylosaurier").
1910 B, 52 ("cotylosaurier").
1910 D, 313 ("cotylosaurier").
1911 D, 44, 55.
1911 E, 119 ("cotylosaurier").
1911 F, 81 ("cotylosaurier").
1912 A, 69 ("cotylosaurier").
1912 F, 524 ("cotylosaurier").
1913 G, 502.
1914 G, pl. vii.
1914 J, lxxxix ("cotylosaurier").
1916 A, 63 ("cotylosaurier").
1920 C, 211.
1920 D, 163 ("cotylosaurier").
1921 A, 236 ("cotylosaurier").
1922 B, 70, 72, 107 ("cotylosaurier").
1922 E, 25 ("cotylosaurians").
1922 G, 451 ("cotylosaurier").
1923 C, 464, 466.
1925 D, 229, 233.
1925 I, 249.
1926 A, 260, 266.
1926 I, 78 ("cotylosaurier").
Jaekel, O. 1910 D, 114, 121.
1911 A, 121.
1914 A, 203 ("cotylosauriden").
Lakjer, T. 1927 A ("cotylosaurier").
Loomis, F. B. 1921 A, 193.
Lull, R. S. 1924 A, chart.
Lydekker, R. 1912 C, 4, 16.
1915 C, 636.
Merriam, J. C. 1912 B, 222.
Moodie, R. L. 1909 C, 121.
1909 F, 219.
1911 E, 250.
1913 A, 192.
1915 G, 371.
Nauck, E. T. 1923 A, 2 ("cotylosaurien").
Nopcsa, F. 1922 A, 109, 116, 117.
1923 E, 1049.
1923 F, 4, 10.
1923 H, *passim*.
1926 A, 635.
1928 A, 164.
Osborn, H. F. 1890 J, 415 (Theromora, in part; Cotylosauria).
1903 H, 452, 453, 456, 506.
1904 H, 99.
1904 N, 307.
1905 N, 237.
1912 J, 5 ("cotylosaurs").
1917 B, 185, 191.
Pompeckj, J. F. 1912 A, 339 ("cotylosaurier").
1925 A, 23 ("cotylosaurier").
Raymond, P. E. 1907 A, 835 ("theromorphs").
Romer, A. S. 1922 B, 519, 523.
1925 B, 460.
Schuchert, C. 1915 A, 809.
Sewertzoff, A. N. 1908 A.
Sollas, W. J. 1916 A, 115, 116.
Stappenbeck, R. 1905 A, 387, 427 ("cotylosaurier"); 427 (Theromora, in part).
Steiner, H. 1922 A, 339 ("cotylosaurier").
Steinmann, G. 1908 A, 210.
Stromer, E. 1912 A, 106 (Theromora, in part); 108 (Cotylosauria).
Sushkin, P. P. 1925 A, 180.
1927 A, 313.
Thevenin, A. 1910 A, 38, 41 ("cotylosauriens").
Thyng, F. W. 1906 A, 49.
Tornier, G. 1913 B, 338, 374.
Versluys, J. 1912 A, 500 ("cotylosaurier").
1912 B, 548, 550, 606, 687.
1919 A, 4, 19, 26.
Watson, D. M. S. 1912 B, 584.
1914 A, 308 ("cotylosaurs").
1914 B, 89 ("cotylosaurs").
1914 D, 168.
1914 E, 744.
1914 G, 1003 ("cotylosaurs").
1917 B, 1, 4.
1917 C, 171.
1918 A, 286 ("cotylosaurs").
1919 A, 286 ("cotylosaurians").
1926 A, 241.
Williston, S. W. 1904 B, 175, 176.
1907 A, 489 (Chelydosauria).
1908 A, 139.
1908 B, 395, 400.
1909 A, 393.

Williston, S. W. 1910 B, 69 ("cotylosaurs").
1911 B, 15, 66.
1911 C, 631.
1911 F, 662.
1912 A, 463.
1912 B, 638, 645.
1912 F, 92 ("cotylosaurs").
1914 A, 16, 45.
1914 C, 63.
1914 E, 121.
1914 F, 777.
Williston, S. W. 1916 A, 165.
1916 B, 193, 211 (Cotylosauria); 196 (Theromora, in part).
1917 C, 415 (Cotylosauria); 419 (Chelydosauria).
1925 A, *passim*.
1925 B, 210, 215, 221.
Wiman, C. 1917 A, 236 ("cotylosaurier").
1921 A, 27.
Zittel and Broili 1911 A, 188.
1923 A, 216, 221, 223.

Suborder CONODECTIFORMES, new name.

Gregory, W. K., in Williston, S. W. 1925 A, viii (Seymouriamorpha).
Nopcsa, F. 1923 H, 17, 121 (Seymouriamorpha).
1928 A, 164 (Seymouriamorpha, Seymouriamorphoidea).
Pearson, H. S. 1924 C, 343 (Seymouriamorpha).
Romer, A. S. 1925 B, 461 (Seymouriamorpha).
Sushkin, P. P. 1925 A, 179 (Seymouriamorpha).
1927 A, 309 (Seymouriamorpha).
Watson, D. M. S. 1917 C, 171 (Seymouriamorpha).

CONODECTIDÆ, new name.

Hay, O. P. 1902 A, 429 (Otocœlidæ, part).
Abel, O. 1919 A, 342 (Seymouridæ).
Arldt, T. 1912 A, 656 (Seymouridæ).
Broili, F. 1927 A, 188 (Seymouridæ).
Case, E. C. 1911 A, 9, 50, 64, 66, 112 (Seymouriidæ).
1915 A, 98 (Seymouriidæ).
1926 B, 193 (Seymouridæ).
Case and Williston 1913 B, 24 (Seymouriidæ).
Eastman, C. R. 1912 C, 657 (Seymouriidæ).
Lakjer, T. 1927 A, 240 (Seymouriidæ).
Nopcsa, F. 1923 H, 15, 121, 151 (Seymouridæ).
1928 A, 164 (Seymouriidæ).
Sushkin, P. P. 1928 A, 266, 268 ("seymourians").
Versluys, J. 1912 B, 613 (Seymouriidæ).
Williston, S. W. 1911 A, 237 (Seymouriidæ).
1911 B, 48 (Seymouriidæ).
1911 C, 631 (Seymouriidæ).
1912 B, 647 (Seymouriidæ).
1916 B, 215 (Seymouriidæ).
1925 B, 217 (Seymouriidæ).
Zittel and Broili 1923 A, 225 (Seymouridæ).

CONODECTES Cope. Type *C. favosus* Cope.

Unless otherwise indicated the authors, as quoted, use for this genus the name *Seymouria*.
Hay, O. P. 1902 A, 430 (Conodectes).
Amalitsky, V. P. 1921 A, 9.
1921 B, 1.
1924 A, 58.
1924 B, 64.
Anonymous 1912 A, 520.
Boas, J. E. V. 1914 B, 556, fig. 11.
Broili, F. 1904 A, 68, 81 (Seymouria, type *S. baylorensis*); 100 (Conodectes).
1904 D, 580.
1924 A, 4.
1927 A, 185, fig. 1.
Broom, R. 1912 A, 627.
1915 C, 8.
1922 A, 25.
1922 B, 458 (Conodectes, Seymouria).
1924 B, 64, fig. 13.
Case, E. C. 1905 A, 298 (Conodectes).
1905 B, 127 (Conodectes).
1907 D, 558 (Conodectes).
1908 D, 565 (Conodectes).
1911 A, 9, 50, 66, 112 (Seymouria); 61 (Desmospondylus); 9, 52, 112 (Conodectes).
1911 B, 54, 59 (Conodectes).
1915 A, 137.
Case and Williston 1913 B, 22.
Eastman, C. R. 1915 C, 659.
Fuchs, H. 1909 B, 121.
Geol. Mag. 1912 A, 520.
Gregory, W. K. 1913 B, 242.
1919 B, 422, fig. 2.
1920 A, 120, figs. 26, 29.
1922 A, 509, 518, fig. 347.
1926 B, 425.
1927 G, 268, fig. 1.
Hanson, F. B. 1920 B, 333, 337.
Hay, O. P. 1912 C, 563.
Huene, F. 1912 F, 524.
1913 B, 368, 376 (Seymouria a syn.).
1923 D, 269.
1926 A, 264, fig. 1.
Kingsley, J. S. 1925 A, 143, fig. 152.
Lakjer, T. 1927 A, 224, fig. 118.
Lydekker, R. 1913 A, 17.
Mook, C. C. 1921 D, 101.
Morton, D. J. 1926 A, 413.
Nauck, E. T. 1923 A, 2.
Nopcsa, F. 1922 A, 109.
1923 E, 1047.
1923 H, 12-16, 20, 22, 70, 155-157, 160, 186, tab., pl. iv, fig. 2.
1926 A, 635.
1928 A, 164.
Osborn, H. F. 1917 B, 187, fig.
Pearson, H. S. 1924 C, 338, 343.
Romer, A. S. 1922 A, 41, fig. 1.
1922 B, *passim*.
1925 A, 181.
1925 B, 461.
1926 A, 59.
1927 B, 680.

Romer, A. S. 1928 C, 248 (Seymouria); 258 (Conodectes).
Stappenbeck, R. 1905 A, 401, 403 (Seymouria); 430 (Conodectes).
Sushkin, P. P. 1925 A, 179 (Conodectes, Seymouria).
1928 A, 277.
Thevenin, A. 1910 A, 41.
Tornier, G. 1913 B, 339.
Versluys, J. 1909 A, 286.
1912 B, 564, 585.
1919 A, 4, fig. 1.
Watson, D. M. S. 1912 A, 9.
1913 F, 955.
1914 B, 84.
1914 D, 166-170.
1914 G, 1004.
1914 I, 532.
1914 M, 348.
1916 C, 618, 630, 632.
1917 B, 6, 49, 59.
1917 C, 171.
1919 A, 267.
1921 B, 98.
Williston, S. W. 1908 A, 148.
1910 A, 281 (Seymouria); 250, 280 (Desmospondylus, type *D. anomalus*).
1910 D, 534 (Conodectes).
1910 F, 586 (Desmospondylus).
1911 B, 42, 48.
1911 C, 631 (Conodectes, Desmospondylus).
1911 F, 662.
1912 E, 260.
1914 A, 21, figs. 4, 5, 25.
1914 E, 121.
1916 B, 217, figs. 59-61 (Seymouria, Conodectes).
1916 C, 291.
1917 A, 309.
1918 A, 76, fig. 1.
1925 A, *passim*, figs. 1, 2, 21, 76, 96, 130.
1925 B, 210, 215, 217, fig. 162.
Zittel and Broili 1911 A, 189.
1923 A, 225.

Conodectes favosus Cope.

Hay, O. P. 1902 A, 430.
Abel, O. 1912 F, 386, fig. 272 (Desmospondylus anomalus); 388 (Seymouria baylorensis).
1919 A, 345, fig. 265 (S. baylorensis).
1920 A, 359, fig. 564 (S. baylorensis).
1922 C, 570, fig. 477 (S. baylorensis).
Beede, J. W. 1907 A, 120.
Broili, F. 1904 A, 81, pl. xiii, figs. 1-3 (Seymouria baylorensis).
1904 D, 580, figs. 2, 6 (S. baylorensis).
Broili, F. 1917 A, 564, fig. 3 (S. baylorensis).
Broom, R. 1921 A, 146, fig. 6 (Seymouria baylorensis).
1922 B, 457, fig. 7.
Case, E. C. 1911 A, 50, 112, pl. xiii, figs. 1-5 (Seymouria baylorensis); 61, pl. xi, figs. 4, 5 (Desmospondylus anomalus); 52, 112 (C. favosus).
1911 B, 100, pl. xix, fig. 3 (Desmospondylus anomalus); 58, text-fig. 11 (C. favosus).
1915 A, 98, 137, text-fig. 23 (Seymouria baylorensis); 98 (C. favosus).
Cummins, W. F. 1908 A, 744.
Fuchs, H. 1909 B, 121, fig. 6 (Seymouria baylorensis).
Hay, O. P. 1912 C, 562 (Seymouria baylorensis).
Hilzheimer, M. 1913 A, 513, fig. 9 (Seymouria baylorensis).
Huene, F. 1912 F, 523, fig. 5 (Seymouria baylorensis).
1913 B, 368, fig. 52 (Seymouria=Condectes).
1922 B, 71 (Seymouria baylorensis).
Lakjer, T. 1927 A, 225, fig. 85 (Seymouria baylorensis).
Nauck, E. T. 1923 A, 6 (Seymouria babylorensis).
Osborn, H. F. 1918 D, 686 (Seymouria baylorensis).
Romer, A. S. 1928 C, 249, figs. 1-4 (Seymouria baylorensis).
Stappenbeck, R. 1905 A, 425 (Seymouria baylorensis).
Versluys, J. 1912 B, 591, 613, figs. l^1, x^1 (S. baylorensis).
Watson, D. M. S. 1914 D, 170, 172 (S. baylorensis).
1916 C, 618.
1919 A, 267, figs. 1-15 (S. baylorensis).
Williston, S. W. 1910 A, 280, pl. xvi (Desmospondylus anomalus).
1910 F, 596, text-fig. 3 (Desmospondylus anomalus).
1911 A, 232, fig. (S. baylorensis).
1911 B, 48, pl. xiii, figs. 4-8, pls. xxvi-xxix; text-figs. 18-22 (S. baylorensis).
1914 C, 66, fig. 8 (S. baylorensis).
1925 A, 33, figs. 19, 20 (S. baylorensis).
Zittel and Broili 1911 A, 190, fig. 320 (S. baylorensis).
1923 A, 225, fig. 323 (Seymouria baylorensis).

Permian (Clear Fork); Texas: (Enid); Oklahoma.

Conodectes sp. indet.

Romer, A. S. 1927 A, 232.

Permian (Clear Fork); Texas.

Suborder SAURAVIFORMES, new name.

Nopcsa, F. 1923 H, 16 (Rhizosauria).

SAURAVIDÆ Williston.

Williston, S. W. 1916 B, 217.
Huene, F. 1908 B, 378 (Sauravus).
Moodie, R. L. 1909 B, 13 (Sauravus).
Nopcsa, F. 1923 H, 16, 121, 151 (Sauravidæ, Datheosauridæ).
Romer, A. S. 1925 B, 461 (Sauravus).
Williston, S. W. 1911 B, 54 (Sauravus).
1916 B, 217.
1925 B, 217.
Zittel and Broili 1923 A, 253 (Datheosaurus).
Zittel and Schlosser 1923 A, 202 (Sauravus).

EOSAURAVUS Williston. Type *E. copei* Williston.

Williston, S. W. 1910 A, 272.
Abel, O. 1919 A, 245.
Arldt, T. 1912 A, 650.
Beede, J. W. 1922 A, 680.
Case, E. C. 1911 A, 9, 31.
Gregory, W. K. 1915 D, 363, fig. 11.
1922 A, 509.
Miner, R. W. 1925 A, 189.
Moodie, R. L. 1915 A, 510.
Nopcsa, F. 1922 A, 109.
1923 H, 15, 16, 137, pl. vi, fig. 5.
Romer, A. S. 1925 B, 461, 462.
Watson, D. M. S. 1919 A, 294.
Williston, S. W. 1911 B, 54.
1912 B, 659.
1915 B, 247.
1916 B, 217, fig. 62.
1925 A, 1, 169, 183, 185, 199.
1925 B, 216, 217, fig. 161.
Zittel and Broili 1923 A, 230.

Eosauravus copei Williston.

Williston, S. W. 1908 B, 395, 399, text-figs. 1, 2 (Isodectes).
Hay, O. P. 1902 A, 415 (Tuditanus punctulatus, in part).
Abel, O. 1912 F, 216, fig. 148 (Isodectes).
Beede, J. W. 1922 A, 682.
Broili, F. 1904 A, 27 (Tuditanus punctulatus).
Broom, R. 1921 A, 146, fig. 5.
Case, E. C. 1911 A, 31, text-fig. 8.
1915 A, 80, 94, 155.
1917 B, 818.
Cope, E. D. 1897 C, 88 (Isodectes punctulatus).
1898 B, 61 (Isodectes punctulatus).
Jaekel, O. 1909 B, 602, fig. 12 (Isodectes).
Kukuk, P. 1926 A, 613 (Isodectes punctulatus).
Lydekker, R. 1909 C, 468 (Isodectes).
1910 F, 672 (Isodectes punctatus).
Merrill, G. P. 1907 A, 73 (Isodectes punctulatus).
Moodie, R. L. 1909 B, 11, pls. iv, v (Isodectes punctulatus).
1909 F, 217 (Isodectes).
1909 G, 362 (Isodectes punctulatus).
1911 C, 383.
1911 H, 241, pl. ii, fig. 2 (Isodectes).
1915 A, 510, fig. 1.
1916 A, v, 86, 174, pl. xx, fig. 3.
Watson, D. M. S. 1919 A, 294.
1926 A, 240.
Williston, S. W. 1910 A, 272.
1910 F, 599 (=Isodectes punctulatus Moodie).
1911 B, 40, text-fig. 44.
1912 B, 656 (Isodectes).
1914 A, 52.
Pennsylvanian (Linton); Ohio.
See *Tuditanus punctulatus.*

Suborder GYMNARTHRIFORMES, new name.

Case, E. C. 1910 A, 177 (Gymnarthria).
1911 B, 69, 84 (Gymnarthria).
Case, E. C. 1915 A, 97, 102 (Gymnarthria).

GYMNARTHRIDÆ Case.

Case, E. C. 1910 A, 177.
Abel, O. 1919 A, 345.
Arldt, T. 1912 A, 656.
1916 A, 99, 142 ("gymnarthren").
Case, E. C. 1911 B, 14, 69, 84.
1915 A, 97.
Huene, F. 1913 B, 375.
Williston, S. W. 1916 B, 217.
1925 B, 217.

GYMNARTHRUS Case. Type *G. willoughbyi* Case.

Case, E. C. 1910 A, 177.
Arldt, T. 1916 A, 99.
Broom, R. 1910 A, 219, fig. 15.
Case, E. C. 1911 B, 14, 84, 144.
1915 A, 102, 132.
Huene, F. 1913 B, 375, 377.
Moodie, R. L. 1911 C, 382.
1915 G, 373.
Nopcsa, F. 1922 A, 109.
Williston, S. W. 1916 B, 217.
1925 B, 218.

Gymnarthrus willoughbyi Case.

Case, E. C. 1910 A, 177, text-fig. 8.
Broili, F. 1913 A, 100 (Cardiocephalus).
Case, E. C. 1911 B, 69, 144, text-figs. 16, 49.
1915 A, 97.
Huene, F. 1913 B, 326, figs. 11-14.
Moodie, R. L. 1911 C, 379.
1914 A, 19.
Permian (Clear Fork); Texas.

CARDIOCEPHALUS Broili. Type *C. sternbergi* Broili.

Broili, F. 1904 A, 45, 49.
1913 A, 98.
Case, E. C. 1911 B, 14, 70, 84, 145.
Williston, S. W. 1910 A, 281 (Cardiacephalus).
1910 D, 535 (Cardiacephalus).
1916 B, 219, fig. 63.
1925 B, 218.

Cardiocephalus sternbergi Broili.

Broili, F. 1904 A, 45, pl. vi, fig. 5.
1913 A, 100.
Case, E. C. 1911 B, 70, text-fig. 17.
1915 A, 97.
Moodie, R. L. 1914 A, 16.
Sternberg, C. H. 1909 C, 255 (Cardicephalus)
Williston, S. W. 1910 D, 535.
Permian (Clear Fork); Texas.

Suborder DIADECTIFORMES, new name.

Hay, O. P. 1902 A, 429 (Otocœlidæ, in part).
Case, E. C. 1905 A, 298 (Chelydosauria, in part).
1905 B, 126 (Chelydosauria, in part).
1907 E, 157 (Chelydosauria).
1908 D, 565 (Chelydosauria).
1911 A, 9, 10, 63, 85 (Diadectosauria).
Gregory, W. K. 1920 A, 228 (Diadectomorpha).
Hay, O. P. 1905 D, 125 (Chelydosauria).
1905 D, 125 (Chelydosauria).
1905 H, 296 (Chelydosauria).
1908 A, 28 (Chelydosauria).
Huene, F. 1913 B, 375 (Diadectosauria).
Schuchert, C. 1910 A, 570 (Chelydosauria).
Sushkin, P. P. 1927 A, 312 ("diadectids").
Watson, D. M. S. 1917 C, 171 (Diadectomorpha).
1919 A, 286 (Diadectomorpha).
Williston, S. W. 1914 A, 16, 45 (Diadectosauria).
1916 B, 195 (Diadectosauria).
1925 B, 210, 218 (Diadectosauria).
Zittel and Broili 1923 A, 229 (Diadectosauria).

DIADECTIDÆ Cope.

Hay, O. P. 1902 A, 426.
Abel, O. 1919 A, 339.
Arldt, T. 1907 D, 650.
1912 A, 656 (Diadectidæ, Nothodontidæ).
Boulenger, G. A. 1904 C, 479.
Broili, F. 1904 A, 69, 100.
Broom, R. 1903 D, 288, 292.
1908 A, 1050.
1925 A, 15 ("diadectids").
Case, E. C. 1903 A, 99.
1903 C, 400, figs. 3, 6-10.
1905 A, 298.
1905 B, 126.
1908 B, 236.
1911 A, 9, 10, 64, pl. ix (Diadectidæ); 9, 30, 65 (Nothodontidæ).
1915 A, 97, 102.
1926 B, 193.
1928 A, 178.
Case and Williston 1912 A, 348.
1913 B, 23.
Cope, E. D. 1885 BB, 70.
1891 N, 36.
Gregory, W. K. 1910 A, 114.
Hay, O. P. 1908 A, 28.
Huene, F. 1913 B, 375.
Jaekel, O. 1911 A, 123.
Nopcsa, F. 1923 E, 1052.
1923 F, 4, 5.
1923 H, 18, 20, 21, 22, 40, 70, 121, 136, 151, 165, 193.
1928 A, 164.
Romer, A. S. 1925 B, 452 ("diadectids").
Sushkin, P. P. 1928 A, 278.
Tornier, G. 1913 B, 340.
Versluys, J. 1912 B, 585, 617, 687.
Watson, D. M. S. 1917 B, 5.
1917 C, 171.
1919 A, 295.
Williston, S. W. 1908 A, 140.
1911 B, 16.
1911 C, 631.
1912 A, 458.
1916 B, 213.
1925 A, 34.
1925 B, 218.
Zierler, F. E. 1905 A, 512 ("diadektiden").
Zittel and Broili 1911 A, 192.
1923 A, 229.
Zittel, Eastman, etc. 1902 A, 182.

DIADECTES Cope. Type *D. sideropelicus* Cope.

Hay, O. P. 1902 A, 427 (Diadectes); 428 (Nothodon).
Abel, O. 1909 F, 455.
1912 F, 531, 668.
1919 A, 340.
1920 A, 358.
Boulenger, G. A. 1904 C, 478.
Broili, F. 1904 A, 100.
1904 D, 585.
Broom, R. 1903 D, 292.
1905 B, 214.
1908 A, 1050.
1910 A, 215, 231.
1910 C, 475.
1911 A, 920.
1913 G, 339.
1914 A, 109.
1914 C, 137.
1914 G, 304.
1915 C, 8, 30.
1922 A, 19, 25.
1924 B, 64, fig. 13.
1925 A, 15.
1926 A, 263.
Broom and Haughton 1913 A, 19.
Case, E. C. 1905 A, 298.
1907 D, 557, figs. 1, 2.
1908 B, 237, fig. 5.
1908 D, 565, fig. 11.
1910 C, 192, 195.
1911 A, 9, 11, 64, 67, pl. i, fig. 3; pl. iv, figs. 1, 3; pl. v; pl. vi, figs. 1-3; pl. vii, figs. 2, 3, 7; text-figs. 19, 23, 24, 26, 28, 29, 31, 34 (Diadectes); 9, 30, 65 (Nothodon).
1914 C, 213, figs. 1, 2.
1915 A, 105, 106, 108, 110, 134.
1921 A, 135.
Case and Williston 1912 A, 343.
Cope, E. D. 1878 LL, 482.
1880 U, 145 (Diadectes, Empedocles).
Cummins, W. F. 1908 A, 745.
Diener, C. 1909 A, 52.
Douthitt, H. 1917 A, 239.
Gadow, H. 1901 B, 308.
Gaudry, A. 1896 A, 118, fig. 96.
Gregory, W. K. 1910 B, 52, fig. 19.
1912 F, 524.

Gregory, W. K. 1913 B, 245.
1920 A, 121, fig. 30.
1926 A, 245.
Gregory and Noble 1924 A, 439, fig. 1.
Hanson, F. B. 1920 B, 336.
Heilprin, A. 1887 A, 154 (Diadectes, Empedocles).
Hoffmann, C. K. 1890 B, 1302.
Huene, F. 1910 B, 52, fig. 19.
1910 D, 314.
1911 F, 81.
1912 A, 74, 98.
1912 F, 524.
1913 B, 331, figs. 16 a, 18, 23, 24, 26, 29 (Diadectes); 375 (Nothodon).
Jaekel, O. 1916 A, 200.
Lakjer, T. 1927 A, 224, fig. 89.
Matthew, W. D. 1909 G, 94.
Mook, C. C. 1921 D, 101 (Nothodon).
Nopcsa, F. 1922 A, 109.
1923 E, 1047, fig. 9.
1923 H, 14, 18, 20-22, 40, 90, 153, 156, pl. iv, fig. 5.
1928 A, 164 (Diadectes, Nothodon).
Osborn, H. F. 1917 B, 187, fig. (Diadectes); 7, 8 (Empedocles).
Pompeckj, J. F. 1925 A, 23.
Romer, A. S. 1922 B, *passim*, pls. xxvii*a*-xxxi, xxxv, xxxvi, xxxviii*a*, xl-xlvi.
1924 A, 131, figs. 5, 10.
1925 B, 450, 453.
1927 B, 680.
1928 C, 257, 258.
Schuchert, C. 1910 A, 570.
Shaner, R. F. 1926 A, 362.
Stappenbeck, R. 1905 A, 385.
Steiner, H. 1922 A, 340.
Sushkin, P. P. 1927 A, 287, 307, figs. 19-22.
1928 A, 269.
Tornier, G. 1913 B, 340.
Versluys, J. 1912 B, 617, figs. a^2, b^2.
Watson, D. M. S. 1914 D, 166, 173.
1914 E, 746.
1914 G, 1004.
1916 C, 613, 630, figs. 5-7.
1917 B, 6.
1917 C, 171 (Diadectes, Nothodon).
1919 A, 295.
1926 A, 202, fig. 5.
Williston, S. W. 1910 F, 586.
1911 B, 16 (Nothodon).
1911 D, 379 (Nothodon).
1911 F, 662.
1912 B, 645.
1915 A, 578.
1916 A, 170.
1916 B, 213, figs. 56, 57.
1917 A, 315.
1918 B, 91.
1925 A, 31, 91, 112, 115, 124, 162, 167, 180, figs. 17, 22, 74, 95, 96.
1925 B, 215, 218.
Zittel and Broili 1911 A, 192.
1923 A, 229.

Diadectes biculminatus Cope.

Hay, O. P. 1902 A, 427.
Beede, J. W. 1907 A, 120.
Case, E. C. 1911 A, 17, pl. i, fig. 4.
Case, E. C. 1915 A, 97.
Cummins, W. F. 1908 A, 744.
Permian (Clear Fork); Texas.

Diadectes fissus Cope.

Hay, O. P. 1902 A, 427 (Empedias).
Beede, J. W. 1907 A, 119 (Empidens).
Broom, R. 1914 A, 110, 114.
Case, E. C. 1911 A, 17, pl. i, figs. 1, 2.
1915 A, 97.
Cope and Matthew 1915 A, pl. xix, figs. 5, 6 (This species?).
Cummins, W. F. 1908 A, 741 (Empedias).
Permian (Wichita); Texas.

Diadectes huenei Broom.

Broom, R. 1914 A, 110, figs. 2, 4.
Locality and level not given.

Diadectes latibuccatus Cope.

Hay, O. P. 1902 A, 427.
Beede, J. W. 1907 A, 118.
Broom, R. 1914 A, 110, 114.
Case, E. C. 1911 A, 19, text-fig. 2.
1915 A, 97.
Cummins, W. F. 1908 A, 743.
Permian (Wichita); Texas.

Diadectes lentus Marsh.

Hay, O. P. 1902 A, 428 (Nothodon).
Broom, R. 1914 A, 110, 114.
Case, E. C. 1911 A, 30, text-fig. 7 (Nothodon).
1915 A, 97 [Diadectes (Nothodon)].
Case and Williston 1912 A, 339, figs. 1, 2.
1913 B, 18.
Huene, F. 1913 B, 334, fig. 19 (Nothodon. This species?).
Romer, A. S. 1925 B, 451.
Williston, S. W. 1911 B, 16, pl. xxxiv, figs. 5-7; pl. xxxv, figs. 1-4; pl. xxxvi, fig. 2; text-figs. 1, 2 (Nothodon).
1925 A, 117, fig. 93 (Nothodon).
Williston and Case 1913 A, 6 (Diadectes).
Permian; New Mexico.

Diadectes maximus Case.

Case, E. C. 1910 A, 174.
1911 A, 20, text-fig. 3.
1915 A, 97 (Nothodon); 157 (Diadectes).
Permian (Wichita?, Clear Fork?); Texas: (Enid); Oklahoma.

Diadectes molaris Cope.

Hay, O. P. 1902 A, 427 (Empedias).
Beede, J. W. 1907 A, 119 (Empedocles).
Broom, R. 1914 A, 109, 110, fig. 3.
Case, E. C. 1911 A, 15, pl. i, fig. 5; text-fig. 1.
1915 A, 97.
Cope and Matthew 1915 A, pl. xix, figs. 1-4 (Empedocles, Diadectes).
Cummins, W. F. 1908 A, 743 (Empedias).
Gadow, H. 1901 B, 308 (Empedias).
Huene, F. 1913 B, 331, figs. 15, 16b, 17, 20, 21.
Perrier, E. 1920 A, 308 (Emepedias).
Permian (Wichita); Texas.

Diadectes phaseolinus Cope.

Hay, O. P. 1902 A, 427.

Abel, O. 1912 F, 529, figs. 400-402.
1919 A, 338, figs. 258-260.
1920 A, 358, fig. 563.
Beede, J. W. 1907 A, 119.
Broili, F. 1912 A, 153.
Broom, R. 1910 A, 216, figs. 11, 12.
1914 A, 109, 110.
Case, E. C. 1910 A, 163, text-figs. 1-6.
1911 A, 15, 84, pl. i, fig. 6; pls. ii, iii, fig. 2; pl. vi, figs. 4-9; pl. vii, fig. 1; pl. viii, fig. 1; pl. xiv; text-figs. 20, 22, 25, 27, 30.
1912 B, 681.
1915 A, 97, 134, pl. xx, fig. 3.
Case and Williston 1912 A, 340.
1913 B, 18, 21.
Cummins, W. F. 1908 A, 743, 745.
Heilmann, G. 1914 A, 74.
Hilzheimer, M. 1913 A, 516.
Huene, F. 1913 B, 331, figs. 22, 25.
Romer, A. S. 1925 B, 459.
Permian (Wichita, Clear Fork); Texas: (Enid); Oklahoma.

Diadectes sideropelicus Cope.

Hay, O. P. 1902 A, 427.
Beede, J. W. 1907 A, 118.
Case, E. C. 1911 A, 14.
1915 A, 97.
Cummins, W. F. 1908 A, 744.
Permian (Wichita); Texas.

Diadectes sp. indet.

Phillips, W. B. 1912 A, 41. Permian (Wichita); Texas.
Wegeman, C. H. 1915 A, 26, 27. Permian (Wichita); Oklahoma.

Empedias Cope. Type *E. alatus* Cope.

Hay, O. P. 1902 A, 427.
Broili, F. 1904 A, 100.
1904 D, 581.
Broom, R. 1903 D, 286, 292.
1908 A, 1050.
Case, E. C. 1907 D, 557.
1908 B, 237, fig. 5.
1911 A, 13.
Case and Williston 1912 A, 344.
Cummins, W. F. 1908 A, 745.
Huene, F. 1912 A, 98.
Jaekel, O. 1911 A, 123.
Mivart, St. G. 1888 A, 373.
Schuchert, C. 1910 A, 570.
Stappenbeck, R. 1905 A, 428.
Versluys, J. 1912 B, 564, 617.
Williston, S. W. 1904 B, 180.
Zittel and Broili 1923 A, 229 (Syn. of Diadectes).
Zittel, Eastman, etc. 1902 A, 182.
Apparently an unidentifiable genus.

Empedias alatus Cope.

Hay, O. P. 1902 A, 427.
Beede, J. W. 1907 A, 119.
Case, E. C. 1911 A, 18.
Cummins, W. F. 1908 A, 740.
Permian; Texas.

Bolbodon Cope. Type *B. tenuitectus* Cope.

Hay, O. P. 1902 A, 427.
Broili, F. 1904 A, 100.
Case, E. C. 1905 B, 128.
1908 B, 236, text-fig. 5.
1911 A, 9, 22, 64, text-fig. 34.
1915 A, 134.
Cummins, W. F. 1908 A, 745.
Nopcsa, F. 1923 H, 18.
1928 A, 164.
Schuchert, C. 1910 A, 570.
Stappenbeck, R. 1905 A, 429.
Williston, S. W. 1916 B, 214.
1925 B, 218.

Bolbodon tenuitectus Cope.

Hay, O. P. 1902 A, 427.
Beede, J. W. 1907 A, 120.
Case, E. C. 1911 A, 22, 87, pl. x, fig. 1; text-fig. 33.
1915 A, 97.
Cummins, W. F. 1908 A, 744.
Huene, F. 1913 B, 334, fig. 30.
Permian (Clear Fork); Texas.

Chilonyx Cope. Type *Bolosaurus rapidens* Cope.

Hay, O. P. 1902 A, 427.
Arldt, T. 1908 A, 571.
Broili, F. 1904 A, 100 (Chilonix).
Broom, R. 1903 D, 292.
1903 E, 135.
Case, E. C. 1905 B, 128.
1911 A, 9, 23, 65, pl. x, fig. 2; text-figs. 5, 32.
1915 A, 111, 134, 135.
Case and Williston 1913 B, 27.
Cummins, W. F. 1908 A, 745.
Nopcsa, F. 1923 H, 18.
1928 A, 164.
Osborn, H. F. 1917 B, 187.
Schuchert, C. 1910 A, 570.
Stappenbeck, R. 1905 A, 429.
Watson, D. M. S. 1917 C, 171.
Williston, S. W. 1915 A, 578.
1916 B, 214.
1925 A, 9.
1925 B, 218.

Chilonyx rapidens Cope.

Hay, O. P. 1902 A, 428.
Beede, J. W. 1907 A, 118, 119.
Broom, R. 1914 A, 110, fig. 1.
Case, E. C. 1911 A, 24, 86, text-fig. 32.
1915 A, 98.
Cummins, W. F. 1908 A, 742.
Huene, F. 1913 B, 345, fig. 31.
Permian (Wichita?, Clear Fork?); Texas.

ANIMASAURUS Case and Williston. Type *A. carinatus* Case and Williston.

Case and Williston 1912 A, 345.
Case, E. C. 1915 A, 135.
Nopcsa, F. 1923 H, 18, 55, 188.
1928 A, 164.
Watson, D. M. S. 1917 C, 171.
Williston, S. W. 1915 A, 578.
1916 B, 214.

Animasaurus carinatus Case and Williston.

Case and Williston 1912 A, 345, fig. 3.
Broom, R. 1914 A, 114.
Case, E. C. 1915 A, 97.
Case and Williston 1913 B, 18.
Williston and Case 1913 A, 6.
Permian; New Mexico.

DIASPARACTUS Case. Type *D. zenos* Case.

Case, E. C. 1910 A, 174.
1911 A, 9, 21, 64.
1915 A, 135.
Eastman, C. R. 1913 B, 678.
Nopcsa, F. 1923 H, 18, 40, 139, pl. vi, fig. 2*a* (Disparactus).
1928 A, 18, 40 (Disparactus).
Watson, D. M. S. 1917 C, 171.
Williston, S. W. 1911 D, 379.
1912 A, 463.
1914 C, 63.
1914 E, 121.
1915 A, 578.
1916 B, 213, fig. 58.
Williston, S. W. 1925 B, 217, 218, fig. 162.
Zittel and Broili 1923 A, 229.

Diasparactus zenos Case.

Case, E. C. 1910 A, 174, text-fig. 7.
Abel, O. 1919 A, 341, fig. 261.
Case, E. C. 1911 A, 21, 97, text-fig. 4.
1915 A, 97.
Case and Williston 1913 B, 17, figs. 8-22.
Williston, S. W. 1914 C, 63, fig. 5 (D. xenos).
Williston and Case 1913 A, 6.
Zittel and Broili 1923 A, 229, fig. 332.
Permian; New Mexico.

DESMATODON Case. Type *D. hollandi* Case.

Case, E. C. 1908 B, 236, text-fig. 5.
1911 A, 9, 26, 65, text-fig. 34.
1915 A, 102, 134.
Nopcsa, F. 1923 H, 18.
1928 A, 164.
Romer, A. S. 1925 B, 452.
Watson, D. M. S. 1917 C, 171.
Williston, S. W. 1916 B, 214.
1925 B, 218.

Desmatodon hollandi Case.

Case, E. C. 1908 B, 236, pl. lix, fig. 1; text-fig. 4.
1911 A, 26, 88, pl. viii, figs. 2, 3; text-fig. 33.
1915 A, 98.
Pennsylvanian (Upper); Pennsylvania.

DIADECTOIDES Case. Type *D. cretin* Case.

Case, E. C. 1911 A, 9, 26, 65.
1915 A, 134, 135.
Case and Williston 1913 A, 27.
Nopcsa, F. 1928 A, 164.
Romer, A. S. 1922 B, 560.
Watson, D. M. S. 1917 C, 171.
Williston, S. W. 1915 A, 578.
1916 B, 214.
Williston, S. W. 1925 B, 215, 218.
Zittel and Broili 1923 A, 230.

Diadectoides cretin Case.

Case, E. C. 1911 A, 26, text-fig. 6.
1915 A, 98, 135.
Permian (Clear Fork); Texas.

PROCOLOPHONIDÆ Nicholson and Lydekker.

Nicholson and Lydekker 1889 A, 1065.
Case, E. C. 1928 B, 177.
Lydekker, R. 1890 A, 13.
Nopcsa, F. 1923 H, 207.
Owen, R. 1876, Cat. Foss. Rept. S. Africa, 25, pl. xx (Procolophon).
Woodward, A. S. 1898 B, 148, fig. 94 (Procolophon).
Zittel, K. A. 1890 A (1889), 581 (Procolophon).
Zittel and Broili 1923 A, 230.

TRILOPHOSAURUS Case. Type *T. buettneri* Case.

Case, E. C. 1928 B, 177.

Trilophosaurus buettneri Case.

Case, E. C. 1928 B, 177, fig. 1.
Upper Triassic; Texas.

BOLOSAURIDÆ Cope.

Hay, O. P. 1902 A, 434.
Abel, O. 1919 A, 349.
Arldt, T. 1908 A, 585.
Arldt, T. 1912 A, 656.
Broili, F. 1904 A, 103.
Broom, R. 1913 D, 512.

Case, E. C. 1907 A, 653.
1911 A, 9, 28, 64, 65.
1915 A, 98, 102.
Huene, F. 1913 B, 375.
Lydekker, R. 1914 A, 649.
Nopcsa, F. 1928 A, 171.
Watson, D. M. S. 1917 C, 174, 184.
Williston, S. W. 1913 C, 745.
1914 D, 377.
1916 B, 214.
1925 B, 218.

Bolosaurus Cope. Type *B. striatus* Cope.

Hay, O. P. 1902 A, 434.
Abel, O. 1919 A, 349.
Broili, F. 1904 A, 103.
Broom, R. 1913 D, 509.
Case, E. C. 1908 B, 237, text-fig. 5.
1911 A, 9, 29, 65, text-figs. 34, 35.
1915 A, 102, 136.
Cope, E. D. 1878 LL, 482.
1880 U, 145.
Cummins, W. F. 1908 A, 745.
Gregory, W. K. 1920 A, 230.
Huene, F. 1913 B, 353, 375.
1926 F, 471.
Lakjer, T. 1927 A, 225.
Lydekker, R. 1914 A, 649.
Nopcsa, F. 1922 A, 109.
1923 H, 18.
1928 A, 171.
Schuchert, C. 1910 A, 570.
Versluys, J. 1912 B, 585, fig. C.
1919 A, 11.
Watson, D. M. S. 1917 C, 175.
Williston, S. W. 1913 A, 826.
1913 C, 745.
1914 D, 377.
Zittel and Broili 1911 A, 192.
1923 A, 235.

Bolosaurus major Broom.

Broom, R. 1913 D, 510.
Permian; Texas.

Bolosaurus striatus Cope.

Hay, O. P. 1902 A, 434.
Beede, J. W. 1907 A, 118.
Broom, R. 1913 D, 509, 510, figs. 1, 4.
Case, E. C. 1907 A, 654, pl. xlviii; text-figs. 1-5.
1911 A, 29, 89, pl. vii, figs. 4-6.
1915 A, 98, 157.
Huene, F. 1913 B, 353.
Versluys, J. 1919 A, 9, fig. 6.
Williston, S. W. 1913 C, 746.
1914 D, 377.
Permian (Wichita, Brier Creek); Texas.

Ophiodeirus Broom. Type *O. casei* Broom.

Broom, R. 1913 D, 510.
Case, E. C. 1915 A, 102 (Ophideirus).
Watson, D. M. S. 1914 G, 1005.
Williston, S. W. 1913 A, 825.
1913 C, 746.
1914 D, 377.

Ophiodeirus casei Broom.

Broom, R. 1913 D, 510, figs. 2, 3.
Case, E. C. 1915 A, 98.
Williston, S. W. 1914 D, 377 (Syn. of Aræoscelis gracilis).
Permian (Wichita); Texas.

Suborder Pareiasauriiformes, new name.

Unless otherwise indicated the writers, as cited, use for this order the name Pareiasauria.
Hay, O. P. 1902 A, 426 (Cotylosauria, in part).
Arldt, T. 1907 D, 671 (Pareiosauria).
1908 A, 571, 585.
1916 A, 101 ("pareiasaurier").
Beddard, F. E. 1902 A, 91 (Pareiasauri).
Boulenger, G. A. 1904 C, 476, 480 (Pariosauria).
1917 C, 456 ("paréiosauriens").
Broom, R. 1901 A, 185 ("pariasaurians").
1903 D, 286, 292.
1903 I, 554.
1905 B, 213.
1908 A, 1048.
1909 C, 136.
1912 C, 323 ("pareiasaurian").
1913 I, 353 (Pareiasaurus).
1913 J, 361.
1924 B, 64, fig. 13.
Case, E. C. 1911 A, 9, 33, 63, 64.
1915 A, 98.
Du Toit, P. G. 1911 A, 417.
Gadow, H. 1901 B, 304 (Pareiasauri).
Goodrich, E. S. 1916 A, 263.
Gregory, W. K. 1910 A, 115.
1920 A, 120, 229, figs. 28, 35 (Pariasauria); 228 (Captorhinomorpha, Seymouriomorpha).
1926 A, 185.
Haughton, S. H. 1920 A, 12.
Howes and Swinnerton 1901 A, 3.
Huene, F. 1910 D, 313 ("pareiasaurier").
1911 D, 44 ("pareiasaurier").
1913 B, 376.
Jaekel, O. 1904 C, 188.
1905 B, 62.
1909 B, 613.
1911 A, 122 (Pareiasauri).
Lydekker, R. 1912 C, 4.
Nopcsa, F. 1923 E, 1049.
1923 H, 5, 99.
1928 A, 164 (Pareiasauroidea).
Osborn, H. F. 1899 J, 415.
1903 H, 453 (Syn. of Cotylosauria).
1917 B, 185, 191.
Perrier, E. 1920 A, 307 ("paréiasauriens").
Pompeckj, J. F. 1925 A, 22 ("pareiasaurier").
Ridewood, W. G. 1897 D, 195 (Pariasaurus).

Romer, A. S. 1922 B, 523, 588.
Seeley, H. G. 1887 D, 340.
1889 A, 181 (Pareiosauria).
1905 A, 220.
Stappenbeck, R. 1905 A, 427 ("pareiasaurier").
Sushkin, P. P. 1927 A, 312, 319 ("pareiasaurians").
Watson, D. M. S. 1917 C, 171 (Pariasauria); 172 (Capitorhinomorpha).
Williston, S. W. 1908 B, 400.
1909 A, 393 ("pareiasaurs").
1916 B, 199.
1925 B, 210, 215, 220 (Pariasauria).
Woodward, A. S. 1922 C, 30 (Pariasauria).
Zittel and Broili 1923 A, 225.
Zittel, Eastman, etc. 1902 A, 180.

PAREIASAURIDÆ Lydekker.

Lydekker, R. in Nicholson and Lydekker 1889 A, 1055 (Pariasauridæ).
Hay, O. P. 1902 A, 429.
Abel, O. 1919 A, 348.
Amalitzky, V. P. 1922 A, 334.
Arldt, T. 1907 D, 180, 335 (Pareiosauridæ).
1912 A, 662.
Boulenger, G. A. 1917 C, 456 ("paréiosauriens").
Broili, F. 1904 A, 66, 68, 99.
Broom, R. 1916 B, 347.
Case, E. C. 1926 B, 193.
Cope, E. D. 1896 G, 439, 440 (Pariasauridæ).
Fuchs, H. 1909 B, 121.
Lancaster, E. R. 1905 A, 210, figs. 151, 157, 158 (Pariasaurus).
Lydekker, R. 1890 A, 112 (Pariasauridæ).
1915 C, 636 (Pareiasaurus).
Nopcsa, F. 1923 E, 1053.
1923 H, 18, 21, 121, 151 (Pareiasauridæ, Pareiasaurinæ).
1928 A, 164 (Pareiasauridae, Pareiasaurinæ).
Steinmann, G. 1907 A, 444 (Pareiosauria).
Sushkin, P. P. 1927 A, 309 ("pareiasaurians").
Tornier, G. 1913 B, 339, figs. 1, 2.
Versluys, J. 1912 B, 612.
Watson, D. M. S. 1912 B, 429, fig. 5 (Pariasaurus).
1914 L, 98 ("pariasaurians").
1917 B, 6.
1917 C, 172.
1919 A, 295 (Pariasauridæ).
Williston, S. W. 1925 A, 140 (Pariasauridæ).
1925 B, 220 (Pariasauria).
Zittel and Broili 1911 A, 189.
1923 A, 227.
Zittel, Eastman, etc. 1902 A, 180.

PAREIASAURUS Owen.

Owen, R. 1876, Cat. Foss. Rept. S. Africa, 6.
Abel, O. 1909 F, 457.
1920 A, 360, fig. 566.
1922 C, 574, fig. 480.
Amalitzky, V. 1922 A, 334, figs. 8, 9.
1924 A, 58.
1924 B, 74.
Boas, J. E. V. 1914 C, 259.
Boulenger, G. A. 1917 C, 458 (Pariosaurus).
Broili, F. 1904 D, 580.
1908 C, 65.
1912 B, 421.
Broom, R. 1899 A, 766.
1902 D, 554.
1903 E, 123, pls. xv, xvi.
1903 G, 145.
1904 B, 92.
1905 F, 40.
1906 C, 437.
1907 A, 35.
1907 C, 796.
1908 B, 351.
1909 E, 402.
1910 C, 475.
1913 G, 339.
1913 L, 236.
1914 G, 304.
1915 C, 22.
1916 B, 347.
1922 A, 18, fig. 1.
1924 A, 499, figs. 1-6.
1925 A, 15.
1926 A, 263.
Broom and Haughton 1913 A, 17.
1913 B, 26.
Case, E. C. 1926 B, 193.
Du Toit, P. J. 1911 A, 417.
Gregory, W. K. 1926 A, 225.
Haughton, S. H. 1920 A, 1, figs. 1-4.
Hennig, E. 1924 A, 144.
Huene, F. 1902 A, 14 (Pareiosaurus).
1909 D, 336, fig. 12.
1911 F, 83.
1912 A, 98.
Hutchinson, H. N. 1910 A, 116, pl. xii.
Kingsley, J. S. 1925 A, 253, fig. 268.
Lakjer, T. 1927 A, 224, figs. 87, 88.
Nopcsa, F. 1922 A, 109.
1923 H, 12-14, 17-21, 157, 197.
1928 A, 164.
Owen, R. 1876 D, 6, pls. vi-xii.
1876 E, 43.
Reynolds, S. H. 1897 A, 273, 283, 289, 292 (Pariasaurus).
Romer, A. S. 1928 C, 258.
Schmalhausen, J. 1917 A, 96, 107, fig. *m*.
Seeley, H. G. 1887 D, 337 (Parieasaurus).
1895 D, 1, pl. i.
1896 B, 184.
1899 A, 181 (Pareiosaurus).
1908 C, 605.
Stappenbeck, R. 1905 A, 400, 403.
Sushkin, P. P. 1927 A, 287, 293, figs. 23-26.
Thevenin, A. 1910 A, 41.
Versluys, J. 1912 B, 564, 574, 612.
Watson, D. M. S. 1910 A, 582.
1914 D, 155 (Pariasaurus).
1914 L, 100 (Pariasaurus).
1916 C, 633 (Pariasaurus).
1917 C, 172.

Hay, O. P. 1919 A, 286 (Pariasaurus).
Williston, S. W. 1917 A, 320.
1925 A, 162, 187, 197, 198, 200 (Pariasaurus).
Woodward, A. S. 1898 B, 145, figs. 92, 93 (Pariasaurus).
1922 C, 30, pl. iv (Pariasaurus).
Zittel and Broili 1911 A, 191, fig. 325.
1923 A, 226, figs. 326, 327.

Pareiasaurus? henneni White.

White, I. C. 1917 A, 822.
Case, E. C. 1917 B, 817 ("Pareiasaurus-like reptile"); pls. xxviii, xxix (P.? henneni).
1918 A, 504 ("Pareiasaurus").
Tilton, J. L. 1926 B, 387.
White, I. C. 1909 A, 194 ("pareiasaurian").
Permo-Carboniferous (Conemaugh); West Virginia.

Suborder CAPTORHINIFORMES, new name.

Romer, A. S. 1922 B, 523, 543, 587 (Captorhinomorpha).
1925 A, 181, 182 (Captorhinomorpha).
Sushkin, P. P. 1927 A, 313, 319 ("captorhinomorphs").
Watson, D. M. S. 1917 C, 172 (Capitorhinomorpha).
1919 A, 286 (Captorhinomorpha).

CAPTORHINIDÆ Case.

Case, E. C. 1911 A, 9, 38, 64, 65.
Abel, O. 1919 A, 346.
Arldt, T. 1912 A, 656.
Broili, F. 1924 A, 9.
Case, E. C. 1915 A, 98, 102 (Captorhinidæ, Labidosauridæ).
1926 B, 193.
Case and Williston 1913 B, 22.
Huene, F. 1913 B, 376.
1922 E, 24.
Jaekel, O. 1915 A, 126 ("labidosauriden").
Lakjer, T. 1927 A, 240.
Lull, R. S. 1924 A, chart (Cotylosauridæ).
Nopcsa, F. 1923 H, 23, 121, 151.
1928 A, 164.
Sushkin, P. P. 1928 A, 279.
Versluys, J. 1912 B, 681, 687.
Watson, D. M. S. 1914 A, 308.
1914 G, 1003.
1916 A, 346.
1917 B, 5.
1917 C, 172 (Captorhinidæ, Captorhiinæ).
1919 A, 296 ("captorhinids").
1921 B, 75 ("captorhinids").
Williston, S. W. 1914 A, 16, 45.
1916 B, 195 (Labidosauria); 219 (Captorhinidæ).
1917 A, 321.
1925 A, 119.
1925 B, 218.
Zittel and Broili 1923 A, 228, 231.

CAPTORHINUS Cope. Type *C. angusticeps* Cope.

Hay, O. P. 1902 A, 429.
Abel, O. 1919 A, 347.
Broili, F. 1904 A, 101.
Broom, R. 1910 C, 474.
1915 C, 8.
1922 A, 19.
1925 A, 15.
Broom and Haughton 1913 A, 19.
Case, E. C. 1910 C, 194, 195.
1911 A, 9, 38, 40, 65, 93, 98, 100, text-figs. 43, 45.
1915 A, 105, 136, text-fig. 21.
Eastman, C. R. 1912 C, 657.
Gregory, W. K. 1913 B, 242.
1922 A, 13, 506, 518.
Huene, F. 1912 A, 98.
1912 F, 524.
1913 B, 376.
1925 I, 249.
Lakjer, T. 1927 A, 224, figs. 86, 119.
Nopcsa, F. 1923 H, 21, 23, 157.
1928 A, 164.
Romer, A. S. 1927 B, 680.
1928 C, 255, 258.
Stappenbeck, R. 1905 A, 431.
Sushkin, P. P. 1925 A, 180.
1927 A, 289, fig. 36.
1928 A, 263, figs. 8, 9.
Versluys, J. 1912 B, 610, fig. v[1].
Watson, D. M. S. 1914 A, 308.
1914 D, 171.
1914 G, 996, 1004.
1916 A, 346.
1916 C, 623, 635, fig. 8.
1919 A, 286, 296, fig. 15.
Williston, S. W. 1909 C, 253.
1910 A, 272.
1911 D, 54, 68.
1914 A, 49, fig. 26.
1914 D, 413.
1914 E, 121.
1915 A, 575, 578.
1916 A, 165, 172, 186.
1916 B, 219, fig. 64.
1917 A, 311.
1925 B, 218.
Zittel and Broili 1923 A, 228.

Captorhinus aduncus (Cope).

Hay, O. P. 1902 A, 428 (Pariotichus).
Beede, J. W. 1907 A, 120 (Pariotichus).
Broili, F. 1904 A, 86 (Pariotichus).
Case, E. C. 1911 A, 40, 44.
1915 A, 98.
Williston, S. W. 1909 C, 255 (Pariotichus).
Permian (Clear Fork); Texas.

Captorhinus aguti (Cope).

Hay, O. P. 1902 A, 428 (Pariotichus).
Abel, O. 1919 A, 346, fig. 266 (Pariotichus).
Beede, J. W. 1907 A, 119 (Pariotichus).
Branson, E. B. 1911 A, 135, pl. i, figs. 1, 2 (Pariotichus).
Broili, F. 1904 A, 85 (Pariotichus).
Broom, R. 1922 A, 18, fig. 1.
Case, E. C. 1911 A, 40, 41, pl. xi, fig. 3; text-fig. 38.
1915 A, 98.
Cummins, W. F. 1908 A, 743 (Pariotichus).
Huene, F. 1910 B, 52, fig. 18 (Pariotichus).
Sushkin, P. P. 1927 A, 290, figs. 17, 18.
1928 A, 263, figs. 2, 3, 6, 7, 10.
Thyng, F. W. 1906 A, 48, fig. E (Pariotichus).
Williston, S. W. 1909 C, 255 (Pariotichus).
1914 D, 415, fig. 16.
1925 A, 39, fig. 25.
Permian (Clear Fork); Texas.

Captorhinus angusticeps Cope.

Hay, O. P. 1902 A, 429.
Broom, R. 1910 A, 218, figs. 13, 14 (Pariotichus).
Case, E. C. 1910 C, 194, text-fig. 5.
1911 A, 38, 40, 93, pl. xi, fig. 1; text-figs. 39, 42.
1915 A, 98.
Cummins, W. F. 1908 A, 743.
Gregory, W. K. 1922 A, 13, fig. 7.
Huene, F. 1912 F, 523, fig. 4.
1913 B, 347, figs. 32-35.
Sushkin, P. P. 1928 A, 264.
Permian (Clear Fork); Texas: (Enid?); Oklahoma.

Captorhinus illinoiensis Williston.

Williston, S. W. 1911 B, 69, pl. xxiv, figs. 5-7.
Case, E. C. 1915 A, 98, 169.
Pennsylvanian (Upper); Illinois.

Captorhinus isolomus (Cope).

Hay, O. P. 1902 A, 428 (Pariotichus).
Beede, J. W. 1907 A, 119 (Pariotichus).
Broili, F. 1904 A, 85, 86 (Pariotichus).
Case, E. C. 1911 A, 40, 43, 94, 99, pl. xi, fig. 2; text-figs. 40, 41, 44.
1915 A, 98.
Cummins, W. F. 1908 A, 744 (Pariotichus).
Huene, F. 1913 B, 347 (Syn. of Pariotichus incicivus).
Sushkin, P. P. 1927 A, 290, 304, fig. 35.
1928 A, 263, figs. 1, 5.
Williston, S. W. 1909 C, 255 (Pariotichus).
Permian (Clear Fork); Texas.

Captorhinus sp. indet.

Watson, D. M. S. 1919 A, 298, fig. 15.
Williston, S. W. 1911 B, 68, pl. xxx, figs. 6, 7 (This genus?).

HYPOPNOUS Cope. Type *H. squaliceps* Cope.

Hay, O. P. 1902 A, 429.
Broili, F. 1904 A, 101.
Broom, R. 1903 D, 292.
Case, E. C. 1911 A, 48 (Syn.? of Captorhinus).
Cummins, W. F. 1908 A, 745.
Schuchert, C. 1910 A, 570.
Stappenbeck, R. 1905 A, 431.
Williston, S. W. 1909 C, 253.

Hypopnous squaliceps Cope.

Hay, O. P. 1902 A, 429.
Beede, J. W. 1907 A, 120.
Case, E. C. 1911 A, 47, text-fig. 11.
Cummins, W. F. 1908 A, 744.
Type of the species is the larger skull of Case's figure.
Permian (Clear Fork); Texas.

PLEURISTION Case. Type *P. brachycœlus* Case.

Case, E. C. 1902 B, 63, 67.
Arldt, T. 1912 A, 656.
Case, E. C. 1911 B, 14.
Mehl, M. G. 1912 C, 409.
Nopcsa, F. 1923 H, 54.
Romer, A. S. 1922 B, 557.
Schuchert, C. 1910 A, 570.
Williston, S. W. 1910 F, 589.
1916 B, 221.
1925 B, 218.

Pleuristion brachycœlus Case.

Case, E. C. 1902 B, 63, 67.
Beede, J. W. 1907 A, 139.
Case, E. C. 1907 E, 29, pl. i, figs. 14, 15.
1915 A, 98.
Huene, F. 1925 I, 249, text-fig. 28.
Williston, S. W. 1910 F, 600, pl. i, figs. 1, 2.
Permian (Enid); Oklahoma.

LABIDOSAURUS Cope. Type *Pariotichus hamatus* Cope.

Hay, O. P. 1902 A, 429.
Abel, O. 1909 F, 455.
1919 A, 347.
Adams, L. A. 1919 A, 130, pl. xiii.
Amalitsky, V. P. 1921 B, 9.
1924 B, 66, 67.
Arldt, T. 1908 A, 571.
Boas, J. E. V. 1914 C, 262.
Boulenger, G. A. 1917 C, 457, 458.
1918 E, 516.
Branson, E. B. 1911 A, 136.
Broili, F. 1904 A, 51, 64.
1904 C, 273.
1904 D, 579.
1905 A, 15.
1908 C, 66.
1912 A, 150.
1927 A, 186.
Broom, R. 1908 A, 1050, 1058, 1059.
1922 A, 18.

Case, E. C. 1910 C, 194.
1911 A, 9, 45, 65, 101, 102, 108-111, pl. viii, figs. 4-8; text-figs. 46-50.
1915 A, 105, 137.
1924 B, 6.
Cummins, W. F. 1908 A, 745.
Fuchs, H. 1909 B, 121.
Gregory, W. K. 1913 E, 28.
1920 A, 121, fig. 31.
Huene, F. 1910 B, 58.
1910 D, 314.
1912 A, 79, 98, fig. 11.
1912 F, 524.
1913 B, 349, 351, 376.
1916 A, 63.
Jaekel, O. 1909 B, 610, fig. 18.
Lakjer, T. 1927 A, 224.
Moodie, R. L. 1909 B, 14.
Nopcsa, F. 1922 A, 109.
1923 E, 1047, fig. 8.
1923 H, 12, 14, 21, 22, 156, 157, 160, pl. i, fig. 2.
1928 A, 164.
Osborn, H. F. 1917 B, 187, fig.
Romer, A. S. 1928 C, 257, 258.
Schuchert, C. 1910 A, 570.
Stappenbeck, R. 1905 A, 387, 401, 403.
Steiner, H. 1922 A, 340.
Sternberg, C. H. 1909 C, 257.
1917 A, 192.
Sushkin, P. P. 1927 A, 289.
1928 A, 276.
Thevenin, A. 1910 A, 41.
Tornier, G. 1913 B, 339.
Versluys, J. 1912 A, 500.
1912 B, 564, 607.
1919 A, 4, fig. 1.
Watson, D. M. S. 1914 A, 308.
1914 D, 166.
1914 E, 744, 746.
1914 H, 1011.
1914 M, 348.
1916 A, 346.
1916 C, 623.
1919 A, 286.
Williston, S. W. 1908 A, 140.
1909 C, 247, 251, fig. 4.
1910 A, 272.
1910 B, 69, pls. i-iii.
1910 D, 530.
1911 A, 237.
1911 B, 32, 142, pl. xxiv, figs. 8-10.
1911 F, 662.
1913 B, 625.
1914 A, 22, figs. 6, 10, 27.
1914 D, 413.
1915 A, 578.
1916 A, 172, 186.
1916 B, 221, fig. 65.
1917 A, 309, figs. 2-9.
1925 A, 26, 183.
1925 B, 215, 217, 218, fig. 163.
Zittel and Broili 1911 A, 190.
1923 A, 228.

Labidosaurus broilii Case.

Case, E. C. 1911 A, 47.
1915 A, 98.
Williston, S. W. 1917 A, 313.
Permian (Clear Fork); Texas.

Labidosaurus hamatus Cope.

Hay, O. P. 1902 A, 429.
Abel, O. 1919 A, 348, fig. 268.
Arldt, T. 1908 A, 571.
Beede, J. W. 1907 A, 120.
Broili, F. 1904 A, 51, pl. vii, fig. 1; pls. viii, ix; pl. x, fig. 1; text-fig. 3.
1904 D, 584, figs. 6, 10, 11.
1905 A, 16.
1908 A, 9.
1908 C, 63, pl. iii.
1924 A, 9.
Case, E. C. 1911 A, 46, pl. xii.
1915 A, 98, 137, text-fig. 22.
Cummins, W. F. 1908 A, 743.
Huene, F. 1905 A, 352, fig. 44.
1913 B, 352, figs. 36, 37.
Jaekel, O. 1911 A, 125, fig. 40.
Moodie, R. L. 1909 C, 121.
Sternberg, C. H. 1909 C, 253.
Tornier, G. 1913 B, 339, figs. 3, 8.
Versluys, J. 1912 B, 573, figs. z, j^1, t^1.
Williston, S. W. 1909 C, 246.
1910 B, 72.
1911 B, 31, text-fig. 7.
1914 C, 65, fig. 7.
1914 D, 414, fig. 15.
1917 A, 311.
1925 A, 22, 30, 39, figs. 8, 9, 16, 27, 28, 29.
Zittel and Broili 1911 A, 190, figs. 321-323.
1923 A, 228, figs. 329, 330, 331.
Permian (Clear Fork); Texas: (Enid); Oklahoma.

Labidosaurus incisivus (Cope).

Hay, O. P. 1902 A, 428 (Pariotichus).
Beede, J. W. 1907 A, 120 (Pariotichus).
Broili, F. 1904 A, 85 (Pariotichus).
Case, E. C. 1900 A, 720 (Pariotichus).
Cummins, W. F. 1908 A, 744 (Pariotichus).
Gould, C. N. 1901 A, 339 (Pariotichus incisivorus.)
Huene, F. 1910 B, 57, fig. 24.
1910 D, 313, fig. 18.
1911 D, 51.
1912 A, 80, fig. 14.
Lydekker, R. 1909 C, 469.
Moodie, R. L. 1909 C, 121.
Osborn, H. F. 1918 D, 685.
Sushkin, P. P. 1928 A, 262 (Syn. of Captorhinus aguti).
Williston, S. W. 1902 N, 60 (Pariotichus incisivorus).
1908 A, 141, text-figs. 1-6 (Labidosaurus).
1908 D, 239, text-fig. 5.
1909 C, 255.
1917 A, 311, fig. 1.
Permian; Texas.

HELODECTES Cope. Type *H. paridens* Cope.

Hay, O. P. 1902 A, 429.
Broili, F. 1904 A, 101.
Case, E. C. 1911 A, 9, 48.
Nopcsa, F. 1923 H, 21.
Williston, S. W. 1909 C, 253.
1916 B, 222.
1925 B, 218.

Helodectes isaaci Cope.

Hay, O. P. 1902 A, 429.
Beede, J. W. 1907 A, 120.
Case, E. C. 1911 A, 48.
1915 A, 98.
Permian (Wichita?, Clear Fork?); Texas.

Helodectes pari ens Cope.

Hay, O. P. 1902 A, 429.
Beede, J. W. 1907 A, 119.
Case, E. C. 1911 A, 49, text-fig. 12.
1915 A, 98.
Cummins, W. F. 1908 A, 744 (H. pandius).
Permian (Clear Fork); Texas.

PARIOTICHIDÆ Cope.

Hay, O. P. 1902 A, 428.
Abel, O. 1919 A, 346.
Arldt, T. 1907 D, 671 (Pariotychidæ).
1908 A, 585.
1912 A, 656.
Boulenger, G. A. 1904 C, 478, 479.
Broili, F. 1904 A, 62, 66, 69, 101.
Broom, R. 1903 D, 292.
1908 A, 1050.
Case, E. C. 1908 C, 578.
1909 A, 195.
1911 A, 9, 33, 64, 65.
1915 A, 98.
Fuchs, H. 1909 B, 121.
1920 A, 363.
Gregory, W. K. 1910 A, 115.
Stappenbeck, R. 1905 A, 387 ("pariotichiden").
Stromer, E. 1912 A, 108.
Tornier, G. 1913 B, 340.
Versluys, J. 1912 B, 681.
Watson, D. M. S. 1917 C, 172.
Williston, S. W. 1909 E, 194 ("Pariotichus group").
1911 B, 68.
1911 C, 631.
1911 D, 379.
1916 B, 219.
1925 B, 218.
Zierler, F. E. 1905 A, 512 ("pariotychiden").
Zittel and Broili 1911 A, 192.
1923 A, 229.
Zittel, Eastman, etc. 1902 A, 181.

PARIOTICHUS Cope. Type *P. brachyops* Cope.

Hay, O. P. 1902 A, 428.
Arldt, T. 1908 A, 571.
Branson, E. B. 1911 A, 135, pl. i, figs. 3, 4.
Broili, F. 1904 A, 85, 101, pl. xii, figs. 13-28.
1904 D, 581.
1905 A, 15.
Broom, R. 1901 A, 183.
1903 D, 286, 292.
1903 E, 135.
1905 B, 214.
1908 A, 1050.
1910 A, 216, 232.
1910 C, 474 (Syn. of Captorhinus).
1911 A, 919.
Case, E. C. 1908 C, 576.
1911 A, 9, 34, 65.
1915 A, 136.
Cope, E. D. 1880 U, 145.
Cummins, W. F. 1908 A, 745.
Fuchs, H. 1909 B, 121, fig. 7.
1920 A, 361.
Huene, F. 1910 B, 58.
1910 D, 314.
1912 A, 98.
1913 B, 376.
1925 I, 249.
Kesteven, H. L. 1919 A, 235, fig. 20.
Nopcsa, F. 1922 A, 109.
1923 H, 21, 23, 30.
1928 A, 164.
Schuchert, C. 1910 A, 570.
Stappenbeck, R. 1905 A, 430.
Steiner, H. 1922 A, 340.
Sushkin, P. P. 1928 A, 277.
Versluys, J. 1912 A, 500.
Versluys, J. 1912 B, 554, 564.
Watson, D. M. S. 1914 D, 171.
1917 C, 172.
Williston, S. W. 1908 A, 140.
1908 B, 400.
1909 C, 241.
1909 E, 194.
1910 B, 71.
1916 B, 219.
1925 B, 218.
Woodward, A. S. 1898 B, 150.
Zittel and Broili 1911 A, 192.
1923 A, 229.

Pariotichus brachyops Cope.

Hay, O. P. 1902 A, 428.
Beede, J. W. 1907 A, 118.
Broili, F. 1904 A, 85.
Case, E. C. 1911 A, 34, 91, text-fig. 36.
1915 A, 98.
Cummins, W. F. 1908 A, 743.
Huene, F. 1913 B, 353, fig. 38.
Williston, S. W. 1909 C, 255.
Permian (Wichita); Texas.

Pariotichus laticeps Williston.

Williston, S. W. 1909 C, 242, figs. 1-3, 5, 6.
Branson, E. B. 1911 A, 135, 136.
Huene, F. 1910 B, 58, fig. 25.
1911 D, 46, 55, fig. 60.
1912 A, 79, fig. 10.
Jaekel, O. 1911 A, 124, fig. 139.
Osborn, H. F. 1918 D, 686.
Williston, S. W. 1910 B, 83.
Permian; Texas.

ISODECTES Cope. Type *Pariotichus megalops* Cope.

Hay, O. P. 1902 A, 428.
Broili, F. 1904 A, 101.
Case, E. C. 1902 A, 46.
1902 C, 257.
1908 C, 576.
1911 A, 9, 36, 65, text-fig. 37.
1915 A, 136.
Cummins, W. F. 1908 A, 745.
Huene, F. 1913 B, 376, 377.
Jaekel, O. 1911 A, 126.
Moodie, R. L. 1909 B, 12.
1909 D, 240.
1909 F, 219.
Nopcsa, F. 1923 H, 14 (Syn. of Conodectes).
Schuchert, C. 1910 A, 570.
Stappenbeck, R. 1905 A, 431.
Watson, D. M. S. 1917 C, 172.
Williston, S. W. 1909 C, 253.
Williston, S. W. 1916 A, 176, fig. 32.
1916 B, 219.
1925 B, 218.
Zittel and Broili 1911 A, 193.
1923 A, 229.

Isodectes megalops Cope.

Hay, O. P. 1902 A, 428.
Beede, J. W. 1907 A, 119.
Branson, E. B. 1911 A, 136 (Pariotichus).
Case, E. C. 1902 A, 46.
1902 C, 257 [I. (Pariotichus)].
1911 A, 36, 92.
1915 A, 98.
Cummins, W. F. 1908 A, 744.
Huene, F. 1913 B, 353, fig. 39.
Williston, S. W. 1909 C, 253.
Permian (Clear Fork); Texas.

ECTOCYNODON Cope. Type *E. ordinatus* Cope.

Hay, O. P. 1902 A, 428 (Pariotichus, in part).
Case, E. C. 1911 A, 9, 35, 65.
1915 A, 136.
Williston, S. W. 1916 B, 219.
1925 B, 218.

Ectocynodon ordinatus Cope.

Hay, O. P. 1902 A, 428 (Pariotichus).
Beede, J. W. 1907 A, 118, 139 (Pariotichus).
Broili, F. 1904 A, 85 (Pariotichus).
Case, E. C. 1902 B, 67 (Pariotichus).
1911 A, 35, text-fig. 10.
1915 A, 98.
Cummins, W. F. 1908 A, 744 (Pariotichus).
Williston, S. W. 1909 C, 255 (Pariotichus).
Permian (Wichita); Texas, Oklahoma.

PUERCOSAURUS Williston. Type *P. obtusidens* Williston.

Williston, S. W. 1916 A, 189.
Nopcsa, F. 1928 A, 171.
Watson, D. M. S. 1917 C, 172.
Williston, S. W. 1916 B, 221.
1925 B, 218.

Puercosaurus obtusidens Williston.

Williston, S. W. 1916 A, 189, fig. 37.
Permian; New Mexico.

LIMNOSCELIDÆ Williston.

Williston, S. W. 1911 D, 380.
Abel, O. 1919 A, 338.
Broili, F. 1924 A, 9.
Case, E. C. 1911 A, 66.
1915 A, 98, 102.
Eastman, C. R. 1912 C, 657.
Nopcsa, F. 1923 E, 1053.
1923 H, 23, 121, 160.
Nopcsa, F. 1928 A, 165.
Versluys, J. 1912 B, 611.
Watson, D. M. S. 1917 C, 173 ("superfamily").
Williston, S. W. 1911 B, 23.
1911 C, 631.
1916 B, 212.
1925 B, 218.
Zittel and Broili 1923 A, 226.

LIMNOSCELIS Williston. Type *L. paludis* Williston.

Williston, S. W. 1911 D, 380.
Abel, O. 1920 A, 358.
Amalitsky, V. P. 1921 B, 9.
1924 B, 64.
Broili, F. 1914 C, 29.
Broili and Fischer 1917 A, 409.
Broom, R. 1913 I, 357.
1915 C, 8.
Case, E. C. 1915 A, 108, 109, 135.
Eastman, C. R. 1913 B, 768.
Gregory, W. K. 1913 B, 242.
1920 A, 121, 229, fig. 32.
Hay, O. P. 1912 C, 563.
Huene, F. 1916 A, 60, text-fig. 94.
1920 F, 461.
1925 I, 246.
Kingsley, J. S. 1925 A, 267, fig. 290.
Lakjer, T. 1927 A, 225.
Lydekker, R. 1913 A, 17.
Miner, R. W. 1925 A, 189.
Mook, C. C. 1921 D, 101.
Nopcsa, F. 1922 A, 109.
1923 E, 1049.
1923 H, 14, 22, 56, pl. v, fig. 2.
1928 A, 165.
Romer, A. S. 1922 B, *passim*.
1927 B, 680.
1928 C, 257, 258.
Steiner, H. 1922 A, 340.
Sushkin, P. P. 1928 A, 269, 276.
Versluys, J. 1912 B, 585, 611.
Watson, D. M. S. 1914 D, 166.
1914 E, 746.
1916 C, 630.
1917 C, 173.
1919 A, 286, 294.

Williston, S. W. 1911 A, 237.
1911 B, 23, 42.
1911 D, 379.
1911 E, 699, fig. 2.
1912 A, 457, 466.
1914 A, 20, figs. 3, 24.
1914 C, 58, fig. 1.
1914 D, 413.
1914 E, 121.
1915 A, 578.
1916 B, 213, fig. 55.
1917 A, 315.
1925 A, 115, 165, 170, 179, figs. 95, 133.
1925 B, 219, fig. 163.
Zittel and Broili 1923 A, 226.

Limnoscelis paludis Williston.

Williston, S. W. 1911 D, 380, figs. 1-7.
Abel, O. 1912 F, 387.
1919 A, 335, figs. 255-257.
Broom, R. 1921 A, 146, fig. 4.
Case, E. C. 1915 A, 98, 136, text-fig. 20.
Hay, O. P. 1912 C, 563.
Lebedinsky, N. G. 1917 A, 336, fig. 26.
Lull, R. S. 1917 B, 499, fig. 150.
Versluys, J. 1912 B, 560, fig. O.
Williston, S. W. 1911 A, 237.
1911 B, 23, text-figs. 3-16.
1912 A, 457, figs. 1-32.
1914 C, 64, fig. 6.
1925 A, 37, 144, figs. 23, 24, 26, 27, 115, 116.
Williston and Case 1913 A, 6.
Permian; New Mexico.

Suborder PANTYLIFORMES, new name.

The authors below cited use Pantylosauria.
Arldt, T. 1912 A, 656.
Broom, R. 1913 E, 532.
Case, E. C. 1911 A, 58, 63, 64.
1915 A, 98, 138.
Huene, F. 1913 B, 377.
Moodie, R. L. 1913 A, 189.
Nopcsa, F. 1928 A, 164 (Labidosauroidea).
Romer, A. S. 1925 B, 461.
Williston, S. W. 1914 A, 16, 45.
1916 A, 165.
1916 B, 195.
1925 B, 210, 220.

PANTYLIDÆ Case.

Case, E. C. 1911 A, 58, 64, 113.
Abel, O. 1919 A, 341.
Nopcsa, F. 1923 H, 23, 121, 151, 160.
1928 A, 165 (Pantyloidea, Pantylidæ).
Watson, D. M. S. 1917 C, 173 (As superfamily).
Williston, S. W. 1911 C, 631.
1912 B, 647.
1916 B, 215.
1925 B, 220.

PANTYLUS Cope. Type *P. cordatus* Cope.

Hay, O. P. 1902 A, 429.
Broili, F. 1904 A, 101.
Broom, R. 1903 D, 286, 292.
1903 E, 135.
1910 A, 217.
1913 E, 527.
1922 A, 18, 19, 25.
1924 A, 507.
1924 B, 64, fig. 13.
1925 A, 15.
Camp, C. L. 1923 A, 474, fig. 82.
Case, E. C. 1911 A, 59, 66.
1912 A, 202.
1915 A, 102, 106, 138.
Cummins, W. F. 1908 A, 745.
Eastman, C. R. 1917 B, 655.
Eastman, Gregory and Matthew 1917 A, 118.
Gregory, W. K. 1920 A, 120, 229, figs. 27, 34.
1926 A, 245.
Huene, F. 1913 B, 377.
Kingsley, J. S. 1925 A, 143, fig. 152.
Lakjer, T. 1927 A, 225.
Lydekker, R. 1914 A, 649.
Mehl, M. G. 1912 A, 21.
Nopcsa, F. 1922 A, 109.
1923 H, 23.
1928 A, 165.
Osborn, H. F. 1917 B, 187.
1918 D, 687.
Romer, A. S. 1925 B, 461.
1928 C, 258.
Schuchert, C. 1910 A, 570.
Watson, D. M. S. 1914 D, 171.
1917 C, 173.
Williston, S. W. 1909 C, 253.
1911 C, 631.
1914 C, 66.
1915 A, 575.
1915 B, 253.
1915 C, 554, 559 (Ostodolepis a syn.).
1916 A, 165, figs. 20-30.
1916 B, 215.
1917 A, 311.
1917 C, 419.
1917 D, 986.
1918 B, 91.
1925 A, 14, 20, 31, 34, 131, figs. 4-6, 12, 13, 18, 105.
1925 B, 215, 217, 220.

Pantylus coïcodus Cope.

Hay, O. P. 1902 A, 429.
Beede, J. W. 1907 A, 119.
Case, E. C. 1907 A, 658.
1911 A, 60, text-fig. 18.
Cummins, W. F. 1908 A, 743.
Mehl, M. G. 1912 A, 26.
Permian (Clear Fork); Texas.

Pantylus cordatus Cope.

Hay, O. P. 1902 A, 429.
Abel, O. 1919 A, 343, figs. 263, 264.

Beede, J. W. 1907 A, 119.
Broom, R. 1913 E, 527, figs. 1-4.
Case, E. C. 1911 A, 59, 113, 114, text-figs. 51, 52.
1915 A, 98.
Cummins, W. F. 1908 A, 743.
Huene, F. 1913 B, 354, figs. 40, 41.
Lydekker, R. 1914 A, 649, fig. 6.
Mehl, M. G. 1912 A, 21, figs. 1, 2.
Moodie, R. L. 1913 A, 189.
Williston, S. W. 1909 C, 253.
Permian (Clear Fork, Wichita); Texas.

Pantylus tryptychus Cummins.

Cummins, W. F. 1908 A, 743 (No description).
Permian (Clear Fork); Texas.

OSTODOLEPIS Williston. Type *O. brevispinatus* Williston.

Williston, S. W. 1913 D, 363.
Watson, D. M. S. 1917 A, 979.
Williston, S. W. 1915 C, 559 (Syn. of Pantylus).
1916 A, 165, 174, fig. 31.
1916 B, 215.
1925 B, 220.

Ostodolepis brevispinatus Williston.

Williston, S. W. 1913 D, 262, figs. 1, 2.
Case, E. C. 1915 A, 98, 110 (Pantylus).
Permian (Clear Fork); Texas.

COTYLOSAURIA INCERTÆ SEDIS.

CHAMASAURUS Williston. Type *C. dolichognathus* Williston.

Williston, S. W. 1915 A, 577.
1916 B, 221.
1925 B, 218.

Chamasaurus dolichognathus Williston.

Williston, S. W. 1915 A, fig. 2.
Case, E. C. 1915 A, 98.
Permian; New Mexico.

ARCHERIA Case. Type *A. robinsoni* Case.

Case, E. C. 1915 A, 170.
Romer, A. S. 1922 B, 523, 537, 557, pl. xxxvii.
Williston, S. W. 1916 B, 221.
1925 B, 218.

Archeria robinsoni Case.

Case, E. C. 1915 A, 98, 157, 169, 170, pl. xxiii, figs. 7, 8; text-fig. 44.
Permian (Clear Fork); Texas.

BATHYGLYPTUS Case. Type *B. theodori* Case.

Case, E. C. 1911 A, 9, 32.
Arldt, T. 1912 A, 656.
Case, E. C. 1915 A, 134, 135.
Williston, S. W. 1916 B, 222.
1925 B, 218.

Bathyglyptus theodori Case.

Case, E. C. 1911 A, 32.
1915 A, 98.
Permian (Clear Fork); Texas.

TOMICOSAURUS Case. Type *T. casei*, sp. nov.

Case, E. C. 1907 E, 64, pl. xxvii, figs. 8, 9.
Williston, S. W. 1910 F, 590.
1916 B, 234.
1925 B, 236.
A genus of uncertain ordinal position.

Tomicosaurus casei sp. nov.

Case, E. C. 1915 A, 98 (T. sp.).
Permian (Clear Fork?, Wichita?); Texas.

HYPSOGNATHUS Gilmore. Type *H. fenneri* Gilmore.

Gilmore, C. W. 1928 E, 2.

Hypsognathus fenneri Gilmore.

Gilmore, C. W. 1928 E, 2, pls. i-iii; text-figs. 1-3.
Triassic (Brunswick shale); New Jersey.

Subclass PŒCILOGLYPTICA, new name.

The term Synapsida, as employed by the authors cited, includes also the group called in the present work the Atremata.
Abel, O. 1912 F, 221.
Arldt, T. 1908 A, 585.
Broom, R. 1904 B, 93.
1904 C, 111.
1906 F, 374.
1907 A, 37.
1908 A, 1048.
Fuchs, H. 1909 B, 140, 149, 150.
1911 B.
Fürbringer, M. 1904 A, 581.
Goodrich, E. S. 1916 A, 263.
Huene, F. 1911 D, 58.
Jaekel, O. 1905 B, 61.
1908 A, 140 (Synapsidia).
1908 B, 464.
Osborn, H. F. 1903 F, 276.
1903 H, 452, 455, 459, 465, 506.
1904 H, 99.
1904 L, 256.
1904 N, 308.
1904 S, 366 (Lynapida, err. typ.).

Osborn, H. F. 1905 C, 295.
Plieninger, F. 1906 A, 406.
Romer, A. S. 1922 B, 523.
Thevenin, A. 1909 A, 1224 ("synapsidés").
Versluys, J. 1919 A, 2, 25.
Williston, S. W. 1904 B, 175.
1907 A, 487.
1908 I, 629.
1911 B, 66.
1914 A, 15.
1917 C, 415.

Superorder ELPIDOSAURIA, new name.

Order SPHENACODONTOMORPHI, new name.

The ordinal terms Theromorpha and Theromora are employed by the authors, as quoted, in widely varying senses. They are not here adopted.

Hay, O. P. 1902 A, 430 (Pelycosauria).
Abel, O. 1912 F, 509 ("theromorphen").
Adloff, P. 1904 B, 55 ("theromorphen").
Arldt, T. 1907 D, 685.
1907 E, 206.
Beddard, F. E. 1902 A, 90.
Bluntschli, H. 1912 B, 387 ("theromorphen").
Boulenger, G. A. 1917 C, 457.
1918 E, 517 ("théromores").
Broili, F. 1904 A, 68.
1904 D, 578 ("theromorphen").
Broom, R. 1903 D, 287.
1910 C, 473.
1924 B, 64, fig. 13 (Pelycosauria).
Case, E. C. 1915 A, 98, 122 (Theromora).
Cope, E. D. 1878 CC, 829 (Theromorpha).
1880 U, 162 ("théromorphs").
1885 EE, 611.
Döderlein, L. 1900 A, 335.
Du Toit, P. J. 1911 A, 420.
Fuchs, H. 1907 A, 149 ("theromorphen").
1907 B, 415 ("theromorphen").
1909 B, 141.
1911 B ("theromorphen").
Fürbringer, M. 1902 B, 727 ("theromorphen").
Gadow, H. 1901 B, 300.
1902 B, 359.
Hay, O. P. 1912 C, 562, 563.
Huene, F. 1911 D, 58 ("pelycosaurier").
1912 F, 522 ("theromorphen").
1922 G, 451 ("theromorphen").
1925 D, 229 (Theromorpha).
1925 I ("pelycosaurier").
1926 A, 267 ("pelycosaurier").
1926 I, 52, 62 ("pelycosaurier").
Kingsley, J. S. 1900 A, 248 ("theromorphs").
1912 A, 185 ("theromorphs").
Kingsley, J. S. 1912 B, 89 ("theromorphs").
Koken, E. 1893 B, 279.
Laloy, L. 1907 A, 584 ("theromorphs").
Leche, W. 1887 A, 609.
Lydekker, R. 1912 C, 4, 16, 26.
Nopcsa, F. 1902 A, 186 ("theromorphen").
1923 H, *passim*.
1926 A, 633.
1928 A, 171 (Pelycosauria).
Osborn, H. F. 1898 U, 686.
1903 H, 452, 453.
Palacký, J. 1902 B, 140 ("theromorphen").
Parker and Haswell 1897 A, 313.
Rabl, C. 1903 A, 172 ("theromorphen").
Sixta, V. 1905 A, 671.
Stappenbeck, R. 1905 A, 427.
Steinmann, G. 1907 A, 444.
1912 B, 717 ("theromorphen").
Sushkin, P. P. 1928 A, 278 (Pelycosauria).
Versluys, J. 1912 B, 660, 687.
1919 A, 5, 22.
Watson, D. M. S. 1914 F, 778.
Wilckens, O. 1911 A, 706 ("theromorphen").
Williston, S. W. 1911 B, 70.
1911 C, 631.
1911 F, 662.
1912 B, 645, 649.
1914 A, 16, 45.
1914 C, 66.
1916 B, 193, 196, 198, 222.
1917 C, 414.
1918 A, 79.
1925 A, *passim*.
1925 B, 211, 228.
Woodward, A. S. 1897 C, 379 ("anomodonts").
1923 A, 32 ("theromorph reptiles").
Zierler, F. E. 1905 A, 512.
Zittel and Broili 1911 A, 188 (Theromora).
1923 A, 222 (Theromorpha).
Zittel, Eastman, etc. 1902 A, 179.

Suborder POLIOSAURIFORMES, new name.

Williston, S. W. 1925 B, 233 (Poliosauria).

GLAUCOSAURIDÆ Huene.

Huene, F. 1925 I, 245.
Nopcsa, F. 1928 A, 171 (Glaucosaurinæ).

MYCTEROSAURUS Williston. Type *M. longiceps* Williston.

Williston, S. W. 1915 C, 554, 559.
Abel, O. 1919 A, 363.
Gregory, W. K. 1919 B, 422, fig. 3.
1920 A, 122, 123, fig. 38.
1922 A, 506, 510, 518, fig. 348.
1926 B, 408, 426, fig. 1.
1927 G, 268, fig. 1.
Huene, F. 1925 I, 245.
Nopcsa, F. 1923 H, 54.
1928 A, 171.
Osborn, H. F. 1918 D, 687.
Watson, D. M. S. 1917 C, 173.
Williston, S. W. 1916 A, 165.
1916 B, 233, figs. 82, 83.

Williston, S. W. 1917 C, 415, fig. 3.
1918 B, 91.
1925 A, 48, 64, figs. 35, 39, 53.
1925 B, 236.
Zittel and Broili 1923 A, 232.
A genus of somewhat uncertain position.

Mycterosaurus longiceps Williston.

Williston, S. W. 1915 C, 554, figs. 1, 2.
Abel, O. 1919 A, 364, fig. 283.
Case, E. C. 1915 A, 99.
Huene, F. 1925 I, 245, text-fig. 23.
Osborn, H. F. 1918 D, 686.
Permian (Wichita); Texas.

GLAUCOSAURUS Williston. Type *G. megalops* Williston.

Williston, S. W. 1915 A, 575.
Huene, F. 1925 I, 245.
Nopcsa, F. 1923 H, 54, 55, 193.
Watson, D. M. S. 1917 C, 175.
Williston, S. W. 1916 A, 165.
1916 B, 233.
1925 B, 236.
The systematic position of this genus is not certain.

Glaucosaurus megalops Williston.

Williston, S. W. 1915 A, 575, fig. 1.
Case, E. C. 1915 A, 99.
Huene, F. 1925 I, 245, text-fig. 22.
Williston, S. W. 1925 A, 48, fig. 34.
Permian (Wichita); Texas.

POLIOSAURIDÆ Case.

Case, E. C. 1907 E, 18, 71, 77, 157.
Anonymous 1912 A, 520.
Arldt, T. 1908 A, 570 ("poliosauriden").
1912 A, 656, 662.
Broili and Fischer 1917 A, 409.
Case, E. C. 1908 C, 576, 578.
1915 A, 98, 102, 107, 122, 151.
1926 B, 193.
Geol. Mag. 1912 A, 520.
Huene, F. 1908 A, 434 ("poliosauriden").
1913 B, 377.
1925 I, 238, 245.
Gregory, W. K. 1913 E, 39 ("poliosaurs").
Nopcsa, F. 1923 H, 60, 123, 151, 168.
1928 A, 171 (Poliosauridæ, Poliosaurinæ).
Romer, A. S. 1922 B, 590.
Watson, D. M. S. 1914 G, 1004.
1917 B, 16, 49.
1917 C, 173.
Williston, S. W. 1910 F, 592.
1911 B, 71, 80.
1911 C, 631.
1912 B, 649.
1915 C, 559.
1916 A, 186.
1916 B, 225.
1925 B, 230, 233.
Zittel and Broili 1911 A, 194.
1923 A, 232, 270.

POLIOSAURUS Case. Type *Theropleura uniformis* Cope.

Case, E. C. 1907 E, 18, 72, 77, pl. i, figs. 9-13.
Abel, O. 1919 A, 363.
Arldt, T. 1908 A, 570.
Broom, R. 1913 D, 515.
Case, E. C. 1908 D, 559.
1915 A, 136, 171, text-fig. 45.
Romer, A. S. 1925 A, 182.
Watson, D. M. S. 1917 C, 173.
Williston, S. W. 1915 C, 559.
1916 B, 226.
1925 B, 233.
Zittel and Broili 1911 A, 194.

Poliosaurus uniformis Cope.

Hay, O. P. 1902 A, 433 (Theropleura).
Beede, J. W. 1907 A, 119 (Theropleura).
Case, E. C. 1903 A, 87 (Theropleura).
1907 E, 18, 19, pl. i, figs. 1-8.
1915 A, 98.
Cummins, W. F. 1908 A, 743 (Paleosaurus).
Permian (Wichita); Texas: (Enid); Oklahoma.

VARANOSAURUS Broili. Type *V. acutirostris* Broili.

Broili, F. 1904 C, 71, 79, 103, text-fig. 4.
Abel, O. 1919 A, 352, 362.
Anonymous 1912 A, 520.
Arldt, T. 1908 A, 570.
Broili, F. 1904 C, 270.
1914 C, 27.
1916 A, 485.
1917 A, 386, 391.
Broom, R. 1912 A, 626.
1913 D, 515.
Case, E. C. 1907 E, 20, 72, 79.
1915 A, 107, 123, 138.
Eastman, C. R. 1912 C, 657.
Geol. Mag. 1912 A, 520.
Gregory, W. K. 1913 B, 242.
1913 E, 39.
1926 A, 196, 244.
Hanson, F. B. 1920 B, 333, 337.
Hay, O. P. 1912 C, 563.
Huene, F. 1916 A, 62, figs. 95, 96.
1925 I, 17, 24.
Nopcsa, F. 1922 A, 116.
1923 E, 1047, 1053.
1923 H, 51-55, 57-59, 70, 74, 85-88, 170.
Romer, A. S. 1922 B, 552.
Steiner, H. 1922 A, 341.
Tornier, G. 1913 B, 341.
Versluys, J. 1912 B, 580, 663.
1919 A, 10.

Watson, D. M. S. 1914 A, 306.
1914 B, 85.
1914 D, 179.
1914 F, 776.
1914 G, 1004.
1914 H, 1015.
1916 A, 346.
1916 D, 646.
1917 B, 15, figs. 5, 26.
1917 C, 173.
1919 A, 299.
1921 B, 65, 70, 73, 79.
Wegner, R. N. 1922 A, 464.
Williston, S. W. 1910 A, 252.
1910 D, 530.
1910 F, 592.
1911 B, 54, 80, 85, 109.
1911 E, 698, 703, fig. 4.
1913 C, 744.
1914 D, 386, 387.
1914 E, 121.
1915 C, 559.
1916 B, 226.
1925 A, 108, fig. 84.
1925 B, 231, 233.
Williston and Case 1913 B, 46.
Zittel and Broili 1911 A, 194.
1923 A, 232.

Varanosaurus acutirostris Broili.

Broili, F. 1904 A, 71, pl. x, fig. 2; pl. xi; pl. xii, figs. 29-32.
Abel, O. 1920 A, 362, fig. 571.
Broili, F. 1914 C, 26, fig. 1.
1917 A, 563, fig. 3.
Case, E. C. 1907 E, 20, 79, pl. ii.
1915 A, 98.
Huene, F. 1905 A, 338.
1925 I, 236, text-figs. 9, 10.
1926 I, 53.
Sternberg, C. H. 1909 C, 254.
Watson, D. M. S. 1914 A, 297, figs. 1-5.
1914 D, 179.
1919 A, 298, fig. 15.
1921 B, 71, fig. 21.
Williston, S. W. 1911 B, 85, 91, text-fig. 27.
1914 D, 387.
1925 A, 49, fig. 38.
Zittel and Broili 1923 A, 232, fig. 333.
Permian (Clear Fork); Texas.

VARANOOPS Williston. Type *Varanosaurus brevirostris* Williston.

Williston, S. W. 1914 D, 387.
Abel, O. 1919 A, 362 (Varanops).
Case, E. C. 1915 A, 107, 138.
Huene, F. 1925 I, 229.
Nopcsa, F. 1923 E, 1049 (Varanops).
1923 H, 54-57, 85, pl. iv, fig. 6 (Varanops).
Osborn, H. F. 1917 B, 186, fig. (Varanops).
Romer, A. S. 1927 B, 680.
1928 C, 257, 258 (Varanops).
Watson, D. M. S. 1917 B, 16, 59 (Varanops).
1917 C, 173.
1918 A, 281.
Williston, S. W. 1914 A, 53, fig. 29 (Varanops).
1915 C, 559 (Varanops).
1916 B, 225, fig. 72 (Varanops).
1918 B, 91 (Varanops).
1925 A, 125, 133, 143, 167, 172, figs. 96, 114, 135.
1925 B, 233.
Zittel and Broili 1923 A, 232.

Varanoöps brevirostris Williston.

Williston, S. W. 1911 B, 85, frontispiece, pls. i-xii; pl. xiii, figs. 1-3; text-figs. 25, 26 (Varanosaurus).
Abel, O. 1919 A, 362.
Broom, R. 1912 A, 629, fig. 12 (Varanosaurus).
1921 A, 149, fig. 10 (Varanops).
Case, E. C. 1915 A, 98, 138, text-fig. 24 (Varanoops).
Hay, O. P. 1912 C, 562 (Varanosaurus).
Huene, F. 1925 I, 237, text-figs. 11, 12.
Osborn, H. F. 1918 D, 686 (Varanosaurus).
Watson, D. M. S. 1914 A, 303, 306 (Varanosaurus).
Williston, S. W. 1914 A, 53, fig. 29 (Varanops).
1914 C, 67, fig. 9 (Varanosaurus).
1914 D, 387, 398 (Varanoops).
1915 C, 387, 398 (Varanops).
1925 A, 48, figs. 36, 37 (Varanosaurus).
Permian (Clear Fork); Texas.

PŒCILOSPONDYLUS Case. Type *P. francisi* Case.

Case, E. C. 1910 B, 183.
Broom, R. 1913 D, 515.
Case, E. C. 1915 A, 107, 138.
Romer, A. S. 1922 B, 560.
Watson, D. M. S. 1914 G, 1008.
1917 C, 173.
Williston, S. W. 1910 F, 596.
1911 B, 80.
Williston, S. W. 1915 C, 387.
1916 B, 226.
1925 B, 233.

Pœcilospondylus francisi Case.

Case, E. C. 1910 B, 183, figs. 1-3.
1915 A, 98.
Permian (Clear Fork); Texas.

ARRIBASAURUS Williston. Type *Dimetrodon navajovicus* Case.

Williston, S. W. 1914 D, 408.
Case, E. C. 1915 A, 99.
Nopcsa, F. 1923 H, 54.
Watson, D. M. S. 1917 C, 175.
Williston, S. W. 1915 C, 559.
1916 B, 226.
1925 B, 233.
Put by Williston in the Poliosauridæ; by Case in the Sphenacodontidæ.

Arribasaurus navajovicus (Case).

Case, E. C. 1907 E, 56, 75, 137, pl. xxvii, figs. 1-5, 7; pl. xxxiii, figs. 3, 5, 12 (Dimetrodon).
Abel, O. 1912 F, 387, fig. 275 (Dimetrodon).
Case, E. C. 1915 A, 99, 139.
Huene, F. 1925 I, 241.
Williston, S. W. 1911 D, 379 (Dimetrodon navijoicus).
1914 D, 408, fig. 11 (D. navijoicus).
Williston and Case 1913 A, 6 (Dimetrodon).
Permian; New Mexico.

SCOLIOMUS Williston and Case. Type *S. puercensis* Williston and Case.

Williston and Case 1913 C, 60.
Nopcsa, F. 1923 H, 54.
Williston, S. W. 1916 B, 226, 234.
1925 B, 233.
The systematic position of this genus is doubtful.

Scoliomus puercensis Williston and Case.

Williston and Case 1913 C, 60, fig. 37.
Case, E. C. 1915 A, 98.
Permian; New Mexico.

OPHIACODONTIDÆ Williston and Case.

Williston and Case 1913 B, 59.
Abel, O. 1919 A, 364.
Case, E. C. 1926 B, 193.
Huene, F. 1925 I, 245.
Nopcsa, F. 1928 A, 171.
Romer, A. S. 1922 B, 590.
1925 A, 182.
Watson, D. M. S. 1917 B, 16.
1917 C, 174.
Williston, S. W. 1915 C, 559.
1916 B, 226.
1925 B, 230, 233.
Zittel and Broili 1923 A, 232.

OPHIACODON Marsh. Type *O. mirus* Marsh.

Hay, O. P. 1902 A, 434.
Abel, O. 1919 A, 355, 360, 364.
Brauns, D. 1890 A, 152.
Broili and Fischer 1917 A, 386, 409.
Case, E. C. 1915 A, 107, 138, 139.
Eastman, C. R. 1913 B, 678.
Huene, F. 1914 G, pl. vii.
1916 A, 63.
1922 B, 72.
1922 G, 451.
1925 I, 226.
Nopcsa, F. 1922 A, 109, 110.
1923 E, 1047, 1049.
1923 H, 33, 51, 54, 55, 58, 68, 70, 74, 82, 90, pl. v, fig. 8.
1928 A, 171.
Osborn, H. F. 1917 B, 186.
Romer, A. S. 1922 B, *passim*, pls. xxxiii, xxxvii, xlvi.
1925 A, 173, 181.
Steiner, H. 1921 A, 537.
1922 A, 341.
Versluys, J. 1919 A, 10, 11, 24.
Watson, D. M. S. 1914 A, 304.
1914 D, 179.
1914 G, 1005.
1916 D, 643.
1917 B, 16.
1917 C, 174.
1921 B, 72.
Williston, S. W. 1911 B, 21, 80, 81, 110, pl. xxxiv, figs. 4, 10?, 11?; pl. xxxv, figs. 5?, 6, 7?, 8-11; pl. xxxvii, figs. 3?, 4, 5.
1911 D, 379.
1911 E, 698, fig. 3.
1912 A, 463.
1912 B, 641, fig. 1.
1912 E, 260.
1914 A, 30, figs. 13, 15, 20-23.
1914 C, 69.
1914 D, 398.
Williston, S. W. 1914 E, 121.
1915 C, 559.
1916 A, 182, 188.
1916 B, 227, figs. 73-78.
1917 B, 650.
1917 C, 415.
1925 A, 101, 104, 127, 133, 135, 144, 165, 183, 187, figs. 78, 97, 117, 134, 152.
1925 B, 232, 233, fig. 168.
Williston and Case 1913 B, 37.
Zittel and Broili 1923 A, 233.

Ophiacodon mirus Marsh.

Hay, O. P. 1902 A, 434.
Abel, O. 1919 A, 365, figs. 284-287.
Brauns, D. 1890 A, 152.
Broili and Fischer 1917 A, 410, fig. 14.
Broom, R. 1912 A, 629, fig. 11.
1914 C, 140, fig. 6.
1921 A, 147, fig. 8.
Case, E. C. 1915 A, 98, 139, 170, text-fig. 25.
Huene, F. 1925 I, 26, text-fig. 13.
Lydekker, R. 1914 A, 650.
Mehl, M. G. 1912 C, 409.
Moodie, R. L. 1923 B, pl. xiv.
Osborn, H. F. 1918 D, 686.
Romer, A. S. 1925 A, 175.
Steiner, H. 1922 A, 341.
Williston, S. W. 1911 B, 81, pl. xxxiv, fig. 3; pl. xxxvii, fig. 1.
1914 C, 69, fig. 11.
1925 A, 46, 106, 160, figs. 32*b*, 82, 131.
Williston and Case 1913 A, 6.
1913 B, 37, pl. i; text-figs. 23-34, 36.
Zittel and Broili 1923 A, 219, fig. 324.
Permian; New Mexico.

Ophiacodon sp. indet.

Case, E. C. 1916 B, 709 (This genus?).
Permo-carboniferous; New Mexico.

THEROPLEURA Cope. Type *T. retroversa* Cope.

Hay, O. P. 1902 A, 433.
Arldt, T. 1908 A, 570.
Broili, F. 1904 A, 80, 102.
Camp, C. L. 1923 A, 392.
Case, E. C. 1903 A, 86.
1907 E, 22, 73, 81, pl. v, fig. 8; pl. xxvii, fig. 4; pl. xxxiii, fig. 8; text-fig. 24.
1908 D, 559, fig. 2.
1915 A, 107, 139, 173, text-fig. 47 (This genus?).
Cummins, W. F. 1908 A, 745.
Gregory, W. K. 1926 A, 244.
Heilprin, A. 1887 A, 154.
Huene, F. 1905 A, 339.
1911 D, 29, 33, 38.
1911 E, 119, fig. 36.
1914 E, 499.
1925 I, 236.
Nopcsa, F. 1923 E, 1053.
1923 H, 54, 55, 59, 85.
1928 A, 171.
Osborn, H. F. 1917 B, 186.
1918 D, 687.
Romer, A. S. 1922 B, 560.
1925 A, 177, 182.
Schuchert, C. 1910 A, 570.
Thevenin, A. 1910 A, 56.
Watson, D. M. S. 1916 C, 625, 634.
1916 D, 643.
1917 B, 49.
1917 C, 174.
Williston, S. W. 1911 B, 80, 110.
1911 D, 379.
Williston, S. W. 1914 C, 70.
1915 A, 575, 578.
1915 C, 559.
1916 A, 165, 178, 188, figs. 33-35.
1916 B, 227.
1925 A, 120, fig. 94.
1925 B, 233, fig. 169.
Williston and Case 1913 B, 59.
Zittel and Broili 1911 A, 194.
1923 A, 233 (Syn. of Diopæus).

Theropleura grandis Case.

Case, E. C. 1907 E, 28, 88, text-fig. 26.
1915 A, 98.
Permian (Wichita, Clear Fork?); Texas.

Theropleura retroversa Cope.

Hay, O. P. 1902 A, 433 (T. retroversa, T. triangulata).
Beede, J. W. 1907 A, 119 (T. retroversa, T. triangulata).
Broom, R. 1914 C, 137, fig. 1.
Case, E. C. 1907 E, 25, 26, 81, pl. iii; pl. xiii, fig. 1; text-figs. 21-23, 25.
1915 A, 98, 139, text-figs. 26.
Cummins, W. F. 1908 A, 742.
Huene, F. 1911 D, 33, figs. 33, 34.
Thevenin, A. 1910 A, 57, fig. 32.
Watson, D. M. S. 1916 D, 643, figs. 6, 7 ("Theropleura").
Williston, S. W. 1911 B, 82.
Williston and Case 1913 B, 43.
Permian (Wichita); Texas.

WINFIELDIA Romer. Type *W. hilli* Romer.

Romer, A. S. 1925 A, 174, 182.

Winfieldia hilli Romer.

Romer, A. S. 1925 A, 174, 183, figs. 1-3.
Permian (Wichita); Kansas.

DIOPEUS Cope. Type *D. leptocephalus* Cope.

Cope, E. D. 1892 Z, 11.
Hay, O. P. 1902 A, 431 (Clepsydrops, in part).
Case, E. C. 1903 A, 86, 98.
1907 E, 22 (Syn. of Theropleura).
Huene, F. 1925 I, 239.
1926 I, 52.
Nopcsa, F. 1923 H, 53, 58, 170 (Diopeus, Diopæus).
1928 A, 171 (Diopæus).
Watson, D. M. S. 1916 D, 643.
1917 C, 174 (Deiopeus).
1921 B, 70, 72 (Deiopeus).
Williston, S. W. 1916 A, 179 (Diopæus).
1925 B, 233.
Zittel and Broili 1911 A, 194 (Diopeus; syn. of Theropleura).
1923 A, 233 (Diopæus).

Diopeus leptocephalus Cope.

Hay, O. P. 1902 A, 431 (Clepsydrops).
Beede, J. W. 1907 A, 119 (Clepsydrops).
Camp, C. L. 1923 A, 349.
Case, E. C. 1900 A, 720 (Clepsydrops).
1903 A, 88, figs. 1-3.
1907 E, 26, 81 (Syn. of Theropleura retroversa).
Cummins, W. F. 1908 A, 742 (Clepsydrops).
Gill, T. 1886 C, 809 (Clepsydrops leptoupbalus).
Huene, F. 1925 I, 239, text-fig. 14.
Watson, D. M. S. 1916 C, 625, 651, figs. 9-11 (To Theropleura).
1919 A, 298, fig. 15 (Deiopeus).
1921 A, 431 (Deiopeus).
Williston, S. W. 1916 A, 179 (Diopæus).
A doubtful species.
Permian (Wichita); Texas.

ELCABROSAURUS Case. Type *E. baldwini* Case.

Case, E. C. 1907 E, 28, 73.
1915 A, 138.
Nopcsa, F. 1923 H, 54.
Williston, S. W. 1911 B, 80.
1911 D, 379 (Elcabrosaurus, Elcobrosaurus).
1915 C, 559 (Elcobresaurus).
A genus of uncertain affinities.

Elcabrosaurus baldwini Case.

Case, E. C. 1907 E, 28, 89, pl. iv, figs. 1-5.
1915 A, 98.

Williston and Case 1913 A, 6 (Elcobresaurus).
Permian; New Mexico.

Suborder SPHENACODONTIFORMES, new name.

Unless otherwise indicated the authors, as cited, use for this group the name Pelycosauria.

Hay, O. P. 1902 A, 430.
Abel, O. 1908 D, (217).
1909 F, 455.
1912 F, 691 ("pelycosaurier").
1919 A, 352.
1920 A, 361.
Ameghino, F. 1889 A, 1021.
1893 E, 731 ("pélycosauriens").
Arldt, T. 1908 A, 570 ("pelycosaurier").
Bardeleben, K. 1901 A, 37 ("pelycosaurier").
Baur, G. 1886 O, 174.
1887 H, 55.
1894 B, 354.
Boas, J. E. V. 1914 B, 557 ("pelycosaurier").
1914 C, 262 ("pelycosaurier").
Boulenger, G. A. 1903 A, 357.
1904 C, 480.
1917 C, 459 ("pélycosauriens").
Brauns, D. 1890 A, 162 ("pelycosaurier").
Broili, F. 1904 A, 67 ("pelycosaurier"); 69, 101 (Syn. of Theriodontia).
1904 C, 273 ("pelycosaurier").
1904 D, 585 ("pelycosaurier").
1905 A, 16 ("pelycosaurier").
1917 A, 564.
1924 A, 11 ("pelycosaurier").
Broom, R. 1897 C, 279 (Theromora, in part).
1901 A, 188.
1902 D, 554.
1903 D, 286, 289, 291.
1903 E, 136 ("pelycosaurians").
1903 I, 554.
1906 B, 559.
1906 C, 438 ("pelycosaurs").
1907 A, 37.
1908 A, 1049.
1909 B, 166.
1910 A, 220, 228.
1910 C, 473.
1911 A, 917 ("pelycosaurians").
1912 B, 421.
1913 G, 335.
1913 I, 355.
1913 K, 12.
1913 L, 31 ("pelycosaurs").
1913 P, 226-228 ("pelycosaurians").
1914 C, 135 ("pelycosaurs").
1914 E, 143 ("pelycosaurs").
1914 G, 303 ("pelycosaurs").
1915 C, 9.
1921 A, 148 ("pelycosaurs").
Broom and Haughton 1913 B, 30 ("pelycosaurs").
Case, E. C. 1899 C, 622.
1902 A, 47, pl. ix, figs. 3-5; pl. x, figs. 6, 7 ("pelycosaurian").
1902 C, 258.
1903 A, 85, 86.
1903 B, 6, fig. 2.
Case, E. C. 1904 A, 304.
1904 C, 253.
1905 C, 6.
1907 E, 5, 17, 71, 157.
1908 B, 240.
1908 D, 565 ("pelycosaurs").
1908 E, 255.
1909 B, 979.
1910 C, 195.
1911 A, 116.
1912 A, 203.
1915 A, 98, 122.
1923 A, 517.
1924 B, 9.
1926 B, 193 (Pelycosauria).
Cummins, W. F. 1908 A, 745.
Dollo, L. 1885 C, 301.
Frassetto, F. 1915 A, 19.
Fuchs, H. 1906 A, 13, 51, 73 ("pelycosaurier").
1907 A, 149.
1911 B.
Geol. Mag. 1912 A, 520.
Gill, T. 1886 C, 809.
Goodrich, E. S. 1916 A, 263, 267.
Gregory, W. K. 1910 A, 115.
1913 E, 14, 39 ("pelycosaurs").
1920 A, 230.
1922 A, 543.
1926 A, 184, 243, 245.
Hanson, F. B. 1920 B, 337.
Haughton, S. H. 1918 A, 214.
Hay, O. P. 1912 C, 562.
Heilmann, G. 1926 A, 85.
Hilzheimer, M. 1913 A, 513 ("theromoren," in part).
Hoffmann, C. K. 1890 B, 1301.
Howes and Swinnerton 1901 A, 32.
Huene, F. 1905 A, 321 ("pelycosaurier").
1908 A, 431 ("pelycosaurier").
1908 B, 387 ("pelycosaurier").
1910 B, 39, 51 ("pelycosaurier").
1910 D, 313 ("pelycosaurier").
1911 D, 29, 55, 58.
1913 B, 377, 378.
1914 E, 499 ("pelycosaurier").
1914 G, pl. vii.
1920 B, 208 ("pelycosaurier").
1921 A, 232 ("pelycosaurier").
1922 B, 75 ("pelycosaurier").
1923 D, 269 ("pelycosaurier").
1925 D, 229, 238.
1926 A, 260.
1927 E, 322.
Jaekel, O. 1905 A, 192 ("pelycosaurier").
1910 B, 527.
Kingsley, J. S. 1901 A, 193 ("theriomorphs").
Koken, E. 1898 C, 328.
Lambe, L. M. 1912 A, 6.
Lydekker, R. 1912 C, 4, 26.
Matthew, W. D. 1908 B, 184.
1908 D, 816.

Merriam, J. C. 1908 C, 57.
Moodie, R. L. 1911 E, 250.
Noack, T. 1880 A, 76 ("eidechsen").
Nopcsa, F. 1922 A, 109, 110, 116, 117.
1923 E, 1049 ("pelycosaurians").
1923 H, 3-187, tab.
1926 A, 636, 638.
1928 A, 171 (Dimetrodontoidea).
Osborn, H. F. 1898 U, 686.
1899 J, 415 (Theromora, in part).
1903 H, 453, 456, 467, 474.
1904 H, 110.
1905 C, 295.
1905 N, 238.
Pinkus, F. 1904 A, 162.
Rabl, C. 1903 A, 172 ("pelycosaurier").
Romer, A. S. 1922 B, 519, 523, 588.
1924 C, 98 ("pelycosaurs").
1925 B, 460.
Schuchert, C. 1915 A, 809.
Sewertzoff, A. N. 1908 A.
Sixta, V. 1905 A, 671.
Stappenbeck, R. 1905 A, 388, 427 (Pelycosauria); 427 (Theromora, in part).
Steiner, H. 1922 A, 339, 341, fig. 5.
Steinmann, G. 1908 A, 210 ("pelycosaurier").
Stromer, E. 1912 A, 106 (Theromora, in part).
Sushkin, P. P. 1925 A, 180.
Thevenin, A. 1910 A, 53 ("pélycosauriens").
Thyng, F. W. 1906 A, 53, fig. K.
Tornier, G. 1913 B, 340, 374.
Versluys, J. 1912 B, 548, 550, 660, 687.
1919 A, 6, 8.
Wamich, P. 1913 A, 23 ("pelycosaurier").
Watson, D. M. S. 1912 B, 574.
1913 A, 74.
1914 A, 306 ("pelycosaurs").
1914 F, 776.
1917 B, 50, 53.
1917 C, 173, 184.
1921 B, 65, 75, 96, 98.
Wegner, R. N. 1922 A, 471.
Williston, S. W. 1908 B, 400.
1908 I, 628.
1909 A, 393, 395 ("pelycosaurs").
1910 B, 69.
1911 C, 631.
1911 F, 661.
1912 B, 639, 649.
1914 A, 16, 45.
1914 C, 66.
1914 D, 400.
1914 E, 121.
1916 B, 195, 197, 198 (Pelycosauria); 196 (Theromora, in part).
1917 B, 195, 197, 198.
1917 C, 414.
1925 B, 211, 233.
Zittel and Broili 1911 A, 193.
1923 A, 217, 231.
Zittel, Eastman, etc. 1902 A, 148.

SPHENACODONTIDÆ Marsh.

Unless otherwise indicated, the authors, as cited, use for this family the name Clepsydropidæ. Sphenacodontidæ has priority.
Marsh, O. C. 1878 C, 410 (Sphenacodontidæ).
Hay, O. P. 1902 A, 431.
Abel, O. 1919 A, 356 (Sphenacodontidæ).
Arldt, T. 1912 A, 656, 662.
Broili, F. 1904 A, 80, 101.
Broili and Fischer 1917 A, 412.
Case, E. C. 1903 B, 1.
1907 E, 36, 71 (Clepsydropidæ); 37, 72, 73 (Clepsydropinæ).
1908 C, 576, 578.
1915 A, 98, 102, 122.
1926 B, 193 (Sphenacodontidæ).
Case and Williston 1913 C, 70.
Cope, E. D. 1884 I, 38.
Hay, O. P. 1912 C, 562.
Huene, F. 1902 A, 69.
1925 I, 245.
Jaekel, O. 1905 A, 192 ("naosauriden").
Lydekker, R. 1912 C, 110.
Nopcsa, F. 1922 A, 109 ("sphenacodontiden").
1923 H, 60, 68, 99, 123, 151 (Clepsydropidæ, with subfams. Clepsydropinæ, Dimetrodontinæ, Sphenacodontinæ).
1928 A, 171 (Sphenacodontinæ, Clepsydropinæ).
Osborn, H. F. 1903 D, 468.
Romer, A. S. 1922 B, 590.
Watson, D. M. S. 1917 C, 174.
Williston, S. W. 1910 F, 592.
1911 B, 71, 72 (Sphenacodontidæ).
1912 B, 649.
1915 C, 588 (Sphenacodontidæ).
1916 B, 224 (Sphenacodontidæ).
Zierler, F. E. 1905 A, 512 ("clepsydropiden").
Zittel and Broili 1911 A, 194.
1923 A, 233.
Zittel, Eastman, etc. 1902 A, 148.

SPHENACODON Marsh. Type *S. ferox* Marsh.

Hay, O. P. 1902 A, 434.
Abel, O. 1919 A, 356.
Brauns, D. 1890 A, 152.
Case, E. C. 1915 A, 140.
Eastman, C. R. 1913 B, 678.
Gregory, W. K. 1920 A, 122, 230, fig. 39.
Hay, O. P. 1912 C, 562.
Huene, F. 1925 I, 221.
Matthew, W. D. 1908 D, 818.
Nopcsa, F. 1923 E, 1053.
1923 H, 52-54.
Romer, A. S. 1928 C, 257, 258.
Watson, D. M. S. 1917 C, 174.
Wegner, R. N. 1922 A, 456, 471, fig. 36.
Williston, S. W. 1911 B, 21, 78, pl. xxxv, fig. 5; pl. xxxvii, fig. 3 (Sphenacodon or Ophiacodon).
1911 D, 379.
1914 D, 386.
1915 A, 578.
1915 C, 558.
1916 B, 225, fig. 71.
1917 B, 650.
1917 C, 416.
1918 B, 91, 104, pl. iv; text-figs. 15, 17, 18.

Williston, S. W. 1925 A, 47, 101, figs. 33, 79.
1925 B, 228, fig. 164*b*.
Zittel and Broili 1923 A, 235.

Sphenacodon ferox Marsh.

Hay, O. P. 1902 A, 434.
Brauns, D. 1890 A, 152.
Broom, R. 1914 C, 141, fig. 7.
Case, E. C. 1907 E, 66.
1915 A, 98.
Case and Williston 1913 C, 61, figs. 38-45.
Huene, F. 1925 I, 236, text-fig. 8.
Watson, D. M. S. 1921 B, 71, fig. 21.
Williston, S. W. 1911 B, 78, pl. xxxiv, figs. 1, 2; pl. xxxvii, fig. 2.
1917 B, 650, fig. 1.
Williston and Case 1913 A, 6.
Permian; New Mexico.

Sphenacodon sp. indet.

Case, E. C. 1916 B, 709. Permo-Carboniferous; New Mexico.

Clepsydrops Cope. Type *C. collettii* Cope.

Hay, O. P. 1902 A, 431.
Abel, O. 1919 A, 356.
Arldt, T. 1908 A, 570.
Beede, J. W. 1922 A, 681.
Broili, F. 1904 A, 80, 101.
Broom, R. 1903 D, 286.
Case, E. C. 1898 C, 624.
1907 E, 21, 37, 73, pl. v, figs. 9, 10; pl. vii, figs. 4, 5, 9-13, 18, 19; pl. xxxiii, fig. 14.
1908 C, 576.
1908 D, 560, fig. 3.
1915 A, 107, 111, 140.
Cope, E. D. 1878 LL, 482.
1880 U, 144, 162.
Cummins, W. F. 1908 A, 745.
Douthitt, H. 1917 A, 239.
Gadow, H. 1901 B, 308.
Hay, O. P. 1912 C, 562.
Heilprin, A. 1887 A, 154.
Huene, F. 1914 E, 499.
1919 A, 180.
1925 I, 245.
Kingsley, J. S. 1900 A, 254.
Koken, E. 1898 C, 328.
Lydekker, R. 1912 C, 110.
Matthew, W. D. 1908 B, 185.
Nopcsa, F. 1923 H, 52, 53, 70-82, 85.
Osborn, H. F. 1903 D, 476.
1917 B, 188.
Perrier, E. 1920 A, 308.
Romer, A. S. 1925 A, 180.
1927 B, 682.
Schuchert, C. 1910 A, 570.
Thevenin, A. 1910 A, 56.
Watson, D. M. S. 1917 C, 174.
Williston, S. W. 1911 B, 72, pl. xxx, figs. 1-5, 10, 11?; pls. xxxi, xxxii, figs. 1, 9?.
1915 A, 578.
1915 C, 558.
1916 B, 225.
1925 B, 233.
Zittel and Broili 1911 A, 194.
1923 A, 233.
Zittel, Eastman, etc. 1902 A, 148.

Clepsydrops collettii Cope.

Hay, O. P. 1902 A, 431.
Case, E. C. 1900 A, 711, pl. ii, figs. 1-3.
1907 E, 37, 40, pl. vii, figs. 1-3, 6-8.
Dames, W. 1899 C, 366.
Romer, A. S. 1925 A, 181.
Williston, S. W. 1897 K, 395.
Permian; Illinois.

Clepysdrops natalis Cope.

Hay, O. P. 1902 A, 431.
Beede, J. W. 1907 A, 118.
Case, E. C. 1903 A, 92, figs. 6, 7.
1907 E, 42, 90, 96, pl. iv, figs. 7, 8; pl. v, figs. 1-5, 7; pl. vi; text-fig. 26*a*.
1915 A, 98, 140, 157, text-fig. 27.
Cope, E. D. 1878 LL, 482.
Cummins, W. F. 1908 A, 743.
Huene, F. 1911 D, 36, fig. 42.
Thevenin, A. 1910 A, 58, fig. 33.
Williston, S. W. 1910 F, 586.
1911 B, 72, 73.
Pennsylvanian (Upper); Illinois: Permian (Wichita, Clear Fork); Texas: (Garrison?); Kansas.

Clepsydrops pedunculatus Cope.

Hay, O. P. 1902 A, 432.
Case, E. C. 1900 A, 713, pl. ii, figs. 4, 5.
1907 E, 41, pl. vii, figs. 14, 15.
Cope and Matthew 1915 A, pl. iii, fig. 26 (This species?).
Permian; Illinois.

Clepsydrops vinslovii Cope.

Hay, O. P. 1902 A, 432.
Case, E. C. 1900 A, 714, pl. ii, fig. 7.
1907 E, 42, pl. vii, figs. 16, 17.
Permian; Illinois.

Clepsydrops sp. indet.

Phillips, W. B. 1912 A, 41 (Clepshydrops).
Permian (Wichita); Texas.

Dimetrodon Cope. Type *D. incisivus* Cope.

Hay, O. P. 1902 A, 432.
Abel, O. 1919 A, 356.
Ameghino, F. 1909 A, 49, fig. 33.
Anonymous 1905 F, 7, fig. 2.
1912 A, 519.
Arldt, T. 1908 A, 570.
Beede, J. W. 1922 A, 681.
Boas, J. E. V. 1914 C, 262.
Broili, F. 1904 A, 62, 102.
Broili, F. 1904 C, 270.
1926 C, 36, fig. 10 (Naosaurus).
Broom, R. 1901 A, 183.
1903 D, 286, 291.
1906 B, 594.
1908 A, 1056.
1910 A, 224, fig. 20.
1910 C, 473.
1913 K, 12.

Broom, R. 1914 C, 136, 137, figs. 3, 4, 5.
1915 C, 9.
1922 B, 458.
Case, E. C. 1897 C, 594.
1898 C, 623.
1902 A, 48.
1902 C, 258.
1903 B, 3.
1903 C, 398.
1904 A, 304.
1904 B, 312, fig. 1.
1905 C, 5.
1907 E, 43, 74, 95, pl. xiv, fig. 8; pl. xv, figs. 1, 4; pl. xxvii, figs. 11-13; pl. xxxiii, figs. 6, 10, 15; text-figs. 25, 41.
1908 D, 560, figs. 4-6.
1914 B, 117.
1914 C, 213, fig. 4.
1915 A, 107, 108, 111-113, 115, 141.
1919 B, 200.
1924 B, 7.
Case and Williston 1913 C, 62, 68.
Cummins, W. F. 1908 A, 745.
Fejérváry, G. J. 1921 C, 9.
Fuchs, H. 1906 A, 13, 73.
1909 B, 130.
1911 B, 377, fig. 10.
Gadow, H. 1901 B, 308.
Geol. Mag. 1912 A, 519.
Gilmore, C. W. 1918 B, 58 ("Dimetrodon").
1919 B, 20.
1919 D, 525.
1920 C, 278.
1926 A, 29.
Gregory, W. K. 1913 E, 28.
1915 D, 375, fig. 15.
1920 B, 230.
1926 A, 206.
Gregory and Camp 1918 A, 522.
Hanson, F. B. 1920 B, 336, 337.
Haughton, S. H. 1918 A, 205, 214.
Heilprin, A. 1887 A, 154.
Heim, A. 1905 A, 194.
Hoffmann, C. K. 1890 B, 1302.
Huene, F. 1902 A, 35.
1905 A, 338, fig. 34.
1911 D, 30, fig. 31.
1913 B, 356, 378.
1913 D, 519, figs. 1-4.
1919 A, 178.
1925 I, 221.
1926 I, 52 (Dimetrodon); 55 (Naosaurus).
Jaekel, O. 1905 A, 193, fig. 1.
1910 B, 526.
1910 C, 332.
1911 A, 144, fig. 157 (Embolophorus).
Kingsley, J. S. 1925 A, 144, 253, figs. 153, 268 (Dimetrodon); 45, fig. 51 (Naosaurus).
Koken, E. 1898 C, 328.
Lakjer, T. 1927 A, 317.
Lankester, E. R. 1905 A, 210, fig. 152.
Lydekker, R. 1915 A, 237.
1915 C, 635.
Matthew, W. D. 1907 E, 36, figs. 1, 2 ("Naosaurus").
1908 B, 184.
1908 D, 817, 818.
Matthew, W. D. 1909 G, 91, fig. 1.
1923 C, 404.
Miner, R. W. 1925 A, 183, fig. 20.
Moodie, R. L. 1912 E, 34.
1917 B, 382, fig. 5.
1918 C, 267, fig. 7.
1921 A, 333 (This genus?).
1923 B, 116, pls. xiv, xv.
1926 A, 67, 84, 94, pl. xii; text-fig. 6.
Nopcsa, F. 1923 E, 1053.
1923 H, 12, 51-55, 58, 59, 70, 85, 90, 153, 170, pl. ii, fig. 2.
1926 A, 636, 639; text-fig. 3.
Osborn, H. F. 1903 D, 476, fig. 13.
1907 D, 265.
1917 B, 188, 189, fig.
1918 D, 685.
Perrier, E. 1920 A, 308.
Pompeckj, J. F. 1925 A, 17.
Reynolds, S. H. 1897 A, 276.
Rogers, A. F. 1924 A, 546, pl. xxix, fig. 1 (Naosaurus).
Romer, A. S. 1922 A, 40, fig. 1.
1922 B, *passim*, pls. xxviia-xxx; xxxii; xxxv; xxxvi; xxxviiia-xlvi; text-figs. 2, 3, 6, 7.
1923 C, 605, 608, fig. 2.
1924 C, 98.
1926 A, 59.
1927 B, 673, figs. 6-9.
1927 C, 231, fig. 1.
1928 C, 257.
Schuchert, C. 1910 A, 570.
Schuchert and Levene 1927 A, 292, fig.
Sewertzoff, A. N. 1908 A, 251, fig. 23.
Sixta, V. 1905 A, 675.
Stappenbeck, R. 1905 A, 388.
Steiner, H. 1921 A, 537.
Sternberg, C. H. 1903 E, 96.
1909 C, 217.
Stromer, E. 1915 B, 20.
Thevenin, A. 1909 A, 1225.
1910 A, 55.
Thyng, F. W. 1906 A, 54, fig. L.
Tornier, G. 1913 B, 341, fig. 10.
Versluys, J. 1910 B, 200.
1912 A, 499.
1912 B, 550, 585, fig. 2.
Watson, D. M. S. 1912 B, 574, fig. 1.
1913 A, 74.
1914 A, 306.
1914 B, 85.
1914 D, 178.
1914 F, 777.
1914 H, 1014.
1914 J, 1026, fig. 4.
1916 A, 317, 343.
1916 D, 645.
1917 B, 11, fig. 4.
1917 C, 174, 184.
1919 A, 298, fig. 15.
1921 B, 65, 70, 73, 75, 91.
Wegner, R. N. 1922 A, 464.
Williston, S. W. 1904 B, 177, text-fig 5.
1908 A, 148.
1910 A, 267.
1910 B, 75.

Williston, S. W. 1910 F, 586.
1911 B, 54, 76.
1911 D, 379.
1911 F, 662, 663.
1914 A, 36, figs. 19, 28.
1914 C, 67.
1914 D, 386, 414, 415, fig. 14.
1915 A, 578.
1915 C, 556, 558, figs. 3, 4.
1916 A, 173.
1916 B, 224, figs. 66-70.
1917 B, 650.
1917 C, 415.
1918 A, 76, figs. 1, 3.
1918 B, 95, fig. 16.
1925 A, 25, 98, 101, 102, 104, 112, 133, figs. 11, 76, 79, 106, 114 (Dimetrodon); 158, fig. 129 (Naosaurus).
1925 B, 229, 230, 233, figs. 165, 166 (Dimetrodon); 233 (Naosaurus).
Williston and Case 1913 B, 42.
1913 D, 80, 81.
Woodward, A. S. 1922 C, 27.
Zittel and Broili 1911 A, 194.
1923 A, 234.
Zittel, Eastman, etc. 1902 A, 148.

Dimetrodon dollovianus (Cope).

Hay, O. P. 1902 A, 433 (Embolophorus).
Beede, J. W. 1907 A, 119 (Embolophorus).
Broili, F. 1904 A, 89, pl. vii, fig. 2 (Embolophorus).
1904 C, 273 (Embolophorus).
Case, E. C. 1902 B, 67 (Embolophorus. This species?).
1903 B, 1, figs. 1, 3-22 (Embolophorus).
1903 C, 398, fig. 4 (Embolophorus).
1905 C, 6.
1907 E, 51, 75, 96, 128, pl. xvi, figs. 8-10; pl. xxiii, figs. 1, 2; pl. xxiv, fig. 1; text-figs. 35, 39, 40, 54, 56.
1915 A, 98.
Cummins, W. F. 1908 A, 740, 741, 743.
Gadow, H. 1896 A, 41, fig. 39 (Embolophorus dolloverianus).
Huene, F. 1905 A, 337, figs. 21, 23, 24, 29, 45, 46 (Embolophorus).
1911 D, 35.
Romer, A. S. 1927 B, 674, figs. 1-5 (This species?).
Sewertzoff, A. N. 1908 A, 251, 293 (Embolophorus).
Stappenbeck, R. 1905 A, 388, 420 (Embolophorus).
Zittel and Broili 1923 A, 234, fig. 334.
Permian (Wichita, Clear Fork); Texas.

Dimetrodon giganhomogenes Case.

Case, E. C. 1907 E, 47, 74, 123, pl. xxi, fig. 9; pl. xxii; pl. xxiv, fig. 2; text-figs. 14, 36, 51-53.
1915 A, 98.
Case and Williston 1913 C, 67.
Cummins, W. F. 1908 A, 740, 744.
Permian (Clear Fork); Texas.

Dimetrodon gigas Cope.

Hay, O. P. 1902 A, 432.
Bassler, R. S. 1919 A, 61.
Beede, J. W. 1907 A, 118.
Broili, F. 1904 A, 91.
Broili, F. 1912 A, 153.
Case, E. C. 1904 A, 304, figs. 1-5.
1904 C, 253 ("pelycosaur").
1905 C, 6, pls. ii, iv; pl. vi, fig. 2; pl. vii; text-figs. 3-5.
1907 E, 46, 47, 74, 96, 116, pls. xvii-xix; pl. xxi, figs. 1-8; text-figs. 14, 30, 31, 34, 37, 42-50.
1915 A, 98.
1915 C, 475, figs. 3-5.
1924 B, 7, figs. 1-4.
Cummins, W. F. 1908 A, 740-743.
Gaupp, E. 1911 D, 641.
Gilmore, C. W. 1919 B, 20, figs. 2, 3.
1919 D, 525, pls. lxx-lxxiii; text-figs. 1-8.
1920 C, 278.
1921 F, 66 ("Dimetrodon").
Gregory and Camp 1918 A, pl. xlviii.
Huene, F. 1905 A, 345, fig. 37.
1909 F, 585, fig. 3.
1911 D, 30, figs. 30, 32, 37.
Joleaud, L. 1920 A, 492, fig. 7.
Romer, A. S. 1927 B, 683.
Steiner, H. 1922 A, 341.
Tornier, G. 1913 B, 343, fig. 12.
Versluys, J. 1912 B, 661, figs. t^2, u^2.
Watson, D. M. S. 1921 B, 71, fig. 21.
Wegner, R. N. 1922 A, 471.
Woodward, A. S. 1920 A, 118, fig. 1.
Zittel and Broili 1911 A, 195, fig. 327.
1923 A, 234, fig. 336.
Permian (Wichita?, Clear Fork); Texas: (Enid); Oklahoma.

Dimetrodon incisivus Cope.

Hay, O. P. 1902 A, 431 (Clepsydrops limbatus); 432 (Dimetrodon incisivus; D. rectiformis; D. semiradicatus).
Abel, O. 1912 F, 387, fig. 274.
1919 A, 357, figs. 275, 276, 278.
1920 A, 361.
1921 A, 304, fig. 117.
Ballou, W. 1897 A, 16, fig. 13.
Beede, J. W. 1907 A, 118 (D. incisivus, D. rectiformis); 120 (D. semiradicatus).
Broili, F. 1904 A, 91, 94, pl. xiii, fig. 4.
1904 C, 273, pl. xvii, figs. 1-3.
Broom, R. 1910 A, 225, fig. 19.
1913 G, 337, pl.
Case, E. C. 1897 C, 594.
1903 A, 94, fig. 8.
1904 A, 304, fig. 6.
1904 B, 312.
1905 C, 6, pls. i, iii; pl. v, fig. 1; pl. vi, fig. 1 (This species?); pl. v, figs. 2-7; text-figs. 1, 2.
1907 E, 39, 47, 75, 127, pls. viii-xii; pl. xiii, figs. 2, 3; pl. xiv, figs. 1-7, 9; pl. xv, figs. 2, 3, 5; pl. xvi, figs. 1-7; pl. xx; pl. xxiii, fig. 3; pl. xxvi, fig. 6; pl. xxxiii, figs. 1, 9; text-figs. 4, 27-29, 32, 33, 38, 41, 57; 40, 127 (Clepsydrops limbatus a syn.).
1910 C, 190, pls. xv-xix; text-figs. 1-4.
1915 A, 98, 141, 142, 157, text-fig. 28.
1915 C, 474, figs. 1, 2, 6.
1916 A, 18 ("Dimetrodon").
1924 B, 7, fig. 5.

Cope and Matthew 1915 A, xxii.
Cummins, W. F. 1908 A, 740, 741 (D. incisivus); 743 (Clepsydrops limbatus).
Gilmore, C. W. 1919 B, 20.
1919 D, 532.
Gregory, W. K. 1922 A, 14, fig. 8.
Huene, F. 1911 D, 29, figs. 34-36, 38, 39, 41.
1913 B, 356, figs. 42-47.
1919 A, 178, pl. vi.
Lakjer, T. 1927 A, 316, fig. 123.
Matthew, W. D. 1908 D, 818 (D. incisivus. Clepsydrops limbatus).
Stappenbeck, R. 1905 A, 388.
Stromer, E. 1912 A, 117, fig. 115.
Sushkin, P. P. 1927 A, 297, 308, figs. 27, 28, 38.
Thevenin, H. 1910 A, 56.
Versluys, J. 1910 B, 200.
1912 B, 551, figs. f, u.
1919 A, 9, fig. 7.
Williston, S. W. 1910 F, 596, text-fig. 3.
1911 B, 76, text-fig. 24.
1914 D, 413, fig. 13.
1925 A, 30, fig. 16.
Woodward, H. 1904 B, 142.
Zittel and Broili 1911 A, 195, fig. 326.
1923 A, 234, fig. 335.
Permian (Wichita, Clear Fork); Texas: (Enid); Oklahoma.

Dimetrodon longiramus Case.

Case, E. C. 1907 E, 56, 57, 75, text-figs. 15, 16.
1915 A, 99, pl. xxii, fig. 11.
Cummins, W. F. 1908 A, 741.
Permian (Wichita); Texas.

Dimetrodon macrospondylus (Cope).

Hay, O. P. 1902 A, 431 (Clepsydrops).
Abel, O. 1919 A, 359, fig. 277.
Beede, J. W. 1907 A, 119 (Clepsydrops).
Case, E. C. 1907 E, 47, 52, 75, 131, pl. xxv, figs. 1, 3-5; pl. xxvi; text-figs. 14, 58, 59.
1915 A, 99.
Cummins, W. F. 1908 A, 741.
Huene, F. 1911 D, 35.
Permian (Wichita); Texas.

Dimetrodon obtusidens (Cope).

Hay, O. P. 1902 A, 433 (Theropleura).
Beede, J. W. 1907 A, 119 (Theropleura).
Case, E. C. 1907 E, 54, 75, 134, pl. xxv, figs. 2, 6; pl. xxxiii, figs. 2, 11; text-figs. 60, 61.
1915 A, 99.
Permian (Wichita, Clear Fork?); Texas.

Dimetrodon platycentrus Case.

Case, E. C. 1907 E, 54, 75, 134.
1915 A, 99.
Cummins, W. F. 1908 A, 741.
Permian (Wichita); Texas.

Dimetrodon sp. indet.

Phillips, W. B. 1912 A, 41. Permian (Wichita); Texas.
Romer, A. S. 1927 A, 232. Permian; Texas.
Watson, D. M. S. 1919 A, 298, fig. 15.
Wegeman, C. H. 1915 A, 25, 26. Permian (Wichita); Oklahoma.

TETRACERATOPS Matthew. Type *T. insignis* Matthew.

Matthew, W. D. 1908 B, 183.
Abel, O. 1912 F, 576.
Broili and Fischer 1917 A, 413.
Huene, F. 1925 I, 246.
Lull, R. S. 1909 B, 93.
Nopcsa, F. 1923 H, 52, 169, 170, 188.
1928 A, 171.
Watson, D. M. S. 1917 C, 174.
Williston, S. W. 1915 A, 576.
1916 B, 225, 234.
1925 A, 9.
1925 B, 233.

Zittel and Broili 1911 A, 196.
1923 A, 235.

Tetraceratops insignis Matthew.

Matthew, W. D. 1908 B, 183, fig. 1.
Abel, O. 1912 F, 577, fig. 447.
1919 A, 361, fig. 279.
Case, E. C. 1915 A, 99.
Huene, F. 1925 I, 246, text-fig. 24.
Lydekker, R. 1909 C, 467.
Permian (Clear Fork?, Wichita?); Texas.

BATHYGNATHUS Leidy. Type *B. borealis* Leidy.

Hay, O. P. 1902 A, 491.
Brauns, D. 1890 A, 162.
Case, E. C. 1905 D, 52.
Heilprin, A. 1887 A, 160.
Huene, F. 1905 A, 343.
1914 G, 20, 21.
1925 I, 241.
Huxley, T. H. 1869 K, 146.
1870 G, 479.
1870 H, 507.
1870 I, 23.
Nopcsa, F. 1901 A, 250.
1923 H, 52.
1928 A, 171.
Watson, D. M. S. 1917 C, 175.
Williston, S. W. 1916 B, 235.
1925 B, 233.

Zittel and Broili 1911 A, 196.

Bathygnathus borealis Leidy.

Hay, O. P. 1902 A, 491.
Case, E. C. 1905 D, 52.
1907 E, 63.
1915 A, 86, 99.
Ells, R. W. 1906 A, 370.
Giebel, C. G. 1855 C, 139.
Huene, F. 1906 B, 101.
Jäger, G. 1856 A, 959 (Pachygnathus).
Lambe, L. M. 1904 C, 14, 20, 36, 48.
1912 A, 6.
Ruschenberger and Tryon 1879 A, 13.
Watson, L. W. 1912 A, 146-148.
Permian? or Triassic?; Prince Edward Island.

Suborder EDAPHOSAURIFORMES, new name.

Case, E. C. 1915 A, 99, 122, 142 (Edaphosauria).
Huene, F. 1925 D, 229 (Edaphosauria).
Jaekel, O. 1910 B, 527 (Naosauri).
1910 C, 332 (Naosauri).
1911 A, 144 (Naosauri).
Nopcsa, F. 1922 A, 109 ("edaphosaurier").
1923 H, 60, tab., pl. ii, fig. 3 (Edaphosauria); 123 (Edaphosauroidea).
1928 A, 172 (Edaphosauroidea).
Williston, S. W. 1916 B, 195 (Edaphosauria).
1925 B, 233 (Edaphosauria).

EDAPHOSAURIDÆ Cope.

Cope, E. D. 1882 B, 450.
Hay, O. P. 1902 A, 431 (Clepsydropidæ).
Abel, O. 1919 A, 367.
Arldt, T. 1908 A, 570 ("edaphosauriden," "naosauriden").
1912 A, 656.
Case, E. C. 1906 A, 19.
1907 E, 68, 72 (Edaphosauridæ); 58, 72, 74, 138 (Naosaurinæ).
1908 C, 578 (Naosauridæ).
1915 A, 99, 102, 122.
1923 A, 517.
1926 B, 193.
Huene, F. 1925 I, 245.
Nopcsa, F. 1923 H, 60, 123, 151, 170, 188.
1928 A, 172.
Romer, A. S. 1922 B, 590.
Watson, D. M. S. 1917 C, 174.
Williston, S. W. 1911 B, 71.
1911 C, 631.
1912 B, 649.
1915 C, 559.
1916 B, 230.
1918 B, 99.
1925 A, 46.
1925 B, 230.
Williston and Case 1913 D, 71.
Zittel and Broili 1911 A, 194 (Clepsydropidæ).
1923 A, 235.

EDAPHOSAURUS Cope. Type *E. pogonias* Cope.

Hay, O. P. 1902 A, 432 (Naosaurus); 433 (Edaphosaurus).
Abel, O. 1908 D (217), (Naosaurus).
1919 A, 370 (Edaphosaurus); 904 (Naosaurus).
1920 A, 362 (Naosaurus).
Anonymous 1907 B, 36, figs. 1, 2 (Naosaurus).
1912 A, 519.
Beasley, W. L. 1907 A, 368, 5 figs. (Naosaurus).
Boas, J. E. V. 1914 C, 262, fig. 39.
Branson, E. B. 1911 A, 137.
Broili, F. 1904 A, 102 (Edaphosaurus, Naosaurus).
1908 F, 61 (Naosaurus).
1911 A, 132 (Naosaurus).
1924 A, 11.
Broom, R. 1903 D, 291 (Naosaurus).
1910 A, 221.
1913 K, 12.
1914 C, 137.
Case, E. C. 1898 C, 624 (Naosaurus).
1902 B, 63, 66 (Naosaurus).
1904 A, 304 (Naosaurus).
1906 A, 19.
1907 E, 69, 144, 155, text-fig. 65 (Edaphosaurus); 58, 75, 138, 145, pl. xxx, fig. 3; pl. xxxiii, figs. 4, 7 (Naosaurus).
1908 B, 238 (Naosaurus).
1908 C, 580 (Naosaurus).
1908 D, 561, figs. 7-10 (Naosaurus).
1914 B, 117 (Edaphosaurus, Naosaurus).
1914 C, 213, fig. 3.
1915 A, 11, 112, 115, 122, 142.
1915 D, 797 [E. (Naosaurus)].
1918 A, 502.
1918 B, 1.
1919 B, 271.
1926 B, 193.
Cummins, W. F. 1908 A, 745 (Edaphosaurus, Naosaurus).
Depéret, C. 1912 A, 704 (Naosaurus).
Douthitt, H. 1917 A, 239.
Drevermann, F. 1915 A, 405 (Edaphosaurus, Naosaurus).
Gadow, H. 1901 B, 308 (Naosaurus).
Geol. Mag. 1912 A, 519.
Gilmore, C. W. 1926 A, 29.
Gregory, W. K. 1920 A, 122, 230, fig. 37 (Naosaurus); 230 (Edaphosaurus).
Heim, A. 1905 A, 194 (Naosaurus).
Huene, F. 1905 A, 337 (Naosaurus).
1908 A, 433 (Naosaurus).
1913 B, 363, 377.
1919 A, 178 (Naosaurus a syn.).
1922 G, 451.
1925 I, 223.
1926 I, 55.
Jaekel, O. 1905 A, 193, fig. 2 (Naosaurus).
1910 B, 526, fig. 1 (Naosaurus).
1910 C, 332 (Naosaurus).
1911 A, 145, fig. 158 (Naosaurus).
1911 D, 36 (Naosaurus).
Knipe, H. R. 1912 A, 63, fig.
Loomis, F. B. 1921 A, 194.
Lucas, F. A. 1902 A, 132, fig. (Naosaurus).
Lull, R. S. 1910 A, 5 (Naosaurus).
1917 B, 221.
Lydekker, R. 1912 C, 19 (Naosaurus).
1915 C, 635.
Matthew, W. D. 1908 D, 817 (Naosaurus).
Moodie, R. L. 1923 B, 561, pls. xiv, xviii.
1926 A, 67.
Nat. Sci. 1898 A, 230 (Naosaurus).
Nopcsa, F. 1923 H, 12, 51-55, 58, 59, 68, 153, 193, pl. ii, fig. 3.
1928 A, 172 (Edaphosaurus, Naosaurus).
Osborn, H. F. 1903 D, 476.
1907 D, 265, fig. 2 (Naosaurus).
1917 B, 221 (Naosaurus).
Pompeckj, J. F. 1925 A, 17.

Romer, A. S. 1922 B, 547, 557, pl. xxxvii (Edaphosaurus); pl. xlvi (Naosaurus).
1926 A, 59.
1927 B, 678, 680.
1928 C, 257, 258.
Schuchert, C. 1910 A, 570 (Edaphosaurus, Naosaurus).
Sternberg, C. H. 1909 C, 227 (Naosaurus).
1917 A, 185 ("reptile").
Stromer, E. 1915 B, 18, 20 (Edaphosaurus, Naosaurus).
Thevenin, A. 1909 A, 1225 (Naosaurus).
1910 A, 56.
Tornier, G. 1913 B, 341, figs. 10, 11.
Versluys, J. 1912 B, 588, 664.
1919 A, 10, 11, 25.
Watson, D. M. S. 1913 A, 74.
1914 D, 179.
1914 F, 777.
1916 D, 637, 647.
1917 C, 174, 184 (Edaphosaurus, Naosaurus).
Williston, S. W. 1910 B, 82.
1910 F, 586 (Naosaurus).
1911 B, 75, text-fig. 23 (Naosaurus); 77 Edaphosaurus).
1911 C, 631.
1911 D, 380 (Naosaurus).
1914 A, 23, fig. 7.
1915 A, 575, 576, 578.
1915 C, 559.
1916 B, 231, figs. 80, 81 (Edaphosaurus); 231 (Naosaurus).
1918 B, 95, figs. 8, 14 (Edaphosaurus); 95 (Naosaurus).
1925 A, 24, 127, fig. 98.
Williston and Case 1913 D, 71, 74, 81, figs. 50, 51 (Edaphosaurus, Naosaurus).
Zittel and Broili 1911 A, 195 (Naosaurus); 196 (Edaphosaurus).
1923 A, 235 (Edaphosaurus, Naosaurus).
Zittel, Eastman, etc. 1902 A, 149 (Naosaurus).

Edaphosaurus claviger (Cope).

Unless otherwise indicated the authors, as quoted, refer this species to *Naosaurus*.

Hay, O. P. 1902 A, 432.
Abel, O. 1909 F, 455, fig. 1.
1912 F, 571, fig. 444.
1919 A, 372, fig. 292.
Ballou, W. H. 1897 A, 13, 16, fig.
Beede, J. W. 1907 A, 120.
Broili, F. 1904 C, 272.
Case, E. C. 1907 E, 59, 75, 139, pl. xxviii, fig. 1; pl. xxix, fig. 1; pl. xxx, figs. 1, 2; pls. xxxi, xxxv; text-figs. 63-65.
1915 A, 99 (Edaphosaurus).
Cummins, W. F. 1908 A, 743, 744.
Gadow, H. 1901 B, 308.
Huene, F. 1925 I, 242, text-figs. 18, 19 (Naosaurus).
Jaekel, O. 1910 B, 527.
Lydekker, R. 1912 C, 110.
Miner, R. W. 1925 A, 183, fig. 20 (Naosaurus).
Osborn, H. F. 1904 F, 20.
1907 D, 265, pl. ix.
Schmalhausen, J. 1917 A, 107, fig. *n*.
Stappenbeck, R. 1905 A, 388.
Sternberg, C. H. 1909 C, 234, figs. 32, 33.
Williston, S. W. 1910 B, 95, 96, figs. 10-13.
Williston and Case 1913 D, 71, 72 (Edaphosaurus).
Woodward, A. S. 1910 C, 12, fig. 1.
1922 C, 27, fig. 23 (Naosaurus).
Zittel and Broili 1911 A, 195, fig. 328.
1923 A, 235, fig. 337.
Zittel, Eastman, etc. 1902 A, 149, fig. 239.

Permian (Wichita, Clear Fork); Texas: (Enid); Oklahoma.

Edaphosaurus cruciger (Cope).

Hay, O. P. 1902 A, 432 (Naosaurus).
Abel, O. 1909 F, 476 (Naosaurus).
1919 A, 370, fig. 290.
1920 A, 361, fig. 570.
Beede, J. W. 1907 A, 119 [N. (Dimetrodon)].
Case, E. C. 1907 E, 60, 75, 146 (Naosaurus).
1914 B, 117-121, figure.
1915 A, 99, 143, 157, 176, text-figs. 29, 50.
1915 C, 474.
1918 B, 1, pls. i, ii.
Cummins, W. F. 1908 A, 740, 741, 743 (Naosaurus).
Huene, F. 1925 I, 243, text-fig. 20.
Jaekel, O. 1910 B, 534 (Naosaurus).
Lull, R. S. 1917 B, 498, fig. 149.
Lydekker, R. 1915 C, 635 (E. crucifer).
Moodie, R. L. 1923 B, 116, fig. 8, pl. xv.
Osborn, H. F. 1917 B, 188, 189, fig.
Williston and Case 1913 D, 72.

Permian (Wichita, Clear Fork); Texas.

Edaphosaurus microdus Cope.

Hay, O. P. 1902 A, 432 (Naosaurus).
Abel, O. 1908 D (216), fig. 4 (Naosaurus).
1919 A, 371, figs. 291, 292 (Naosaurus).
Beede, J. W. 1907 A, 119 (Naosaurus).
Broili, F. 1904 A, 81 (Syn. of Naosaurus claviger).
Case, E. C. 1907 E, 61, 71 (Edaphosaurus); 75, 146, pl. xxviii, fig. 3; pl. xxix, fig. 2; pl. xxxii; text-fig. 65 (Naosaurus).
Cummins, W. F. 1908 A, 743 (Naosaurus).
Williston and Case 1913 D, 72.

Permian; Texas.

Edaphosaurus novomexicanus Williston and Case.

Williston and Case 1913 A, 6.
Case, E. C. 1915 A, 99, 130, 144, 151.
Williston, S. W. 1925 A, 128, fig. 92.
Williston and Case 1913 D, 72, 74, text-figs. 47-49.

Permian; New Mexico.

Edaphosaurus pogonias Cope.

Hay, O. P. 1902 A, 433.
Abel, O. 1919 A, 369, fig. 289.
Beede, J. W. 1907 A, 119.
Broom, R. 1910 A, 221, figs. 16-18.
Case, E. C. 1903 A, 91, figs. 4, 5.
1906 A, 19, pl. vii; text-figs. 1-4, 6.
1907 E, 69, 151, pl. xxxiv; text-figs. 66-71.
1914 B, 117.
1915 A, 99.
Cummins, W. F. 1908 A, 743.
Drevermann, F. 1915 A, 405.
Huene, F. 1913 B, 363, figs. 48, 49 [Naosaurus (Edaphosaurus)].
1925 I, 242, text-fig. 21.

Versluys, J. 1919 A, 10, fig. 8 (This genus?).
Watson, D. M. S. 1916 D, 637, figs. 1-4.
Williston, S. W. 1918 B, 95.
Williston and Case 1913 D, 72, fig. 46 (This species?).
Permian (Wichita, Clear Fork); Texas.

Edaphosaurus raymondi Case.

Case, E. C. 1908 B, 238, pl. lix, fig. 3; text-fig. 7 (Naosaurus?).
1915 A, 99, 144.
Pennsylvanian (Upper); Pennsylvania.

Edaphosaurus sp. indet.

Case, E. C. 1902 B, 63, 66 (Naosaurus). Permian; Oklahoma.
Phillips, W. B. 1912 A, 41 (Naosaurus). Permian (Wichita); Texas.
Romer, A. S. 1927 A, 232. Permian; Texas.
Stauffer and Schroyer 1920 A, 142, 147, pl. xiii, figs. 45, 46. Permian (Creston Reds); Ohio.

Suborder CASEIFORMES, new name.

The writers, as cited, employ the name Caseasauria.
Case, E. C. 1915 A, 99, 122, 144.
Nopcsa, F. 1923 H, 9.
Watson, D. M. S. 1917 C, 173.
Williston, S. W. 1912 B, 649.
1916 B, 195.
1925 B, 211, 233.
Zittel and Broili 1923 A, 233.

CASEIDÆ Williston.

Williston, S. W. 1911 C, 631.
Abel, O. 1919 A, 364.
Arldt, T. 1912 A, 656.
Case, E. C. 1915 A, 99, 122.
1923 A, 517.
Eastman, C. R. 1912 C, 657.
Huene, F. 1913 B, 377.
1916 A, 63 ("caseiden").
1925 I, 245.
Nopcsa, F. 1922 A, 109.
1923 H, 60, 123, 151, 168.
1928 A, 171.
Williston, S. W. 1911 B, 71, 111.
1912 B, 649.
1915 C, 559.
1916 B, 228.
1925 B, 233.
Zittel and Broili 1923 A, 233.

CASEA Williston. Type *C. broilii* Williston.

Williston, S. W. 1910 F, 590.
Anonymous 1912 A, 520.
Broom, R. 1913 K, 12.
Case, E. C. 1915 A, 102, 144.
Geol. Mag. 1912 A, 520.
Gregory, W. K. 1920 A, 230.
1926 A, 195, 196.
Hay, O. P. 1912 C, 563, 564.
Huene, F. 1925 I, 240.
Nopcsa, F. 1923 H, 56, 58, 59, 70, 193.
1928 A, 171.
Romer, A. S. 1928 C, 257, 258.
Steiner, H. 1921 A, 537.
1922 A, 341.
Versluys, J. 1919 A, 10.
Watson, D. M. S. 1914 G, 1005.
1917 C, 173, 184.
Williston, S. W. 1911 B, 112.
1911 C, 631.
1913 C, 745.
1914 A, 55, fig. 30.
1914 C, 68.
1914 D, 386, 403.
1914 E, 121 (Cesea).
Williston, S. W. 1915 C, 559.
1916 B, 230, fig. 79.
1925 A, 167, fig. 135.
1925 B, 236, fig. 169*b*.
Zittel and Broili 1923 A, 233.

Casea broilii Williston.

Williston, S. W. 1910 F, 590, text-fig. 1.
Abel, O. 1919 A, 368, fig. 288.
1920 A, 361, fig. 569.
Broili, F. 1926 C, 36, fig. 10.
Broom, R. 1921 A, 149, fig. 9.
Case, E. C. 1915 A, 99, 145, text-fig. 30.
Hay, O. P. 1912 C, 562.
Huene, F. 1925 I, 240, text-figs. 16, 17.
Osborn, H. F. 1918 D, 686.
Williston, S. W. 1911 B, 112, frontispiece, pls. xiv-xxiii; text-figs. 28-31.
1913 C, 745, fig. 2.
1914 C, 68, fig. 10.
1914 D, 404, figs. 9, 10.
1925 A, 51, 154, figs. 41, 42.
Permian (Clear Fork); Texas.

TRICHASAURUS Williston. Type *Trispondylus texensis* Williston.

Williston, S. W. 1913 D, 366 (To replace Trispondylus, preoccupied).
Nopcsa, F. 1928 A, 171 (Trichosaurus).
Watson, D. M. S. 1914 M, 348 (Trispondylus).
1917 C, 173 (Trispondylus).
Williston, S. W. 1910 F, 592 (Trispondylus).
1911 B, 131 (Trispondylus).
1916 B, 230.
1925 B, 236.
Zittel and Broili 1923 A, 233.

Trichasaurus texensis (Williston).

Williston, S. W. 1910 F, 592, text-fig. 2 (Trispondylus).
Case, E. C. 1915 A, 99.
Williston, S. W. 1911 B, 131, pl. xxiv, figs. 1, 2; pl. xxv; text-fig. 32 (Trispondylus).
Permian (Clear Fork); Texas.

REPTILIA INCERTÆ SEDIS.

METAMOSAURUS Cope. Type *M. fossatus Cope.*

Hay, O. P. 1902 A, 434.
Broili, F. 1904 A, 103 (Metarmosaurus).
Cummins, W. F. 1908 A, 745.
Nopcsa, F. 1923 H, 54.
Schuchert, C. 1910 A, 570.
Williston, S. W. 1916 B, 234.
1925 B, 236.
This genus is placed by Case in the Amphibia; by Williston in the Reptilia.

Metamosaurus fossatus Cope.

Hay, O. P. 1902 A, 434.
Beede, J. W. 1907 A, 118.
Case, E. C. 1907 E, 65, text-figs. 18, 19.
1915 A, 97.
Cummins, W. F. 1908 A, 743.
Permian (Wichita); Texas.

EMBOLOPHORUS Cope. Type *E. fritillus* Cope.

Hay, O. P. 1902 A, 433.
Broili, F. 1904 A, 62, 102.
1904 C, 270, 273.
Broom, R. 1903 D, 291.
1908 A, 1058.
Case, E. C. 1902 C, pl. ii, figs. 5-7 (This genus?).
1903 B, 2.
1907 E, 129, text-fig. 55.
Cummins, W. F. 1908 A, 745.
Drevermann, F. 1915 A, 403.
Gadow, H. 1896 A, 49.
Huene, F. 1902 A, 35, fig. 38.
1905 A, 338.
Nopcsa, F. 1928 A, 171.
Osborn, H. F. 1903 D, 475, fig. 12 (This genus?).
1904 H, 111, fig. 12.
Schuchert, C. 1910 A, 570.
Stappenbeck, R. 1905 A, 410.
Williston, S. W. 1910 B, 234.
1910 F, 590.
1925 B, 236.

Embolophorus fritillus Cope.

Hay, O. P. 1902 A, 433.
Beede, J. W. 1907 A, 119.
Case, E. C. 1903 B, 2.
1907 E, 65, pl. xxvii, fig. 16.
1915 A, 99.
Cummins, W. F. 1908 A, 743 (Embolobus, *errore*).
Williston, S. W. 1910 F, 590.
Permian (Wichita, Clear Fork?); Texas.

ARCHÆOBELUS Cope. Type *A. vellicatus* Cope.

Hay, O. P. 1902 A, 433.
Broili, F. 1904 A, 80, 102.
Case, E. C. 1915 A, 99 (Archæobellus).
Williston, S. W. 1916 B, 234 (Archæobolis).
1925 B, 236 (Archæobolis).

Archæobelus vellicatus Cope.

Hay, O. P. 1902 A, 433.
Case, E. C. 1900 A, 715, pl. iii, fig. 1.
1907 E, 28, pl. iv, fig. 6.
1915 A, 99.
Cope and Matthew 1915 A, pl. iii, fig. 13.
Pennsylvanian (Upper); Illinois.

DOLICHOBRACHIUM Williston. Type *D. gracile* Williston.

Williston, S. W. 1904 D, 688.
Huene, F. 1926 I, 96.
Mehl, M. G. 1915 B, 521.
Williston, S. W. 1905 B, 340.
1914 A, 54.
1917 C, 412.
Zittel and Broili 1911 A, 194 (To Poliosauridæ).
1923 A, 344.
The systematic position of this genus is uncertain.

Dolichobrachium gracile Williston.

Williston, S. W. 1904 D, 688, text-figs. 1, 2.
Huene, F. 1911 D, 50, fig. 56.
1926 E, 4.
1926 I, 73, 76.
Mehl, M. G. 1928 B, 141.
Upper Triassic (Popo Agie); Wyoming.

Order THERAPSIDA Broom.

Broom, R. 1905 C, 269.
Unless otherwise indicated the authors, as quoted, employ the name Theriodontia.
Abel, O. 1919 A, 415.
1920 A, 367.
1922 C, 588 ("theriodontier").
Arldt, T. 1907 D, 685.
1908 A, 571, 585.
Brauns, D. 1890 A, 162 ("theriodonten").
Broili, F. 1904 A, 70.
Broom, R. 1897 C, 277 ("theriodonts").
Broom, R. 1901 A, 181 ("theriodonts").
1902 D, 551, 554.
1903 A, 343 ("theriodonts").
1903 D, 286, 290, 293.
1903 E, 136 ("theriodonts").
1903 G, 144 ("theriodonts").
1903 H, 147, 156.
1903 I, 554.
1904 A, 490 ("theriodonts").
1905 B, 214 ("theriodonts").
1905 E, 74 ("theriodonts").

Broom, R. 1905 F, 40 ("theriodonts").
1906 E, 369 (Therapsida).
1907 C, 797 (Therocephalia and Cynodontia).
1908 A, 1048 (Therapsida).
1910 A, 198, 207, 228 (Therapsida).
1915 C, 8, 9, 10, 15, 21, 25.
1917 A, 977 (Therapsida).
1921 A, 148 ("therapsids").
1922 A, 21.
1923 A, 674.
1924 B, 46, 61, 62.
1924 C, 72.
Broom and Haughton 1913 B, 26 (Therapsida).
Carus, V. 1875 A, 400 (Anomodontia).
Case, E. C. 1898 C, 622.
1926 B, 194.
Du Toit, P. J. 1910 A, 417.
Fuchs, H. 1911 B, 367.
1914 A, 29.
1920 B, 363, 368 ("therapsiden").
Gadow, H. 1901 B, 306.
Gaupp, E. 1911 D, 620 ("theriodonten").
1913 A, 98.
Gregory, W. K. 1910 C, 298 ("theriodonts").
1910 D, 600.
1913 E, 4, 25, 37.
1916 D, 105.
1917 C, 977.
1920 A, 131, 231.
1922 A, 12, 14, 81.
1926 A, 201, 202 ("therapsids").
Gregory and Adams 1915 A, 763 ("theriodonts").
Haughton, S. H. 1918 A, 175.
Heilprin, A. 1887 A, 159.
Howes and Swinnerton 1901 A, 3.
Huene, F. 1911 D, 41, 58 (Therapsida).
1925 D, 229 (Therapsida, Theriodontia).
1926 I.
Jaekel, O. 1904 C, 172.
1905 B, 66 ("theriodontier").
1910 D, 114, 115, 121.
Lydekker, R. 1912 C, 17, 26.
Matthew, W. D. 1928 B, 948 ("theromorph reptiles").
Nopcsa, F. 1922 A, 110, 111, 116 ("theriodontier").
1923 H, 122 (Theromorpha).
1928 A, 168 (Theromorpha).
Osborn, H. F. 1897 I, 107.
1898 U, 686.
1899 J, 415.
Owen, R. 1876 D, 15, 71.
Pearson, H. S. 1924 A, 822 ("theriodonts").
Reynolds, S. H. 1897 A, 272, 277, 283, 556 (Theromorpha).
Romer, A. S. 1922 A, 42 ("therapsids").
1922 B, 524, 591.
1924 C, 96.
Schmidt, O. 1886 A, 24.
Seeley, H. G. 1894 C, 387.
1896 B, 184 (Theropsida).
1899 B, 68 ("theriodonts").
1908 D, 611 ("theriodonts").
1909 A, 714 ("theriodonts").
Steiner, H. 1921 A, 537.
Tornier, G. 1913 B, 342.
Versluys, J. 1919 A, 5, 11, 12-14, 21, 22, 27 (Theromora).
Watson, D. M. S. 1913 G, 222, 227 ("therapsids").
1914 B, 89 ("therapsids").
1914 J, 1038.
1916 A, 342 ("therapsids").
1921 B, 35.
Williston, S. W. 1904 B, 176.
1914 A, 102, 222 (Theriodontia); 16, 45, 102 (Therapsida).
1916 B, 196 (Therapsida); 198 (Theriodontia).
1917 C, 415 (Therapsida).
1918 B, 99 (Therapsida).
1925 A, *passim* (Therapsida); 19, 52, 104, 147 (Theriodontia).
Wiman, C. 1916 D, 413.
Zeigler, H. E. 1924 A, lx ("theriodontier").
Zittel, K. A. 1890 A, 448, 554, 572.
Zittel and Broili 1911 A, 196.
1923 A, 238.

Order ANOMODONTIA Owen.

The name Anomodontia (Owen, R. 1859 G, p. 58) is employed by writers in so many different senses that the author regards it as unavailable as a systematic term. The following citations may be found useful: On differences in usage see Watson, D. M. S. 1917 C; Nopcsa, F. 1923 H; and Williston, S. W. 1925 B.

Hay, O. P. 1902 A, 430.
Abel, O. 1909 F, 456.
1912 F, 221.
Anderson, R. J. 1909 B, 746.
Arldt, T. 1907 D, 638.
Boas, J. E. V. 1914 B, 564.
1914 C, 285.
Boulenger, G. A. 1902 F, 382 ("anomodonts").
1904 C, 479, 480.
Brauns, D. 1890 A, 162, 163, 202.
Broili, F. 1904 A, 69.
1904 D, 578, 580 (Anomodonta).
Broili, F. 1917 A, 561 ("anomodontier").
Broom, R. 1899 A, 749 ("anomodonts").
1903 C, 177 ("anomodonts").
1903 D, 286, 290.
1903 E, 136 ("anomodonts").
1903 F, 139 ("anomodonts").
1903 I, 554.
1904 C, 109 ("anomodonts").
1904 D, 75 ("anomodonts").
1905 B, 213 ("anomodonts").
1905 C, 266, 269.
1905 D, 263 ("anomodonts").
1906 A, 107 ("anomodonts").
1907 A, 35 ("anomodonts").
1908 A, 1048, 1059 ("anomodonts").
1909 D, 212.
1910 A, 210.
1910 C, 473.
1911 A, 917.
1912 B, 421.

Broom, R. 1912 D, 341 ("anomodonts").
1913 J, 363.
1913 K, 12.
1913 L, 231.
1913 P, 226, 229.
1915 C, 11.
1923 A, 674.
1924 B, 64, fig. 13.
Broom and Haughton 1913 B, 29 ("anomodonts").
DuToit, P. J. 1911 A, 417.
Fraas, E. 1905 B, 367.
Fuchs, H. 1907 A, 161.
1907 B, 415 ("anomodontier").
1911 A, 34.
1911 B.
Fuchs and Geinitz 1903 A, 36, 39.
Fürbringer, M. 1904 A.
Gadow, H. 1901 B, 309.
Gaupp, E. 1906 A, 33 ("anomodontier").
Gidley, J. W. 1912 C, 19.
Goodrich, E. S. 1916 A, 263.
Greene, J. R. 1861 A, 219, 226.
Hoernes, R. 1886 A, 584.
Hoffmann, C. K. 1890 B, 1319.
Howes, G. B. 1893 C, 585, 590.
Howes and Swinnerton 1901 A, 3.
Huene, F. 1902 A, 12, 68.
1911 D, 43.
1912 F, 524.
1914 G, pl. vii.
1925 D, 229.
Jaekel, O. 1902 C, 610.
1904 C, 173.
1905 B, 66 ("anomodontier").
1907 B, 1, 81 ("anomodontier").
1910 D, 121 ("anomodontier").
Lydekker, R. 1912 C, 4, 16, 142.
Newton, E. T. 1900 A, 645 ("anomodonts").
Nopcsa, F. 1928 A, 170 (Anomodontoidea).
Osborn, H. F. 1899 J, 415.
1903 H, 453, 456, 465.
Osborn, H. F. 1904 L, 256.
1904 N, 308.
1905 C, 295.
1905 N, 238.
Owen, R. 1876 D, 29, 73.
Seeley, H. G. 1882 A, 366.
1887 D, 338.
1896 B, 184.
1899 A, 180.
1899 B, 68.
1900 A, 280.
Sera, G. L. 1921 A, 45 ("anomodonti").
Sewertzoff, A. N. 1908 A.
Sixta, V. 1900 B, 324.
Sollas and Sollas 1914 A, 207.
1916 A, 531 (Dicynodon).
Stappenbeck, R. 1905 A, 427 ("anomodonten").
Sushkin, P. P. 1925 A, 180.
1928 A, 278.
Swinnerton and Howes 1901 A, 3.
Thevenin, A. 1910 A, 58 ("anomodontes").
Tornier, G. 1913 B, 337.
Versluys, J. 1912 B, 550, 665, 687.
Watson, D. M. S. 1912 B, 575.
1913 A, 71 ("anomodonts").
1913 B, 257.
1913 E, 210 ("anomodonts").
1914 D, 176.
1914 F, 778.
1914 H, 1012.
1916 A, 317, 347 ("anomodonts").
1917 C, 173.
1921 B, 69, 75, 93 ("anomodonts").
Williston, S. W. 1904 B, 176.
1905 D, 297.
1914 A, 16, 45, 102.
1916 B, 198.
1925 A, 10, 11, 28, 109, 118, 122, 147.
Zittel and Broili 1911 A, 198.
1923 A, 230.
Zittel, Eastman, etc. 1902 A, 179, 184.

Suborder DICYNODONTIFORMES, new name.

Unless otherwise indicated the writers, as cited, use the name Dicynodontia.
Abel, O. 1919 A, 435.
1920 A, 370.
1922 C, 577 ("dicynodontier").
Broom, R. 1910 A, 210 (Anomodontia).
Carus, V. 1875 A, 401.
Case, E. C. 1926 B, 194.
Cope, E. D. 1891 N, 38, fig. 16 (Dicynodontia, Anomodontia).
Goodrich, E. S. 1916 A, 262.
Haughton, S. H. 1920 A, 12.
Huene, F. 1925 D, 238.
Lydekker, R. 1890 A, 15.
Nopcsa, F. 1922 A, 111, 116 ("dicynodontier").
1923 H, 4-188.
Owen, R. 1859 F, 289.
1860 E, 236.
Pearson, H. S. 1924 A, 793, seq.
1924 B, 827.
Pompeckj, J. F. 1925 A, 23 ("dicynodontier").
Romer, A. S. 1922 B, 524.
Sushkin, P. P. 1927 A, 301, 306 (Dicynodontia)
Terra, P. 1911 A, 239 (Anomodontia).
Watson, D. M. S. 1917 A, 30.
1917 C, 176.
Woodward, A. S. 1922 C, 29.
Zittel and Broili 1911 A, 198 (Anomodontia).
1923 A, 241.

DICYNODONTIDÆ Owen.

Owen, R. 1866 A, 16.
Hay, O. P. 1902 A, 430.
Arldt, T. 1907 D, 650.
1908 A, 585.
Broom, R. 1902 A, 86 ("dicynodonts").
Broom, R. 1903 C, 177 ("dicynodonts").
1905 D, 263 ("dicynodonts").
1912 D, 341 ("dicynodonts").
Cope, E. D. 1889 R, 866.
Flower and Lydekker 1889 A, 1063.

Huene, F. 1926 I, 78 ("dicynodontier").
Huxley, T. H. 1859 F, 131 ("dicynodonts").
1865 C, 8 ("dicynodonts").
Jaekel, O. 1904 C, 172 ("dicynodonten").
Nopcsa, F. 1902 A, 184 ("dicynodonten").
1928 A, 170.
Owen, R. 1860 E, 236 (Dicynodontia).
Owen, R. 1866 A, 16 (Dicynodontia).
Seeley, H. G. 1888 D, 71, 86 ("dicynodonts").
1888 F, 500 ("dicynodonts").
Tornier, G. 1913 B, 342 (Dicynodontia).
Watson, D. M. S. 1917 A, 30 ("dicynodonts").
1921 B, 93 ("dicynodonts").
Williston, S. W. 1925 B, 240.

Dicynodon Owen. Type *D. lacerticeps* Owen.

Hay, O. P. 1902 A, 430.
Abel, O. 1919 A, 438, figs. 341, 342.
1922 C, 576.
Amalitzky, V. 1922 A, 332, figs. 1, 2.
Ameghino, F. 1909 A, 5, 10, fig. 2.
Brauns, D. 1890 A, 162, fig. 7.
Broom, R. 1890 A, 411.
1899 A, 763.
1901 A, 162, 166.
1904 A, 491.
1904 D, 78.
1905 D, 263.
1909 E, 401.
1910 C, 476.
1912 D, 337.
1913 M, 6.
1915 C, 11.
1921 B, 647.
1926 A, 258, fig. 1.
1927 A, 74, fig. 1.
Broom and Haughton 1913 C, 36.
Case, E. C. 1926 B, 194.
Gregory, W. K. 1920 A, 132, figs. 52, 53.
1926 A, 206, 209.
Hoffmann, C. K. 1890 B, 1310, 1318.
Huene, F. 1902 A, 14.
1922 C, 58-71, figs. 1-4.
1923 B, 459.
Huxley, T. H. 1859 F, 130.
1865 C, 18.
Lydekker, R. 1915 A, 236, fig. 1.
Nopcsa, F. 1902 A, 189.
1923 H, 41, 42, 164.
1926 A, 636.
Owen, R. 1876 D, 30, pls. xxiii-xliv, lxix.
Pearson, H. S. 1924 A, 793, seq.
1924 B, 827.
Reynolds, S. H. 1897 A, 192, 273, 283.
Romer, A. S. 1922 A, 40, fig. 1.
1922 B, *passim*, pls. xxxiii, xxxvii.
Seeley, H. G. 1888 D, 76, 100.
1888 F, 488.
1898 B, 164.
Sera, G. L. 1921 A, 46.
Sollas and Sollas 1913 A, 61.
1914 A, 201, pls. xvii, xviii.
1916 A, 531, pls. xxxv, xxxvi.
Steiner, H. 1921 A, 537.
Sushkin, P. P. 1927 A, 299, 301, figs. 29-31.
Terra, P. 1911 A, 239.
Watson, D. M. S. 1912 B, 575, fig. 2.
1914 K, 95.
1917 B, 30, figs. 12-17.
1917 C, 176.
Wegner, R. N. 1922 A, 476.
Williston, S. W. 1925 A, 146, fig. 120.
1925 B, 240.
Woodward, A. S. 1922 C, 30, fig. 26.
Zittel and Broili 1911 A, 199, figs. 331, 332.
1923 A, 242, figs. 342-345.
Zittel, Eastman, etc. 1902 A, 187.

Dicynodon rosmarus Cope.

Hay, O. P. 1902 A, 430.
Huene, F. 1926 I, 96.
Lyman, B. S. 1894 A, 212 (D. rosmarinus).
Triassic (Newark); Pennsylvania.

Placerias Lucas. Type *P. hesternus* Lucas.

Lucas, F. A. 1904 A, 194.
Broili, F. 1921 A, 339 (This genus?).
Broom, R. 1915, in Case, E. C. 1915 A, 75.
Case, E. C. 1915 A, 75.
Cross and Howe 1905 A, 489.
Huene, F. 1926 I, 77, 96.
Pearson, H. S. 1924 A, 793.
Simpson, G. G. 1926 G, 107.
Williston, S. W. 1911 F, 664.
1925 B, 240.
A genus of uncertain systematic position.

Placerias hesternus Lucas.

Lucas, F. A. 1904 A, 194, pl. iv.
Cross, W. 1908 A, 113.
Cross and Howe 1905 A, 480.
Darton, N. H. 1910 A, 42.
Gregory, H. E. 1917 A, 46.
Huene, F. 1926 E, 4.
1926 I, 74.
Merrill, G. P. 1907 A, 75.
Pearson, H. S. 1924 A, 793.
Triassic (Chinle); Arizona.

Brachybrachium Williston. Type *B. brevipes* Williston.

Williston, S. W. 1904 D, 694.
Huene, F. 1926 I, 96.
Simpson, G. G. 1926 G, 107.
Williston, S. W. 1925 B, 240.
The systematic position of this genus is uncertain.

Brachybrachium brevipes Williston.

Williston, S. W. 1904 D, 694, text-fig. 5.
Huene, F. 1911 D, 50, fig. 55.
1926 E, 4.
1926 I, 73.
Upper Triassic (Popo Agie beds); Wyoming.

EUBRACHIOSAURUS Williston. Type *E. browni* Williston.

Williston, S. W. 1904 D, 690.
Abel, O. 1919 A, 431.
Broili, F. 1921 A, 342.
Huene, F. 1926 I, 96.
Pearson, H. S. 1924 A, 793.
Watson, D. M. S. 1917 C, 176.
Williston, S. W. 1911 F, 664.

Eubrachiosaurus browni Williston.

Williston, S. W. 1904 D, 690, text-figs. 2, 3.
Huene, F. 1926 E, 4.
1926 I, 73, 77.
Pearson, H. S. 1924 A, 793.
Triassic (Chugwater); Wyoming.

Superorder ASTATOGLYPTICA, new name.

Order TESTUDINATA, Bonaparte.

Bonaparte, C. L. 1831, Gior. Arcad. Sci., xlix, 5.
Hay, O. P. 1902 A, 434 (Testudines).
Abel, O. 1907 B, (76) ("schildkröten").
1908 D, (215) ("schildkröten").
1909 D, (226) ("schildkröten").
1912 F, 221 (Testudinata); 528 ("schildkröten").
1914 C, 341 ("schildkröten").
1919 A, 374 (Testudinata).
1920 A, 363, fig. 572 (Chelonia).
1921 A, 145, 188, 251 ("schildkröten").
Adams, C. C. 1902 A, 116 ("turtle").
Altmann, F. 1925 A, 95 ("chelonier").
Anderson, R. J. 1912 A, 917 (Chelonia).
1912 D, 251 (Chelonia).
Andrews, C. W. 1896 B, 148 (Chelonia).
1906 A, xxiv (Chelonia).
1913 A, vii (Chelonia).
Anthony, R. 1912 A ("tortues").
1913 A, 24 ("chéloniens").
Arldt, T. 1907 D, 684.
1908 A, 587 ("schildkröten").
1909 D, 652 ("schildkröten").
Ballerstedt, M. 1921 A, 64.
Bardeleben, K. 1896 A, 114 ("schildkröten").
Batsch, A. J. 1788, Anleit, Kenntn. Thiere, Man. I, 437 (Testudines).
Baur, G. 1889 L, 312.
Beer, G. R. 1926 A, 316 (Chelonia).
Bender, O. 1907 A, 40 ("chelonier").
1911 A, 163 ("schildkröten").
1912 A, 3 ("chelonier").
1913 A, 284 ("schildkröten").
Beyer, H. 1907 A, 288 ("chelonier").
Blainville, H. M. D. 1835 A, 239 (Chelonia).
Bluntschli, H. 1912 B, 384 ("chelonier").
Boas, J. E. V. 1914 B, 565 ("schildkröten").
1914 C, 287 (Chelonia).
Bojanus, L. H. 1819 A, 1362 ("schildkröten").
1821 A, 1158 ("schildkröte").
Bonaparte, C. L. 1832 A, 312 (Chelonii).
1833 B, 1083.
Boulenger, G. A. 1888 B, 452 (Chelonia).
1893 B, 205 ("chelonians").
1904 C, 479-480 (Chelonia).
1917 C, 459 ("chéloniens").
1917 D, 1045 ("tortues").
1918 E, 514 ("chéloniens").
1919 A, 44 ("tortues marines").
Branca, W. 1908 B, 44 ("schildkröten").
Brauns, D. 1890 A, 147, 162, 163, 164 (Chelonia).
Braus, H. 1906 A, 261 ("chelonier").
Bronn, H. G. 1849 A, 812, seq. (Chelonii).
Broom, R. 1901 A, 188 (Chelonia).
Broom, R. 1902 D, 556 (Chelonia).
1903 I, 552 (Chelonia).
1904 C, 111 ("chelonians").
1905 B, 215 ("chelonians").
1908 A, 1054 (Chelonia).
1908 E, 114 ("chelonians").
1909 D, 213 (Chelonia).
1911 A, 920 ("chelonians").
1913 J, 364 (Chelonia).
1913 L, 231 (Chelonia).
1922 A, 17, 21, 25.
1924 B, 48, 64, fig. 13 (Chelonia).
1924 C, 75 (Chelonia).
Carter, J. T. 1905 A, 129 (Chelonia).
Carus, V. 1875 A, 391 (Chelonia).
Carus and Engelmann 1861 A, 1102-1105, 1564, 1675, 1694, 1702, 1721 (Chelonia).
Case, E. C. 1898 C, 725.
1905 A, 298.
1923 A, 517.
Cleland, J. 1863 B, 310 ("chelonians").
Coker, R. E. 1905 A, 874 ("turtles").
1905 B, 9 (Chelonia).
1910 A, 1 (Chelonia).
Cooper, C. F. 1922 C, 155 ("tortoises").
Cope, E. D. 1891 N, 35, 39.
Cuvier, G. 1805 A ("chéloniens").
1812 A, 125 ("tortues").
1825 A, v, 2, 176-249, pls. xi-xv ("tortues").
Dana, J. D. 1863 C, 343 ("chelonians").
Davenport, G. C. 1898 A, 187 ("turtles").
Dendy, A. 1907 A, 292 (Chelonia).
Diener, C. 1909 A, 36 ("schildkröten").
Döderlein, L. 1900 A, 335 (Chelonia).
Dollo, L. 1883 G, 590 (Chelonia).
1889 B, 668 ("chéloniens").
1903 C ("chéloniens").
1913 A, 50 ("chéloniens").
1913 B, 622 ("chéloniens").
Dombrowski, B. A. 1925 A, 75 ("schildkröten").
Drevermann, F. 1922 A, 102 ("schildkröten").
Duméril, A. M. C. 1806 A, 76 (Chelonii).
DuToit, P. J. 1911 A, 420.
Edgeworth, F. H. 1907 A, 516 (Chelonia).
Eichwald, E. 1832 A, 868 ("schildkröten").
Eimer, G. H. T. 1901 A, 261 ("schildkröten").
Emery, C. 1901 A, 672 ("schildkröten").
Fitzinger, L. 1836 A, 107.
1843 A, 29.
Fleischmann, A. 1910 A, 699 (Chelonia).
Fraas, E. 1903 A, 73 ("schildkröten").
1905 B, 363.
Frassetto, F. 1915 A ("cheloni").
Fries, C. 1924 A, 277 ("schildkröten").

Fry, E. 1850 A, 21 (Testudina).
Fuchs, H. 1907 A, 161.
1907 B ("schildkröten").
1907 C, 19, 23 ("schildkröten").
1907 D, 33 ("schildkröten").
1908 B, 585 ("schildkröten").
1908 C, 153 ("schildkröten").
1909 B, 114, 143, 151 (Testudinata); 152 (Heterapsida).
1909 D, 26 ("schildkröten").
1910 A, 39 ("schildkröten").
1910 C, 495 ("chelonier").
1911 B.
1911 C, 39 ("schildkröten").
1912 D, 153 ("chelonier").
1920 A (Testudinata).
1926 B, 2, 31.
1927 A, 312, fig. 4.
Fürbringer, M. 1888 A, 1620 (Chelonia).
1902 B, 727 ("chelonier").
1904 A.
Gadow, H. 1896 A, 41-52, figs. 44-50 (Chelonia).
1901 A, 405 (Chelonia).
1901 B, 312 (Chelonia).
1902 B, 353 (Chelonia).
1902 D, 207 (Chelonia).
1912 B, 216 ("chelonians").
1914 A, 503 ("chelonians").
Gaupp, E. 1891 B, 108 ("chelonier").
1895 A, 58, seq. ("schildkröten").
1899 A, 1034, 1091 (Chelonia).
1902 A, 178, 224 ("schildkröte").
1905 D, 1016 ("chelonier").
1906 A, 43 ("schildkröten").
1906 B, 787 ("schildkröten").
1908 B, 528 ("schildkröten").
1910 A, 541 ("schildkröten").
1910 B, 358 ("schildkröten").
1910 C, 411 ("schildkröten").
1911 A, 420 ("schildkröten").
1911 B, 108 (Chelonia).
1911 C, 443, 449 (Chelonia).
1911 D, 616, 630 ("schildkröten").
1911 E, 338, 411 ("schildkröten").
1912 B, 221 ("schildkröten").
1913 A, 50 (Chelonia).
Gegenbaur, C. 1863 A, 466 ("schildkröten").
1867 B, 401 ("schildkröten").
1870 A, 336 ("schildkröten").
1871 A, 200 ("schildkröten").
Gelderen, C. 1923 A, 29 (Chelonia).
1925 A, 505 ("chelonier").
Gervais, P. 1852 A, 242 ("chéloniens").
1853 B, 30 ("chéloniens").
1859 A, 434 ("chéloniens").
Goodrich, E. S. 1916 A, 263, 264, 272.
Goodsir, J. 1857 A, 140, 144, 157, 160 ("chelonians").
Gray, J. E. 1825 A, 210 (Chelonii).
1837 C, 131 ("chelonians").
1855 A, 1 (Chelonia).
1873 D, 161, 169 (Chelonia).
Greene, J. R. 1861 A, 219, 226 (Chelonia).
Gregory, W. K. 1913 E, 17, 18 (Chelonia).
1920 A, 119, 229 (Chelonia).
Gregory and Camp 1918 A, 532 (Chelonia).
Gregory and Noble 1924 A, 437 ("turtles").
Haeckel, E. 1868 A, 453 ("schildkröten").
1873 A, 512, 531 (Chelonia).
Harkness, R. 1852 A, 250 (Chelonia).
Hase, A. 1913 A, fig. 36 ("schildkröten").
Hasse, C. 1871 A, 225-299 ("schildkröten").
1872 B, 543 ("schildkröten").
1873 D, 685 ("schildkröten").
Hasse and Schwarck 1870 A, 55 ("schildkröten").
Hay, O. P. 1901 C, 624 ("turtles").
1905 A, 137 (Testudines).
1905 G, 327 ("turtles").
1905 H, 295.
1908 A, 25, 43 (Testudines).
1912 E, 212 (Chelonia).
1922 E, 421, 440.
1928 A, 1-12.
Hayek, H. 1924 A, 149 ("schildkröten").
Heilmann, G. 1926 A, 204 (Chelonia).
Heilprin, A. 1887 A, 313 (Chelonia).
Henshaw, H. W. 1912 A, 318 ("turtles").
Hilzheimer, M. 1913 A, 516 ("schildkröten").
Hoernes, R. 1886 A, 586 (Chelonia).
Hoffmann, C. K. 1879 B, 52 ("schildpadden").
Hollard, H. 1864 A, 13 ("tortues").
Hommes, J. H. 1924 A, 36 (Chelonii).
Howes, G. B. 1893 C, 585 (Chelonia).
1902 A, 524 (Chelonia).
Howes and Swinnerton 1901 A, 2, 30, 46, 68 (Chelonia); 3, 56 (Testudinata).
Huene, F. 1902 A, 48.
1920 D, 163 ("schildkröten").
1926 I, 78 ("schildkröten").
Humphry, G. M. 1876 A, 671 ("chelonians").
Huxley, T. H. 1859 D, 441, 449 (Chelonia).
1859 F, 137 (Chelonia).
1862 A, li (Chelonia).
1863 F, 477, 529 (Chelonia).
1870 A, 398 (Chelonia).
1870 H, 492 (Pleurospondylia).
1876 F, 173 (Chelonia).
1877 A, 58 (Chelonia).
1879 A, 398 (Chelonia).
1887 C, 232 (Chelonia).
Ihde, — 1912 A, 251 ("schildkröten").
Jaekel, O. 1901 A, 559.
1902 B, 134 ("schildkröten").
1902 D, 131 ("cheloniden").
1904 C, 188 ("schildkröten").
1905 C, 144 ("schildkröten").
1907 B, 60, 88, fig. 44 ("schildkröten").
1908 A, 140 (Testudinata).
1909 C, 706 ("schildkröten").
1910 D, 114, 116.
1911 A, 183.
1912 A, 618 ("schildkröten").
1913 A, 83, fig. 3 ("schildkröten").
1914 A, 197 ("testudinaten").
1915 A, 88.
Johnson, A. 1883 A, 406 (Chelonia).
Kasper, A. 1903 A, 137 ("schildkröten").
Kehrer, F. A. 1896 A, 353 ("schildkröten").
Kerbert, C. 1876 A, 206 ("chelonier").
Kesteven, H. L. 1916 A, 304 (Chelonia).
1918 A, 449 (Chelonia).
1919 A, 233 ("chelonians").
1922 A, 316 (Chelonia).
Kingsley, J. S. 1905 A, 62 ("turtles").

Kingsley, J. S. 1912 B, 91 ("chelonians").
1925 A, 14, 44, 145, 252, 285 (Chelonia).
Klaauw, C. J. 1924 B, 592 (Chelonia).
Klein, E. E. 1868 A ("chelonier").
Köstlin, O. 1844 A ("schildkröten").
Koken, E. 1893 B, 646 ("schildkröten").
1898 A, 141 ("schildkröten").
1898 B, 143 ("chelonier").
Kunkel, B. W. 1911 A, 354 ("schildkröten").
Lambe, L. M. 1901 B, 182 (Chelonia).
Lane, H. H. 1910 B, 345.
Latreille, P. A. 1825 A, 91 (Chelonii).
Lavocat, A. 1884 A, 1126 ("tortues").
1885 A, 36 ("chéloniens").
1889 A, 47 ("tortues").
Lebedinsky, N. G. 1913 A, 767 ("chelonier").
Le Conte, J. 1854 A, 188.
Le Damany, P. 1902 A, 334 ("tortues").
1902 B, 371 ("tortues").
1903 B, 275 ("chéloniens").
1903 D, 353 ("chéloniens").
1906 A, 61, 72 ("chéloniens").
1906 B, 156 ("chéloniens").
Leunis and Ludwig 1883 A, 526 (Chelonia).
Lobley, J. L. 1908 A, 199 (Chelonia).
Lorenz, L. E. F. 1807 A ("testudines").
Lubosch, W. 1914 A, 425 ("chelonier").
Lull, R. S. 1904 A, 528.
1910 D, 152 (Chelonia).
1917 B, 322.
Lydekker, R. 1909 C, 466 ("chelonians").
1912 C, 3, 4, 22, 28, 38, 123, 130 (Chelonia).
1915 C, 633 (Chelonia).
McGregor, J. H. 1905 A, 295 ("turtles").
Mantell, G. A. 1844 A, 765 (Chelonia).
Martins, C. 1872 A, 307 ("tortues").
Matthew, W. D. 1914 B, 383 (Chelonia).
1921 D, 211, 214 (Chelonia).
Meckel, J. F. 1825 A ("chelonier").
Merriam, J. C. 1912 B, 222.
Moodie, R. L. 1908 C, 319, 322 (Chelonia).
1908 D, 446 (Chelonia).
Mook, C. C. 1918 A, 466 (Chelonia).
Müller, J. 1832 A, 507.
Newman, H. H. 1906 A, 68 (Chelonia).
1906 B, 526 (Chelonia).
Noble, G. K. 1923 A, 377.
Nopcsa, F. 1922 A, 109, 116 ("schildkröten," "testudinaten").
1923 E, 1048 (Testudinata).
1923 F (Testudinata).
1923 H, 1-171, tab. (Chelonia, Testudinata).
1926 A, 638 ("tortoises").
1928 A, 165.
Oertel, W. 1924 A, 42-79 ("schildkröten").
Ogushi, K. 1911 A, 1 ("schildkröten").
Oken, L. 1819 A, 1529 ("schildkröten").
1823 B, 444 ("schildkröten").
Osborn, H. F. 1902 H, 750 (Chelonia).
1903 D, 313.
1903 H, 454, 456, 465 (Testudinata); 453, 454, 465 (Chelonia).
1904 H, 105.
1904 N, 308 (Chelonia).
1905 C, 295.
1905 N, 238.
Osborn, H. F. 1909 D, 57, 66.
1917 B, 201-203 (Chelonia).
1925 F, 962 (Chelonia).
Osburn, R. C. 1906 A, 447 (Chelonia).
Oswald, F. 1909 A, 124 ("chelonians").
Owen, R. 1842 F, 77 (Chelonia).
1846 E (Chelonia).
1848 B, 122 ("chelonians").
1868 A, 872, 873 (Chelonia).
Palacký, J. 1894 A, 133 ("schildkröten").
1902 B, 141 ("schildkröten").
Parker, G. H. 1901 A ("turtles").
Parker, W. K. 1869 A, 508 ("chelonians").
1878 C, 214 (Chelonia).
1879 C, 342 ("chelonians").
1888 C, 397 ("tortoises").
Parker and Haswell 1897 A, 313, 320 (Chelonia).
Perna, G. 1906 A, 135 ("chelonier").
Peters, W. 1838 A ("Chelonia").
1867 A, 726 ("schildkröte").
1868 B, 388 ("tortoises").
1869 A, 6 ("schildkröten").
Petronievics, B. 1919 A, 414 ("chéloniens").
Pfeiffer, H. 1854 A, 33 ("schildkröten").
Plieninger, F. 1906 A, 406.
Pompeckj, J. F. 1925 A, 6, 10 ("schildkröten").
Proctor, J. B. 1922 A, 516 ("chelonians").
Pycraft, W. P. 1909 A, 204 ("turtles").
Rabl, C. 1903 A, 164 ("dromopoden" and "eretmopoden"); 159, 165, fig. 12 ("schildkröten").
Rafinesque, C. S. 1815 A, 74 (Perostia).
Rathke, H. 1846 A, 161 ("chéloniens").
Reynolds, S. H. 1897 A, 193-293 (Chelonia).
Rice, E. L. 1920 A ("turtles").
Röse, C. 1892 G, 143 ("schildkröten").
Romer, A. S. 1922 B, 543 (Chelonia).
Sabatier, A. 1896 A, 125 ("chéloniens").
1902 A, 100 ("chéloniens").
Schauinsland, H. 1899 A, 333 ("schildkröten").
1906 A, 542 ("schildkröten").
Schmidt, W. J. 1916 A, 9 ("schildkröten").
Schöne, G. 1902 A, 11 ("chelonier").
Seeley, H. G. 1872 A, 275 ("chelonians").
1872 B, 25, 38 ("chelonians").
1876 C, 172, 175.
1880 B.
1882 A, 366 (Chelonia).
1887 D, 338 (Chelonia).
1887 E, 197 ("chelonians").
1899 B, 70 ("chelonians").
1904 A, 342.
Serres, M. 1852 A, 115, 144 ("chéloniens").
Sewertzoff, A. N. 1904 A, 484 ("chelonier").
1908 A.
Seydel, O. 1899 A ("chelonier").
Shufeldt, R. 1921 A, 213 (Chelonia).
Siebenrock, F. 1909 A, 429, 432.
1919 A, 273.
Sixta, V. 1905 A, 678 ("chelonier").
Smith, G. E. 1912 A, 426 (Chelonia).
Smith, L. W. 1914 A, 548 ("turtles").
Sollas, W. J. 1916 A, 115.
Stannius, H. 1856 A, 7, 27 (Chelonia).
Stefano, G. 1917 A, 278 (Chelonia).
Stehli, G. 1910 A, 781 ("schildkröten").
Steiner, H. 1921 A, 538 ("chelonier").
1922 A, 330, 337 (Chelonia).

Steinmann, G. 1907 A, 433.
1908 A, 213 ("schildkröten").
1912 B, 731.
Stejneger, L. 1907 C, 483.
Stejneger and Barbour 1917 A, 111.
Strecker, C. 1887 A, 302 ("schildkröten").
Stromer, E. 1912 A, 94, 126 (Chelonia).
Sushkin, P. P. 1927 A, 307 ("chelonians").
Taschenberg, O. 1894 A, 3636 (Chelonia).
Terra, P. 1911 A, 242 (Chelonii).
Thäter, K. 1910 A, 471 ("schildkröten").
Thevenin, A. 1910 A, 59 ("chéloniens").
Thyng, F. W. 1906 A, 50.
Tornier, G. 1909 C, 547 ("schildkröten").
1913 A, 336 (Chelonia).
1913 B, 364, 374 (Chelonia).
Valliant, L. 1877 A, 13 ("chéloniens").
1877 C, 54 ("chéloniens").
1881 A, 1, 99 (Chelonia).
Van Bemmelen, J. F. 1928 A, 286 ("chéloniens").
Van den Broeck, E. 1900 A, 88 ("chéloniens").
Van Gelderen, C. 1925 A, 505 ("chelonier").
Versluys, J. 1912 B, 550, 574, 674, 687 (Chelonia).
1914 A, 791, 793 (Chelonia).
1914 B, 321-347.
1919 A, 7, 14.
Virchow, H. 1914 A, 79 ("schildkröten").
1919 A, 303 ("schildkröten").
1921 A, 139 ("schildkröten").
1926 A, 214 ("schildkröten").
Vitali, G. 1909 A, 212 ("cheloni").
Wagner, R. 1843 A (Chelonia).
Wallace, A. R. 1876 A, II, 567 (Chelonia).
Watson, D. M. S. 1914 B, 89 (Chelonia).
1914 H, 1011 (Chelonia).
1917 A, 984 ("tortoises").
1917 B, 60 (Chelonia).
1917 C, 177.
Wegner, R. N. 1922 A, 480.
Werner, F. 1904 A, 338 ("schildkröten").
Wieland, G. R. 1908 A, 516.
1911 A, 123.
1912 B, 299 ("turtles").
1923 A, 10.
Williston, S. W. 1902 G, 314 ("chelonians").
1904 B, 176.
1905 E, 294.
1907 A, 487 ("turtles").
1908 A, 148 (Chelonia).
1909 A, 394 ("turtles").
1910 A, 271 (Chelonia).
1912 E, 260 (Chelonia).
1914 A, 217 (Chelonia).
1916 B, 193 (Chelonia).
1917 C, 419 (Chelonia).
1918 A, 79 (Chelonia).
Woodward, A. S. 1888 N, 373 (Chelonia).
1888 O, 353 (Chelonia).
1922 C, 41 (Chelonia).
Woodward, H. 1904 B, 143 (Chelonia).
Zdansky, O. 1924 A, 89.
Zittel and Broili 1911 A, 241 (Testudinata); 254 (Chelonia); 252 (Cheloniidea).
1923 A, 246, 293, 383 ("schildkröten").
Zittel, Eastman, etc. 1902 A, 189 (Chelonia).

Suborder Eunotosauria Watson.

Watson, D. M. S. 1914 H, 1019, fig.
Nopcsa, F. 1928 A, 165.
Williston, S. W. 1925 B, 221.
Zittel and Broili 1923 A, 245, fig. 350.

No species are known from North America. The relations of the suborder to the Testudinata are uncertain.

Suborder Athecæ Cope.

Hay, O. P. 1902 A, 435.
Abel, O. 1901 B, 312.
Andrews, C. W. 1919 A, 314.
Cope, E. D. 1891 N, 39.
Dollo, L. 1886 B, 130.
1889 B, 668 ("athéques").
1903 A, 727 ("athéques").
1903 C, 849 ("athéques").
1907 D, 82 ("athéques").
1913 A, 50 ("athéques").
1923 C, 418 ("athéques").
Fejérváry, G. J. 1920 A, 347 ("atheken").
Fuchs, H. 1907 B, 423 (Atheca).
1909 B, 152.
Fürbringer, M. 1900 A, 631.
Gadow, H. 1898 A, 21.
1901 B, 333.
Harrassowitz, H. 1922 A, 220.
Hay, O. P. 1904 A, 265.
1908 A, 25, 43.
Hay, O. P. 1909 D, 341.
1922 C.
1922 E, 425, 440.
1928 A, 4.
Hilzheimer, M. 1913 A, 516.
Jaekel, O. 1902 B, 136.
1907 B, 64.
Kathariner, L. 1913 A, 373.
Kingsley, J. S. 1925 A, 44.
Nopcsa, F. 1923 H, 115 ("lederschildkröten").
Siebenrock, F. 1909 A, 428.
Stejneger, L. 1907 A, 185.
Tornier, G. 1913 B, 365.
Versluys, J. 1914 B, 339.
Völker, H. 1913 A, 485 (Atheca).
Werner, F. 1898 A, 280.
Williston, S. W. 1908 G, 803.
1925 B, 222.
Zittel and Broili 1911 A, 253.
1923 A, 307.

DERMOCHELYIDÆ.

Hay, O. P. 1902 A, 436.
Abel, O. 1901 A, 25.
1919 A, 404.
Arldt, T. 1907 D, 650.
Bonaparte, C. L. 1832 A, 313 (Sphargidina).
1833 B, 1183 (Sphargidina).

Boulenger, G. A. 1918 E, 515.
Carus, V. 1875 A, 400 (Sphargidinæ).
Cope, E. D. 1891 N, 39 (Dermochelydæ).
Dollo, L. 1889 B, 669 (Sphargidæ).
1901 A, 1-26.
1903 A, 727 (Sphargidæ).
Fraas, E. 1903 A, 96 (Dermochelydæ).
1905 B, 364 ("dermochelyden").
Fuchs, H. 1907 B, 423 (Sphargidæ).
1920 A, 357.
1920 B, 353 (Dermochelydæ).
Gadow, H. 1901 B, 333 (Sphargidæ).
Goette, A. 1899 A, 428 (Psephophoridæ).
Hay, O. P. 1901 C, 624 (Dermochelys).
1908 A, 14.
Jaekel, O. 1902 B, 132, 136 (Dermochelys).
1907 B, 49, figs. 34, 43 (Dermochelys).
1910 D, 116 ("dermochelyden").
1911 A, 187.
1916 A, 145 (Dermochelys).
Kathariner, L. 1913 A, 373 (Dermochelydæ).
Kingsley, J. S. 1925 A, 15 (Dermochelydæ).
Lull, R. S. 1924 A, 275 (Sphargidæ).
Lydekker, R. 1912 C, 28, 125.
Merriam, J. C. 1912 B, 222.
Newman, H. H. 1906 A, 72 (Dermochelydæ).
Nick, L. 1912 A, 7 (Dermochelydæ).
Nopcsa, F. 1923 H, 39, 122 (Dermochelynæ), 191 (Dermochelydæ).
1928 A, 167.
Owen, R. 1866 A, 61 (Sphargis).
Petronievics, B. 1919 A, 411 (Dermochelys).
Pictet, F. A. 1853 A, 462 ("les sphargis").
Rabl, C. 1903 A, 159, 164 ("dermochelyden").
Sewertzoff, A. N. 1908 A, 262 ("dermocheliden").
Siebenrock, F. 1909 A, 428, 551.
Stehli, G. 1910 A, 787, 789 (Dermochelydæ).
Stejneger, L. 1907 C, 485 (Dermochelidæ).
Thyng, F. W. 1906 A, 51.
Tornier, G. 1913 B, 365.
Vaillant, L. 1877 A, 14 (Sphargis).
1877 C, 55 (Sphargidina).
1881 A, 99 (Sphargidina).
Versluys, J. 1914 B, 321, seq.
Wieland, G. R. 1902 A, 97, et seq. (Dermochelys, Dermochelydidæ).
1903 A, 214 (Dermochelys).
Williston, S. W. 1914 A, 241 ("leather-back").
1925 A, 45.
1925 B, 225.
Woodward, A. S. 1888 O, 353 (Sphargidæ).
Zittel and Broili 1911 A, 253.
1923 A, 307.
Zittel, Eastman, etc. 1902 A, 197.

DERMOCHELYS Blainville. Type *Testudo coriacea* Linnæus.

Blainville, H. M. D. 1816, Jour. Phys., lxxxiii, 259.
Abel, O. 1901 A, 25.
1901 B, 297, 304 (Sphargis, Dermochelys).
1909 F, 469.
1912 F, 131, 528, 611, 668, fig. 469.
1919 A, 406, fig. 316.
1921 A, 193.
Andrews, C. W. 1919 A, 314.
Baur, G. 1888 A, 44.
Boulenger, G. A. 1889 A, 7, fig. 1.
1891 C, 8.
Broom, R. 1911 A, 921.
Burne, R. H. 1905 A, 291.
Case, E. C. 1898 C, 726.
Coker, R. E. 1910 A, 5.
Dollo, L. 1889 B, 669 (Dermatochelys).
1903 C, 801.
1923 C, 417.
Ford, J. 1879 A, 633 (Sphargis coriacea).
Fries, C. 1924 A, 279 ("lederschildkröte").
Fuchs, H. 1907 B, 423, pl. xx, figs. 1, 2 (Sphargis).
1909 B, 152.
1909 D, 55 (Sphargis).
1910 A, 84.
1912 B, 87.
1920 A.
1920 B.
Fürbringer, M. 1900 A, 320, fig. 82.
1904 A, 581.
Gadow, H. 1901 B, 333, fig. 73 (Sphargis).
Gray, J. E. 1873 D, 169, 171, pl. vi, fig. 5 (Sphargis).
Hay, O. P. 1901 C, 624.
1905 A, 147.
1908 A, 17.
1912 E, 218.
Hay, O. P. 1922 C.
1922 E, 421.
1928 A, 1-12.
Hoffmann, C. K. 1879 B, 53 (Sphargis).
Kathariner, L. 1913 A, 369.
Kingsley, J. S. 1925 A, 266, fig. 287 (Sphargis).
Klaauw, C. J. 1924 B, 592.
Le Conte, J. 1854 A, 186 (Sphargis).
Lydekker, R. 1901 B, 652 ("leather turtle").
Matthes, E. 1921 C, 113, 187.
Nick, L. 1912 A, 1-214, pls. i-ix.
Noble, G. K. 1923 A, 377.
Nopcsa, F. 1923 E, 1045, 1048, figs. 8, 9.
1923 F.
1923 H, 32-34, 37, 164, 186, 191.
1926 A, 656.
Owen, R. 1868 A, 909 (Sphargis).
Proctor, J. B. 1922 A, 516.
Rabl, C. 1903 A, 167.
Rathke, H. 1846 A, 161, 165 (Sphargis).
Reynolds, S. H. 1897 A, 538.
Rüschkamp, F. 1925 A, 133.
Schmidt, W. J. 1920 A, 10.
Siebenrock, F. 1909 A, 552.
Stannius, H. 1856 A (Sphargis).
Strasser, O. z. 1919 A, 134.
Vaillant, L. 1881 A, 47.
Van Bemmelen, J. F. 1928 A, 287, 288.
Versluys, J. 1908 A, xviii.
1909 A, 283, figs. A, B.
1910 A, 487.
1912 B, 576, 674.
1914 A, 791, figs. 1-3.
1914 B, 321-347, figs. 1, 3, 4.
1919 A, 5, fig. 2.
Völker, H. 1913 A, 432.
Watson, D. M. S. 1914 H, 1012.
Wieland, G. R. 1906 A, 289.

Wieland, G. R. 1906 B, 10, fig. 3.
1909 A, 129.
1909 B, 252.
1911 A, 112.
1912 A, 287.
Williston, S. W. 1908 G, 803.
1914 A, 241, fig. 128.
Williston, S. W. 1925 B, 223.
Woodward, A. S. 1888 O, 353.
Zdansky, O. 1924 A, 93.
Zittel and Broili 1911 A, 253.
1923 A, 297, 307.

No fossil species of this genus are recognized from North America.

Psephophorus Meyer. Type *P. polygonus* Meyer.

Meyer, H. 1847, Neues Jahrb. Min. Geol., 579.
Abel, O. 1901 B, 304.
1909 F, 469.
1912 F, 615.
1919 A, 406, fig. 315.
1921 A, 193.
Andrews, C. W. 1901 A, 440, fig. 3.
1906 A, xxiv, 275.
1916 B, 519.
1919 A, 314.
Boulenger, G. A. 1891 C, 8.
Dollo, L. 1888 C, 66, pl. iv, fig. 7 (Sphargis rupeliensis).
1903 C.
1919 A, 13.
Fries, C. 1924 A, 279.
Gadow, H. 1901 B, 337.
Goette, A. 1899 A, 426.
Hay, O. P. 1905 A, 160.
Jaekel, O. 1907 B, 51, fig. 35.
Lydekker, R. 1889 G, 224.
Nopcsa, F. 1923 H, 191.
Oswald, F. 1909 A, 124.
Seeley, H. G. 1880 B, 406.
Stromer, E. 1916 A, 405.
Versluys, J. 1914 B, 323, 343.
Völker, H. 1913 A, 535.
Wieland, G. R. 1909 A, 125.
Williston, S. W. 1925 B, 226.
Woodward, A. S. 1898 B, 174.
Zittel, K. A. 1890 A, 520.
Zittel and Broili 1911 A, 254.
1923 A, 308.
Zittel and Eastman, etc. 1902 A, 197.

Psephophorus calvertensis Palmer.

Palmer, W. 1909 A, 370, pl. xxxi.

Upper or Middle Miocene (Calvert); Maryland.

Psephophorus sp. indet.

Abel, O. 1901 A, 25 (Not Psephophorus).
Müller, J. 1849 A, 34, pl. xxvii, fig. 7 ("Dermatochelys"?).
Winge and Miller 1921 A, 56. Eocene (Jackson); Alabama. This genus?.

Suborder Thecophora Dollo.

Hay, O. P. 1902 A, 436.
Abel, O. 1901 B, 316 ("thecophoren").
1904 B, 743 ("thecophoren").
Arldt, T. 1909 D, 652.
Coker, R. E. 1910 A, 5.
Dollo, L. 1886 B, 130.
1887 B, 392.
1889 B, 669 ("thécophores").
1901 A, 9.
1903 A, 727 (thécophores).
1913 A, 51 (thécophores).
1923 C, 418 ("thécophores").
Fejérváry, G. J. 1920 A, 347.
Fuchs, H. 1907 B, 425.
1909 B, 152.
Fuchs, H. 1920 A, 356 ("thecophoren").
Fürbringer, M. 1900 A, 631.
Gadow, H. 1901 B, 338.
Hay, O. P. 1908 A, 43.
1909 D, 341.
1922 C.
1922 E, 425, 439.
1928 A, 4.
Siebenrock, F. 1909 A, 428.
Tornier, G. 1913 B, 365 (Tecophora).
Versluys, J. 1914 B, 339.
Völker, H. 1913 A, 526 ("thecophoren").
Werner, F. 1898 A, 280.
Williston, S. W. 1908 G, 803.
1925 B, 222.

Superfamily PLEUROSTERNOIDÆ, new name.

Unless otherwise stated the authors, as cited, employ the name Amphichelydia.
Abel, O. 1919 A, 411 (Amphichelyidæ).
Andrews, C. W. 1921 A, 152.
Arldt, T. 1907 D, 637 (Amphichelydidæ).
1909 D, 652 ("amphichelydiden").
Baur, G. 1891 E, 638.
Fraas, E. 1913 B, 14.
Fuchs, H. 1920 A, 357 ("amphichelydide").
Cooper, C. F. 1922 C, 156 (Amphichelyidæ).
Harrassowitz, H. 1922 A, 183.
Hay, O. P. 1904 A, 264.
1905 A, 137.
1905 D, 125.
1905 G, 331.
1905 H, 296.
Hay, O. P. 1905 J, 992.
1908 A, 43.
1912 E, 219.
1922 E, 425.
Huene, F. 1926 G, 511, 514 ("amphichelydiden").
Jaekel, O. 1911 A, 185 (Amphichelydii).
1916 A, 206 (Amphychelidea).
Lydekker, R. 1912 C, 28.
Matthew, W. D. 1915 K, 437.
Nopcsa, F. 1922 D, 156 (Amphichelydidæ).
1923 E, 1047 (Amphichelydia).
1923 F (Amphychelyia, Amphichelyidæ).
1923 H, 35, 39, 121, 168, tab. (Amphichelydæ).
1926 A, 651 (Amphichelyda).
1928 A, 165 (Amphichelonoidea).

Thyng, F. W. 1906 A, 51.
Versluys, J. 1914 A, 794.
Watson, D. M. S. 1907 A, 314.
1914 H, 1013.
1917 C, 178.
Wegner, T. 1911 A, 122.
Williston, S. W. 1908 G, 804.
1914 A, 223.
1925 B, 210, 223.
Zittel and Broili 1911 A, 247 (Amphichelydidæ).
1923 A, 300.
Zittel, Eastman, etc. 1902 A, 204, 206.

PLEUROSTERNIDÆ Cope.

Cope, E. D. 1868 B, 282.
Hay, O. P. 1902 A, 437, in part.
Abel, O. 1919 A, 411.
Arldt, T. 1912 A, 668, 678.
Ballerstedt, M. 1921 A, 65 (Pleurosternum).
Cope, E. D. 1873 E, 621 (Baënidæ).
1882 E, 143.
Gilmore, C. W. 1920 A, 11.
Hay, O. P. 1908 A, 45.
Marsh, O. C. 1890 E, 178 (Glyptopsidæ).
Matthew, W. D. 1921 D, 211.
Nopcsa, F. 1923 H, 122 (Pleurosternidæ, Pleurosterninæ).
1928 A, 165 (Pleurosternidæ, Pleurosterninæ).
Watson, D. M. S. 1907 A, 314.
Williston, S. W. 1925 B, 223.
Zittel, Eastman, etc. 1902 A, 207.

GLYPTOPS Marsh. Type *G. ornatus* Marsh = *Compsemys plicatulus* Cope.

Marsh, O. C. 1890 E, 177.
Hay, O. P. 1902 A, 437 (Compsemys, in part).
Andrews, C. W. 1921 A, 150, 152.
Hay, O. P. 1908 A, 45.
Huene, F. 1926 G, 511.
Nopcsa, F. 1923 D, 104.
1923 F.
1923 H, 32, 35, 36, 191.
Oertel, W. 1914 A, 105.
Simpson, G. G. 1926 E, 7.
Völker, H. 1913 A, 493.
Watson, D. M. S. 1910 A, 311.
Williston, S. W. 1925 B, 223.
Zittel and Broili 1923 A, 301.

Glyptops? belviderensis (Cragin).

Hay, O. P. 1902 A, 439 (Plesiochelys).
1908 A, 53, pl. vii, figs. 3, 4.
Lower Cretaceous (Comanche); Kansas.

Glyptops cælatus Hay.

Hay, O. P. 1908 A, 46, 52, pl. vii, figs. 1, 2; text-figs. 28-31.
Gilmore, C. W. 1916 A, 11.
1921 E, 590.
Lower Cretaceous (Potomac); Maryland.

Glyptops depressus Hay.

Hay, O. P. 1908 A, 46, 55, text-figs. 33, 34.
Bowen, C. F. 1915 A, 126.
Gilmore, C. W. 1916 A, 11.
1920 A, 23.
Upper Cretaceous (Denver or Arapahoe); Colorado.

Glyptops pervicax Hay.

Hay, O. P. 1908 A, 46, 54, text-fig. 32.
Gilmore, C. W. 1916 A, 11.
Upper Cretaceous (Benton); Montana.

Glyptops plicatulus (Cope).

Hay, O. P. 1902 A, 437 (Compsemys).
Gilmore, C. W. 1909 B, 39 (G. ornatus).
1914 A, 4, 25.
1916 A, 7.
Hay, O. P. 1908 A, 20, 46, 47, pls. v, vi; text-figs. 17-27.
1908 D, 161, text-fig. 1.
Huene, F. 1926 G, 511 (G. plicatilis).
Merrill, G. P. 1907 A, 72 (G. ornatus).
Mook, C. C. 1916 A, 155 (Compsemys, Glutops ornatus).
Nopcsa, F. 1923 F, 14, 15.
Stromer, E. 1912 A, 95, fig. 93.
Watson, D. M. S. 1910 A, 314.
Williston, S. W. 1905 B, 346 [Compsemys plicatulus (Glutops ornatus)].
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming, Colorado.

Glyptops utahensis Gilmore.

Gilmore, C. W. 1916 A, 7, pls. i, ii; text-figs. 1, 2.
Upper Jurassic or Lower Cretaceous (Morrison); Utah.

NEURANKYLUS Lambe. Type *N. eximius* Lambe.

Lambe, L. M. 1902 A, 42.
Gilmore, C. W. 1916 D, 289.
1920 A, 11.
Hay, O. P. 1908 A, 93.
Nopcsa, F. 1923 F, 15.
1923 H, 35.
Williston, S. W. 1925 B, 224.

Neurankylus baueri Gilmore.

Gilmore, C. W. 1916 D, 290, pls. lxxiv, lxxv; text-figs. 32, 33.
1919 C, 113.
Gilmore, C. W. 1920 A, 8, 10, 11.
Reeside, J. B. 1924 A, 23.
Upper Cretaceous (Kirtland); New Mexico.

Neurankylus eximius Lambe.

Lambe, L. M. 1902 A, 42, text-fig. 7.
Bowen, C. F. 1915 A, 122.
Brown, B. 1914 E, 378.
Gilmore, C. W. 1916 D, 289, fig. 31.
Hatcher, J. B. 1905 B, 79.
Hay, O. P. 1908 A, 94, text-fig. 90.
Knowlton, F. H. 1911 C, 59, 62.

Lambe, L. M. 1904 C, 22, 37, 47.
1906 A, 194.
Matthew, W. D. 1916 A, 484.
Osborn, H. F. 1902 H, 674.
1902 I, 12, 17.
Upper Cretaceous (Belly River); Alberta.

Neurankylus wyomingensis Gilmore.

Gilmore, C. W. 1919 C, 113-115, pls. xxix, xxx.
Upper Cretaceous (Colorado); Wyoming.

BAËNIDÆ Cope.

Cope, E. D. 1883 E, 143.
Hay, O. P. 1902 A, 437 (Pleurosternidæ, in part).
Arldt, T. 1912 A, 668, 678, 688, 714.
Cooper, C. F. 1922 C, 156.
Cope, E. D. 1880 U, 152.
Gilmore, C. W. 1920 A, 24.
Hay, O. P. 1903 B, 203.
1908 A, 18, 56.
1922 E, 438.
Huxley, T. H. 1887 C, 234.
Lydekker, R. 1886 G, 522.
Matthew, W. D. 1914 B, 387.
1921 D, 211, 214.
Nopcsa, F. 1922 D, 156.
1923 H, 39.
1928 A, 165 (Baëninæ).
Stefano, G. 1917 A, 282, 286.
Watson, D. M. S. 1907 A, 314.
Williston, S. W. 1925 B, 224.

PROBAËNA Hay. Type *P. sculpta* Hay.

Hay, O. P. 1903 B, 201.
1908 A, 58.
Nopcsa, F. 1923 H, 35.
Simpson, G. G. 1926 E, 7.
1926 H, 204.
Williston, S. W. 1925 B, 224.
Zittel and Broili 1911 A, 248.
1923 A, 301.

Probaëna sculpta Hay.

Hay, O. P. 1903 B, 201, pl. iii, figs. 1, 2.
Gilmore, C. W. 1914 A, 25.
Hay, O. P. 1908 A, 58, pl. vii, fig. 5.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

BAËNA Leidy. Type *B. arenosa* Leidy.

Leidy, J. 1870 S, 123.
Hay, O. P. 1902 A, 437.
Boulenger, G. A. 1918 E, 515.
Dollo, L. 1886 A, pl. ii, fig. 11.
Fraas, E. 1913 B, 15, 29.
Gilmore, C. W. 1917 A, 107.
1920 A.
Hay, O. P. 1901 A, 325.
1903 B, 201.
1903 H, 350.
1904 A, 265.
1905 A, 138.
1905 G, 331.
1905 I, 297.
1908 A, 20, 59.
1922 E, 438.
Leidy, J. 1873 B, 161, 341, pl. xiii, figs. 1-3; pl. xvi, figs. 8-9.
Lydekker, R. 1889 E, 518.
Nopcsa, F. 1923 F.
1923 H, 31, 32, 34-36, 186, 191, pl. v, fig. 6.
Osborn, H. F. 1902 H, 673.
Williston, S. W. 1902 K, 953.
1925 B, 224.
Zittel and Broili 1911 A, 248.
1923 A, 301.
Zittel, Eastman, etc. 1902 A, 207.

Baëna antiqua Lambe.

Lambe, L. M. 1902 A, 44, text-fig. 10.
Bowen, C. F. 1915 A, 122.
Brown, B. 1914 E, 378.
Gilmore, C. W. 1919 C, 116-119, pls. xxxi, xxxii; text-figs. 1, 2.
Hatcher, J. B. 1905 B, 78.
Hay, O. P. 1905 B, 182.
1908 A, 62, text-figs. 37, 38.
Knowlton, F. H. 1911 C, 59, 63.
Lambe, L. M. 1904 C, 22, 37, 47.
1906 A, 189.
1906 B, 233.
1907 B, 179.
Matthew, W. D. 1916 A, 484.
Nopcsa, F. 1923 F, 15, 16.
Osborn, H. F. 1902 H, 674.
1902 I, 12, 17.
Upper Cretaceous (Belly River); Alberta.

Baëna arenosa Leidy.

Hay, O. P. 1902 A, 437.
Gilmore, C. W. 1915 H, 107, pl. xviii, fig. 1; text-fig. 1.
Hay, O. P. 1905 A, 140.
1908 A, 67, pls. xii, xiii, fig. 1; pl. xiv, figs. 1-3; text-figs. 44-51.
Huene, F. 1926 G, 511.
Lambe, L. M. 1906 B, 233.
Merrill, G. P. 1907 A, 64.
Middle Eocene (Bridger); Wyoming.

Baëna callosa Hay.

Hay, O. P. 1905 B, 178, text-figs. 1, 2.
Bowen, C. F. 1915 A, 122.
Hay, O. P. 1908 A, 60, pl. viii, fig. 1; text-figs. 35, 36.
Upper Cretaceous (Judith River); Montana.

Baëna clara Hay.

Hay, O. P. 1908 A, 74, pl. xvi, figs. 1, 2; text-figs. 57, 58.
Gilmore, C. W. 1915 H, 116.
Nopcsa, F. 1923 F, 14, 15, 16.
Middle Eocene (Bridger); Wyoming.

Baëna emiliæ Hay.

Hay, O. P. 1908 A, 80, pl. xx, figs. 1, 2; text-figs. 67, 68.
Gilmore, C. W. 1915 H, 109.
Upper Eocene (Uinta); Utah.

Baëna escavada Hay.

Hay, O. P. 1908 A, 65, pl. xi, figs. 1, 2; text-figs. 42, 43.
Gilmore, C. W. 1920 A, 10.
Matthew, W. D. 1914 B, 383.
Reeside, J. B. 1924 A, 42.
Paleocene (Torrejon); New Mexico.

Baëna gigantea Gilmore.

Gilmore, C. W. 1915 H, 116, pl. xx, figs. 1, 2; text-figs. 5-7.
Upper Eocene (Uinta); Utah.

Baëna hatcheri Hay.

Hay, O. P. 1901 A, 325, pl. xv.
Bowen, C. F. 1915 A, 122.
Gilmore, C. W. 1915 H, 117.
1916 D, 293.
1919 C, 123.
Hatcher, J. B. 1903 D, 372.
1905 B, 79.
Hay, O. P. 1903 D, 118.
1904 A, 261.
1905 B, 181.
1908 A, 63, pls. ix, x; text-figs. 40, 41.
Knowlton, F. H. 1911 C, 59, 63.
Lambe, L. M. 1902 A, 43, figs. 8, 9.
1904 C, 22, 36, 47.
1906 B, 233.
Nopcsa, F. 1923 F, 15.
Osborn, H. F. 1902 H, 674.
1902 I, 12, 17.
Williston, S. W. 1902 K, 953.
Upper Cretaceous (Lance); Wyoming: (Belly River); Alberta.

Baëna hayi Gilmore.

Gilmore, C. W. 1916 C, 641, pls. xxxii, xxxiii.
Nopcsa, F. 1923 F, 14.
Upper Cretaceous (Lance); Wyoming.

Baëna inflata Gilmore.

Gilmore, C. W. 1915 H, 112, pl. xix; text-figs. 2, 3.
Upper Eocene (Uinta); Utah.

Baëna marshi Hay.

Hay, O. P. 1904 A, 261, pl. xi; text-fig. 1.
Bowen, C. F. 1915 A, 122.
Hay, O. P. 1905 B, 181.
1908 A, 62, pl. viii, fig. 2; text-fig. 39.
Lambe, L. M. 1906 B, 233.
Upper Cretaceous (Lance); Wyoming.

Baëna nodosa Gilmore.

Gilmore, C. W. 1916 D, 293, pl. lxxvi; text-figs. 34, 35.
1920 A, 8, 10, 24.
Reeside, J. B. 1924 A, 21, 23, 27.
Upper Cretaceous (Kirtland, McDermott, Fruitland); New Mexico.

Baëna platyplastra Gilmore.

Gilmore, C. W. 1915 H, 120, pl. xviii, fig. 2; text-fig. 8.
Upper Eocene (Uinta); Utah.

Baëna riparia Hay.

Hay, O. P. 1908 A, 76, pls. xvii-xix, figs. 1-3; text-figs. 59-66.
Huene, F. 1920 D, 166.
Nopcsa, F. 1923 F, 13, 16.
Völker, H. 1913 A, 493.
Middle Eocene (Bridger); Wyoming.

Baëna sima Hay.

Hay, O. P. 1908 A, 71, pl. xiii, figs. 2, 3; pl. xiv, figs. 4-6; pl. xv; text-figs. 52-56.
Gilmore, C. W. 1915 H, 112.
Huene, F. 1926 G, 511.
Nopcsa, F. 1923 D, 104.
1923 F, 2.
Middle Eocene (Bridger); Wyoming.

Baëna sp. indet.

Gilmore, C. W. 1920 A, 8, 24. Upper Cretaceous (Kirtland); 10, 24: Paleocene (Torrejon); 9, 24 (Puerco); New Mexico.
1924 D, 27. Upper Cretaceous (Lance); Saskatchewan.
Reeside, J. B. 1924 A, 38. Upper Cretaceous (Puerco); New Mexico.
Sternberg, C. M. 1924 A, 68. Upper Cretaceous (Lance); Saskatchewan.

EUBAENA Hay. Type *E. cephalica* Hay.

Hay, O. P. 1908 A, 82.
1910 B, 294.
Nopcsa, F. 1923 F, 6.
Williston, S. W. 1925 B, 224.

Eubaëna cephalica Hay.

Hay, O. P. 1904 A, 263, pl. xii, figs. 1-3 (Baëna).
Bowen, C. F. 1915 A, 126.
Hay, O. P. 1905 A, 138 (Baëna).
1908 A, 82, pl. xix, fig. 4; pl. xxi, figs. 1-2.
Lambe, L. M. 1906 B, 233 (Baëna).
Nopcsa, F. 1923 F, 2.
Upper Cretaceous (Lance); Wyoming.

Eubaëna latifrons Hay.

Hay, O. P. 1908 A, 83, text-figs. 69, 70.
Bowen, C. F. 1915 A, 126.
Upper Cretaceous (Lance); Wyoming.

CHISTERNON Leidy. Type *C. undatum* Leidy.

Leidy, J. 1872 L, 162.
Hay, O. P. 1902 A, 436 (Baëna, in part).
Harrassowitz, H. 1922 A, 183.
Hay, O. P. 1908 A, 20, 84.
Nopcsa, F. 1923 E, 1053.
1923 F.
1923 H, 34, 35 (Chisternum).

Chisternon hebraicum (Cope).

Cope, E. D. 1872 NN, 4 (Baëna).
Hay, O. P. 1902 A, 438 (Baëna).
1906 C, 156, text-fig. 1.
1908 A, 87, pl. xxi, figs. 3, 4; pl. xxiii, fig. 1; text-figs. 76-87.
Lambe, L. M. 1906 B, 233 (Baëna).
Merrill, G. P. 1907 A, 64 (Baëna).
Nopcsa, F. 1923 D, 104.
Völker, H. 1913 A, 492.
Middle Eocene (Bridger); Wyoming.

Chisternon? interpositum Hay.

Hay, O. P. 1909 B, 194, text-figs. 2, 3.
Paleocene (Fort Union); Montana.

Chisternon undatum Leidy.

Hay, O. P. 1902 A, 438 (Baëna).
1905 A, 138, 140, text-figs. 1-3 (Baëna).
1906 C, 156.
1908 A, 85, pl. xxii; text-figs. 71-75.
Middle Eocene (Bridger); Wyoming.

BOREMYS Lambe. Type *Baëna pulchra* Lambe.

Lambe, L. M. 1906 B, 232.
Hay, O. P. 1908 A, 91.
1909 B, 194.
Nopcsa, F. 1923 H, 35, 36.
Versluys, J. 1914 A, 801.
1914 B, 337, 338.
Williston, S. W. 1925 B, 224.

Boremys albertensis Gilmore.

Gilmore, C. W. 1919 C, 119-123, pls. xxxiii, xxxiv; text-figs. 3, 4.
Nopcsa, F. 1923 F, 14.
Upper Cretaceous (Belly River); Alberta.

Boremys pulchra Lambe.

Lambe, L. M. 1906 A, 189, pl. iii, fig. 4; pl. iv (Baëna).
Bowen, C. F. 1915 A, 122.
Brown, B. 1914 E, 378.
Gilmore, C. W. 1919 C, 121.
Hay, O. P. 1906 C, 156.
1908 A, 92, text-figs. 88, 89.
Lambe, L. M. 1906 B, 232.
1914 A, 13, text-figs.
1914 F, 294.
Matthew, W. D. 1916 A, 484.
Nopcsa, F. 1923 F, 14, 15.
Upper Cretaceous (Belly River); Alberta.

THESCELUS Hay. Type *T. insiliens* Hay.

Hay, O. P. 1908 A, 94.
1910 B, 294.
Nopcsa, F. 1923 H, 35.
1928 A, 165.
Williston, S. W. 1925 B, 224.

Thescelus insiliens Hay.

Hay, O. P. 1908 A, 95, pls. xxiv, xxv.
Bowen, C. F. 1915 A, 126.
Brown, B. 1914 E, 380.
Upper Cretaceous (Lance); Wyoming.

Thescelus rapiens Hay.

Hay, O. P. 1908 A, 97, figs. 91, 92.
Brown, B. 1910 A, 269 (T. repiens).
1914 E, 380.
Gilmore, C. W. 1916 D, 295, fig. 36.
1920 A, 9.
Reeside, J. B. 1924 A, 31.
Sinclair and Granger 1914 A, 303.
Upper Cretaceous (Ojo Alamo); New Mexico.

Thescelus sp. indet.

Gilmore, C. W. 1924 D, 27 (This genus?).
Upper Cretaceous (Lance); Saskatchewan.
Sternberg, C. M. 1924 A, 68. Upper Cretaceous (Lance); Saskatchewan.

CHARITEMYS Hay. Type *C. captans* Hay.

Hay, O. P. 1908 A, 98.
Williston, S. W. 1925 B, 224.

Charitemys captans Hay.

Hay, O. P. 1908 A, 98, text-figs. 93-95.
Upper Cretaceous (Judith River); Montana.

POLYTHORAX Cope. Type *P. missuriensis* Cope.

Hay, O. P. 1902 A, 438.
1908 A, 18, 100.
Nopcsa, F. 1928 A, 165.
Williston, S. W. 1925 B, 224.

Polythorax missuriensis Cope.

Hay, O. P. 1902 A, 438.
Bowen, C. F. 1915 A, 126.
Hatcher, J. B. 1905 B, 77.
Hay, O. P. 1908 A, 100.
Knowlton, F. H. 1911 C, 59, 62.
Osborn, H. F. 1902 H, 674.
1902 I, 12, 17.
Upper Cretaceous (Judith River); Montana.

NAOMICHELYS Hay. Type *N. speciosa* Hay.

Hay, O. P. 1908 A, 101.
Nopcsa, F. 1923 H, 166, 191.
Williston, S. W. 1925 B, 224.

Naomichelys speciosa Hay.

Hay, O. P. 1908 A, 101, pl. xl, figs. 2, 3.
Upper Jurassic or Lower Cretaceous (Morrison); Montana.

Superfamily CHELYDOIDÆ, new name.

Unless otherwise indicated the authors, as cited, use for this group the name *Pleurodira*.

Hay, O. P. 1902 A, 436.
Abel, O. 1919 A, 406.
1920 A, 363.
Andrews, C. W. 1906 A, xxiv.
Arldt, T. 1907 D, 674.
1909 D, 652 ("pleurodiren").
Baur, G. 1891 E, 631.
Boulenger, G. A. 1918 E, 515 ("pleurodires").
Case, E. C. 1898 C, 728.
Cope, E. D. 1891 N, 39.
Diener, C. 1909 A, 36.
Dollo, L. 1886 B, 130.
1889 B, 669.
1903 A, 19 ("pleurodères").
1903 C, 807 ("pleurodères").
1913 A, 50 ("pleurodères").
1913 B, 623 ("pleurodères").
Fraas, E. 1903 A, 88, 100.
Fuchs, H. 1907 B, 433.
1908 C, 155 ("pleurodiren").
1909 B, 143 ("pleurodiren").
1912 B, 83 ("pleurodiren").
1920 A, 370.
1920 B, 12.
Gadow, H. 1901 B, 388.
1905 B, 639 (Pleurodires).
Hay, O. P. 1905 A, 137, 170.
1905 D, 125.
1905 G, 331.
1905 I, 297.
1905 J, 992.
1908 A, 12, 34, 43, 102.
1912 E, 219.
1922 E, 421, 439.
1928 A, 6.
Jaekel, O. 1911 A, 185 (Pleurodiri).
1916 A, 206, 213 ("pleurodiren").
Kasper, A. 1903 A, 137, 147.
Koken, E. 1893 B, 272, 397.
Lydekker, R. 1889 E (Pleurodira, Amphichelydia).
1912 C, 28, 127.
Matthew, W. D. 1915 A, 284.
1915 K, 437.
Nopcsa, F. 1923 F.
1923 H, 36, 37, 39, 122, 165, 167, 168, tab.
1928 A, 166 (Pleurodira).
Reynolds, S. H. 1897 A, 195.
Siebenrock, F. 1906 A, 829 (Chelydidæ).
1909 A, 554.
Siegelbauer, F. 1909 A, 185 (Pleurodiræ).
Stannius, H. 1856 A (Emydea monimopelyca).
Stehli, G. 1910 A, 788.
Steinmann, G. 1907 A, 435.
Stromer, E. 1912 A, 96.
Tornier, G. 1913 B, 365.
Valliant, L. 1881 A.
Versluys, J. 1914 A, 793.
1914 B, 325 ("pleurodiren").
1919 A, 15 ("pleurodiren").
Waite, E. R. 1905 A, 117.
Wamich, P. 1913 A, 14 ("pleurodiren").
Watson, D. M. S. 1914 H, 1012 (Pleurodeira).
1917 C, 177 (Pleurodeira).
Williston, S. W. 1908 G, 804.
1914 A, 16, 45, 222, 224.
1925 A, 198.
1925 B, 210, 223, 224.
Woodward, A. S. 1888 O, 352.
1898 B, 175.
1901 B, 182.
Zdansky, O. 1924 A, 91, 98.
Zittel and Broili 1911 A, 247.
1923 A, 302.
Zittel, Eastman, etc. 1902 A, 203.

BOTHREMYDIDÆ Baur.

Hay, O. P. 1902 A, 438 (Pelomedusidæ).
Arldt, R. 1912 A, 688.
Hay, O. P. 1908 A, 102.
Nopcsa, F. 1923 H, 122, 193.
1928 A, 166.
Zittel and Broili 1911 A, 248.
1923 A, 303.

BOTHREMYS Leidy. Type *B. cookii* Leidy.

Hay, O. P. 1902 A, 438.
1908 A, 102.
Nopcsa, F. 1928 A, 166.
Williston, S. W. 1901 B, 198.
1925 B, 224.
Zittel and Broili 1911 A, 248.

Bothremys cookii Leidy.

Hay, O. P. 1902 A, 438.
1908 A, 103, pl. xxiii, figs. 2, 3; text-figs. 96, 97.

Upper Cretaceous? (Navesink-Hornerstown?); New Jersey.

TAPHROSPHYS Cope. Type *Platemys sulcatus* Leidy.

Hay, O. P. 1902 A, 438.
1908 A, 102, 104.
Nopcsa, F. 1923 F, 17.
1928 A, 166.
Williston, S. W. 1925 B, 224.

Taphrosphys dares Hay.

Hay, O. P. 1908 A, 120, text-figs. 121-124.
Stephenson, L. W. 1912 A, 120.

Upper Cretaceous (Ripley); Georgia. Also in Black Creek formation, North Carolina, *fide* Gilmore.

Taphrosphys leslianus Cope.

Hay, O. P. 1902 A, 438.
1908 A, 111, text-figs. 103-106.
Upper Cretaceous; New Jersey.

Taphrosphys longinuchus Cope.

Hay, O. P. 1902 A, 438.
1908 A, 108, text-figs. 101, 102.
Upper Cretaceous? (Hornerstown?); New Jersey.

Taphrosphys molops Cope.

Hay, O. P. 1902 A, 438.
Cope, E. D. 1869 M, 158, 159, figs. 43, 44, pl. vii; fig. 16.
Hay, O. P. 1908 A, 115, text-figs. 112-120.
Upper Cretaceous? (Navesink); New Jersey.

Taphrosphys nodosus Cope.

Hay, O. P. 1902 A, 438.
1908 A, 122.
Upper Cretaceous? (Hornerstown); New Jersey.

Taphrosphys strenuus Cope.

Hay, O. P. 1902 A, 438.
Dall and Harris 1892 A, 85 (Taphrasphys).
Hay, O. P. 1908 A, 114, text-figs. 107-111.
Upper Cretaceous? (Navesink-Hornerstown); New Jersey.

Taphrosphys sulcatus (Leidy).

Hay, O. P. 1902 A, 439.
Cope, E. D. 1869 M, 159, 164, text-figs. 45, 45*bis* (Taphrosphys); 165, pl. xi, fig. 2 (Prochonias).
Hay, O. P. 1908 A, 106, text-figs. 98-100.
Upper Cretaceous (Tinton); New Jersey.

AMBLYPEZA Hay. Type *A. entellus* Hay.

Hay, O. P. 1908 A, 102, 122.
Nopcsa, F. 1928 A, 166.
Williston, S. W. 1925 B, 224.

Amblypeza entellus Hay.

Hay, O. P. 1908 A, 122, figs. 125, 132.
Upper Cretaceous? (Greensand); New Jersey.

NAIADOCHELYS Hay. Type *N. ingravata* Hay.

Hay, O. P. 1908 A, 102, 125.
Nopcsa, F. 1928 A, 166.
Williston, S. W. 1925 B, 224.
Zittel and Broili 1911 A, 248.

Naiadochelys ingravata Hay.

Hay, O. P. 1908 A, 125, text-fig. 133.
Upper Cretaceous (Mesa Verde); New Mexico.

Superfamily THALASSEMYDOIDÆ, new name.

Zittel, Eastman, etc. 1902 A, 199 (Chelydroidea, in part).

THALASSEMYDIDÆ Rütimeyer.

Hay, O. P. 1902 A, 440.
Abel, O. 1919 A, 397 ("thalassemydiden").
Arldt, T. 1907 D, 645 (Chelonemydidæ); 685 (Thalassemydidæ).
Dollo, L. 1887 B, 393 (Propleuridæ).
1903 A, 813 ("thalassémydes").
1903 C ("thalassémydes").
Fraas, E. 1903 A, 88.
1905 B, 364 ("thalassemyden").
Fuchs, H. 1909 B, 152.
1920 A, 357 (Thalassemydæ).
Gadow, H. 1901 B, 380.
Hay, O. P. 1905 A, 146, 148.
1908 A, 126.
Hoernes, R. 1886 A, 591 (Thalassemidæ).
Lydekker, R. 1889 A, 147 (Acichelyidæ).
Nopcsa, F. 1923 F, 13, 16, 122 (Thalassemyidæ); 35, 36, 39, 122 (Cheloniidæ, in part); 122 (Lytolominæ).
Nopcsa, F. 1928 A, 166 (Thalassemydidæ, Thalassemydinæ).
Rütimeyer, L. 1873 A, 125 ("thalassemyden"); 173 ("chelonemyden").
Tornier, G. 1913 B, 365.
Wegner, T. 1911 A, 105.
Wieland, G. R. 1904 A, 127 (Propleuridæ, Lytolomidæ).
1904 B, 193 (Propleurinæ).
Williston, S. W. 1925 B, 225.
Zittel and Broili 1911 A, 250.
1923 A, 304.
Zittel, Eastman, etc. 1902 A, 199.

The genera here included under the name Thalassemydidæ may, on further increase of knowledge, be distributed among two or more families.

OSTEOPYGIS Cope. Type *O. emarginatus* Cope.

Hay, O. P. 1902 A, 441.
Abel, O. 1919 A, 401.
Dollo, L. 1886 B, 131.
Hay, O. P. 1905 A, 152.
1908 A, 127.
Heilprin, A. 1887 A, 315.
Nopcsa, F. 1923 F.
1923 H, 37, 191.
1926 A, 656.
Wieland, G. R. 1902 A, 108.
1904 A, 118 (Osteopygis); 125, 129 (Propleura).

Wieland, G. R. 1904 B, 188, 192, 193 (Osteopygis); 188 (Propleura).
1905 A, 329.
Williston, S. W. 1925 B, 225.
Zittel and Broili 1911 A, 251.
1923 A, 305.
Zittel, Eastman, etc. 1902 A, 198.

Osteopygis borealis (Wieland).

Wieland, G. R. 1904 A, 129, pl. ix (Propleura).
Hay, O. P. 1902 A, 441 (Osteopygis sopitus, in part).
Cope, E. D. 1868 E, 147 (Osteopygis sopitus).
1869 B, 735 (Propleura sopita).
1869 K, 88 (Propleura sopita).
1869 M, 140, pl. vii, figs. 4-7; text-fig. 39 (Propleura sopita).
1875 E, 258 (Osteopygis sopitus, in part).
Hay, O. P. 1908 A, 128, 141, pl. xxvi, fig. 3; text-figs. 163-171.
Wieland, G. R. 1904 B, 190, fig. 4 (Propleura).
Upper Cretaceous? (Hornerstown?); New Jersey.

Osteopygis chelydrinus Cope.

Hay, O. P. 1902 A, 441.
1908 A, 128, 136, pl. xxiii, figs. 4-7; pl. xxviii, figs. 1-4; text-figs. 152-154.
Upper Cretaceous (Navesink); New Jersey.

Osteopygis emarginatus Cope.

Hay, O. P. 1902 A, 441.
1908 A, 128, 129, text-figs. 134-141.
Wieland, G. R. 1904 A, 126.
Upper Cretaceous (Navesink); New Jersey.

Osteopygis erosus Cope.

Hay, O. P. 1902 A, 441.
1908 A, 128, 138, pl. xxvi, fig. 2; text-figs. 155-162.
Wieland, G. R. 1904 A, 130 (Propleura).
Upper Cretaceous? (Navesink-Hornerstown); New Jersey.

Osteopygis gibbi Wieland.

Wieland, G. R. 1904 A, 118, pls. v-viii; text-figs. 3-8.
Hay, O. P. 1908 A, 128, 132, pl. xxvi, fig. 1; pl. xxvii, figs. 1, 2; text-figs. 142-146.
Nopcsa, F. 1923 F, 20.
Wieland, G. R. 1904 B, 188.
1906 B, 12, fig. 5.
Upper Cretaceous? (Navesink-Hornerstown); New Jersey.

Osteopygis platylomus Cope.

Hay, O. P. 1902 A, 441.
1908 A, 128, 146, text-figs. 172-180.
Wieland, G. R. 1904 A, 126.
Upper Cretaceous? (Navesink-Hornerstown); New Jersey.

Osteopygis robustus Hay.

Hay, O. P. 1908 A, 128, 137, text-figs. 147-151.
Upper Cretaceous? (Navesink-Hornerstown); New Jersey.

Osteopygis sopitus (Leidy).

Hay, O. P. 1902 A, 441.
1908 A, 128, 149, text-figs. 181-184.
Wieland, G. R. 1904 A, 130 (Propleura).
Upper Cretaceous (Tinton); New Jersey.

CATAPLEURA Cope. Type *C. repanda* Cope.

Cope, E. D. 1869 M, 143, 235.
Hay, O. P. 1902 A, 441 (Osteopygis).
Dollo, L. 1886 B, 130.
Hay, O. P. 1908 A, 127, 150.
Nopcsa, F. 1923 H, 37.
Williston, S. W. 1925 B, 225.

Catapleura ponderosa Cope.

Hay, O. P. 1902 A, 441 (Osteopygis).
1908 A, 152, text-figs. 189, 190.
Upper Cretaceous (Navesink); New Jersey.

Catapleura repanda Cope.

Hay, O. P. 1902 A, 441 (Osteopygis).
Cope, E. D. 1869 B, 735 (Propleura; no description).
Hay, O. P. 1908 A, 150, text-figs. 185-188.
Upper Cretaceous? (Navesink-Hornerstown?); New Jersey.

LYTOLOMA Cope. Type *L. angusta* Cope.

Hay, O. P. 1902 A, 441.
Abel, O. 1912 F, 528, 616.
1919 A, 401.
Dollo, L. 1886 B, 131.
1887 B, 394 (Euclastes).
1888 G, 107 (Euclastes).
1903 A.
1903 C.
Fuchs, H. 1920 A, 357 (Euclastes).
Hay, O. P. 1905 A, 153.
1908 A, 154.
Huene, F. 1902 A, 48, figs. 55, 59 (Euclastes).
Lydekker, R. 1912 C, 135.
1889 N, 177.
Nopcsa, F. 1923 F, 13, 14.
Nopcsa, F. 1923 H, 37, 191.
Wieland, G. R. 1902 A, 96.
1904 B, 183, 192, 193.
1905 A, 332.
1906 A, 294.
1906 B, 13.
Williston, S. W. 1925 B, 225.
Woodward, A. S. 1898 B, 174.
Zittel and Broili 1911 A, 251.
Zittel, Eastman, etc. 1902 A, 198.

Lytoloma angusta Cope.

Hay, O. P. 1902 A, 442.
1908 A, 155, pl. xxviii, figs. 5, 6; text-figs. 191, 192.

Völker, H. 1913 A, 532.
Wieland, G. R. 1904 B, 184, pls. vi-viii; text-figs. 1, 2, 3.
1905 A, 322, fig. 5.
Upper Cretaceous? (Hornerstown?); New Jersey.

Lytoloma jeanesii Cope.

Hay, O. P. 1902 A, 442.
1908 A, 156, figs. 193-195.
Upper Cretaceous (Hornerstown); New Jersey.

Lytoloma wielandi Hay.

Hay, O. P. 1908 A, 157, pl. xxviii, figs. 7, 8; pl. xxix, fig. 1; text-figs. 196, 197.
Versluys, J. 1914 B, 337 (Syn.? of L. angusta).
Upper Cretaceous? (Hornerstown?); New Jersey.

Lytoloma? sp. indet.

Hay, O. P. 1902 A, 442.
Case, E. C. 1901 A, 97 (Euclastes).
Clark, W. B. 1895 A.
1897 A, 59.
Clark and Miller 1912 A, 117, 118 (Euclastes).
Eocene (Aquia); Maryland.

ERQUELINNESIA Dollo. Type *E. gosseleti* Dollo.

Dollo, L. 1887 B, 393.
Hay, O. P. 1908 A, 160.
Lydekker, R. 1889 G, 51 (Syn. of Lytoloma).
Nopcsa, F. 1923 H, 37 (Erquellinesia).
Zittel, K. A. 1890 A, 526 (Syn. of Euclastes).

Erquelinnesia molaria Hay.

Hay, O. P. 1908 A, 160, text-figs. 198, 199.
Cretaceous? (Navesink-Hornerstown); New Jersey.

RHETECHELYS Hay. Type *Euclastes platyops* Cope.

Hay, O. P. 1908 A, 161.
Heilprin, A. 1887 A, 315 (Euclastes).
Nopcsa, F. 1923 H, 37 (Rethechelys).
Zittel and Broili 1911 A, 251.
1923 A, 305.

Rhetechelys platyops (Cope).

Hay, O. P. 1902 A, 442 (Lytoloma).
Cope, E. D. 1869 M, 149, pl. vi; pl. vii, fig. 9 (Euclastes).
Hay, O. P. 1908 A, 162, pl. xxix, figs. 2, 3.
Wieland, G. R. 1904 B, 185 (Lytoloma).
Upper Cretaceous? (Hornerstown?); New Jersey.

Superfamily CHELONIOIDÆ, new form.

Abel, O. 1922 C, 321, 326 ("seeschildkröten").
Nick, L. 1912 A, 214 (Chelonioidea).
Rabl, C. 1903 A, 164 ("eretmopoden").
Siebenrock, F. 1909 A, 544 (Cheloniidea).
Valliant, L. 1894 A, 341 (Phanerodermea?).
Wieland, G. R. 1902 A, 107.
1909 A, 102.
Zdansky, O. 1924 A, 91 (Cheloniidea).
Zittel and Broili 1911 A, 252 (Cheloniidea).
1923 A, 307 (Cheloniidea).
Zittel, Eastman, etc. 1902 A, 197 (Chelonoidea).

DESMATOCHELYIDÆ Williston.

Hay, O. P. 1902 A, 442.
1908 A, 184.
Nopcsa, F. 1928 A, 166 (Desmemydinæ).
Wieland, G. R. 1902 A, 108 (Desmatochelydinæ).
1906 B, 13 (Desmatochelydinæ).
Williston, S. W. 1925 B, 225.
Zittel and Broili 1911 A, 255.
1923 A, 311.
Zittel and Koken 1911 A, 255.

DESMATOCHELYS Williston. Type *D. lowii* Williston.

Hay, O. P. 1902 A, 443.
Boulenger, G. 1885, Zool. Record, Rept. 29 (Desmochelys).
Dollo, L. 1903 A, 780.
1903 C.
Hay, O. P. 1908 A, 184.
Nopcsa, F. 1923 H, 32.
1928 A, 166.
Williston, S. W. 1914 A, 231.
1925 B, 225.
Zittel and Broili 1911 A, 255.
Zittel and Broili 1923 A, 311.
Zittel, Eastman, etc. 1902 A, 199.
Zittel and Koken 1911 A, 255.

Desmatochelys lowii Willist.

Hay, O. P. 1902 A, 443.
1908 A, 185, text-figs. 238-243.
Longman, H. A. 1915 A, 28.
Williston, S. W. 1914 A, 232, fig. 122.
Upper Cretaceous (Benton); Nebraska.

NEPTUNOCHELYS Wieland. Type *Protostega tuberosa* Cope.

Hay, O. P. 1902 A, 440.
1908 A, 187.
Nopcsa, F. 1928 A, 166.
Williston, S. W. 1925 B, 225 (Neptunichelys).
Zittel and Broili 1911 A, 255.

Neptunochelys tuberosa (Cope).

Hay, O. P. 1902 A, 440.
Ford, J. 1879 A, 636 (Protostega).
Hay, O. P. 1908 A, 187, fig. 244.
Wieland, G. R. 1902 A, 96.
Upper Cretaceous; Mississippi.

ATLANTOCHELYS Agassiz. Type *A. mortoni* Agassiz.

Hay, O. P. 1902 A, 440.
1908 A, 188.
Nopcsa, F. 1928 A, 166.
Williston, S. W. 1925 B, 225.

Atlantochelys mortoni Agassiz.

Hay, O. P. 1902 A, 440.
Cope, E. D. 1875 E, 257 (Protostega neptunia).
Ford, J. 1879 A, 636 (Protostega neptunia).
Hay, O. P. 1908 A, 188, fig. 245.
Longman, H. A. 1915 A, 28.
Upper Cretaceous; New Jersey.

PROTOSTEGIDÆ Cope.

Hay, O. P. 1902 A, 439.
Arldt, T. 1909 D, 653 ("protostegiden").
Goette, A. 1899 A, 428 (Protosphargidæ).
Hay, O. P. 1908 A, 189.
Jaekel, O. 1915 A, 104 ("protostegiden").
Longman, H. A. 1915 A, 24.
Nopcsa, F. 1928 A, 167 (Protosteginæ).
Versluys, J. 1914 A, 793.
1914 B, 324.
Völker, H. 1913 A, 491.
Wieland, G. R. 1902 A, 107 (Protosteginæ).
1903 A, 214 (Protosteginæ).
1906 B, 8 (Protosteginæ).
1909 A, 101, 102.
Williston, S. W. 1914 A, 231.
1925 B, 225.
Zittel and Broili 1911 A, 254.
1923 A, 309.
Zittel, Eastman, etc. 1902 A, 197.

PROTOSTEGA Cope. Type *P. gigas* Cope.

Hay, O. P. 1902 A, 439.
Abel, O. 1922 C, 320.
Andrews, C. W. 1919 A, 316.
Case, E. C. 1898 C, 726.
Dollo, L. 1903 C, 808.
Hay, O. P. 1905 A, 149.
1908 A, 190.
1912 E, 218.
1928 A, 4.
Longman, H. A. 1915 A, 28.
Merriam, J. C. 1912 B, 221.
Nopcsa, F. 1923 F, 14.
1923 H, 164, 191.
Sternberg, C. H. 1905 A, 123
Tornier, G. 1913 B, 365.
Völker, H. 1913 A, 504.
Werner, F. 1898 A, 280.
Wieland, G. R. 1902 A, 99.
1906 A, 279.
1906 B, 8
1909 A, 102.
Williston, S. W. 1902 A, 276.
1909 A, 398.
1925 A, 179.
1925 B, 225.
Zittel and Broili 1911 A, 254.
1923 A, 309.
Zittel and Eastman, etc. 1902 A, 197.

Protostega advena Hay.

Hay, O. P. 1908 A, 199, text-figs. 256-259.
1912 E, 218.
Wieland, G. R. 1909 A, 103, 117.
Upper Cretaceous (Niobrara); Kansas.

Protostega copei Wieland.

Wieland, G. R. 1909 A, 103, 104, figs. 1-4.
Abel, O. 1922 C, 319, figs. 276, 277.
Williston, S. W. 1914 A, 238.
Upper Cretaceous (Niobrara); Kansas.

Protostega gigas Cope.

Hay, O. P. 1902 A, 440.
Dames, W. 1898 A, 140.
Ford, J. 1879 A, 636.
Hay, O. P. 1908 A, 190, text-figs. 247-253.
1912 E, 218.
Hoernes, R. 1886 A, 588.
Osborn, H. F. 1904 I, 35.
Rogers, A. F. 1924 A, 545.
Sternberg, C. H. 1881 B, 3.
1900 A, 34.
1905 A, 123, pls. xviii, xix.
1906 B, 122 ("Protostega").
1907 C, 122 ("Protostega").
1909 C, 114, fig. 21.
1917 A, 21.
Wieland, G. R. 1906 A, 279, 282, pls. xxxi, xxxii; text-figs. 1-6.
1909 A, 101, 103.
Williston, S. W. 1902 A, 276, fig. 1.
Woodward, A. S. 1922 C, 43.
Upper Cretaceous (Niobrara); Kansas.

Protostega potens Hay.

Hay, O. P. 1908 A, 198, text-figs. 246, 254, 255.
Wieland, G. R. 1909 A, 103, 122.
Upper Cretaceous (Niobrara); Kansas.

Protostega sp. indet.

Williston, S. W. 1902 E, 247.
Upper Cretaceous (Benton); Kansas.

ARCHELON Wieland. Type *A. ischyros* Wieland.

Hay, O. P. 1902 A, 440.
Abel, O. 1912 F, 615.
1919 A, 403.
1920 A, 365.
1922 C, 322.
Andrews, C. W. 1919 A, 316.
Dollo, L. 1903 C, 808.
Hay, O. P. 1905 A, 149.
1908 A, 202.
1912 E, 218.
1922 E, 425, 439.
1928 A, 4.
Jaekel, O. 1907 B, 64.
Longman, H. A. 1915 A, 28.
Lucas, F. A. 1902 B, 198.
Lydekker, R. 1910 F, 670.
Merriam, J. C. 1912 B, 221.
Nopcsa, F. 1923 F, 14.
1923 H, 37, 191 (Archelon).
Osborn, H. F. 1917 B, 203, 206, fig.
Schuchert, C. 1915 A, 907.
Versluys, J. 1914 A, 800.
1914 B, 328.
Völker, H. 1913 A, 504.
Wieland, G. R. 1902 A, 95.
1905 A, 325.
1906 A, 295.
1909 A, 101, 103.
1909 B, 252.
1912 A, 287.
1912 B, 299.
1925 B, 558.
Williston, S. W. 1902 A, 276.
1906 B, 8.
1914 A, 234.
1925 B, 225.
Zittel and Broili 1911 A, 254.
1923 A, 307.
Zittel, Eastman, etc. 1902 A, 198.

Archelon ischyros Wieland.

Hay, O. P. 1902 A, 440.
Abel, O. 1912 F, 611, fig. 467.
1919 A, 402, figs. 312, 313.
1920 A, 366, figs. 574, 575.
1921 A, 190, fig. 48.
1922 C, 324, 326, figs. 281-283.
Hay, O. P. 1908 A, 202, text-figs. 260-268.
Huene, F. 1920 D, 166.
Jaekel, O. 1911 A, 187, fig. 201 (Chelon).
1916 A, 155, fig. 39 (Orlitia bornensis).
Lucas, F. A. 1901 J, 54 ("Archelon").
Lull, R. S. 1917 B, 187 ("Archelon").
O'Harra, C. C. 1910 A, 119 ("turtle").
Sternberg, C. H. 1917 A, 26.
Versluys, J. 1914 A, 798, fig. 5.
1914 B, 333, 344, figs. 2, 6.
Völker, H. 1913 A, 532.
Wieland, G. R. 1902 A, 99, fig. 2.
1903 A, 211, fig. 1.
1906 B, 10, figs. 1, 4.
1909 A, 111, pls. ii-iv; text-figs. 6-12.
Williston, S. W. 1914 A, 234, figs. 123-127.
Woodward, A. S. 1922 C, 43.
Zdansky, O. 1924 A, 94.
Zittel and Broili 1923 A, 308, fig. 420.
Upper Cretaceous (Pierre); South Dakota.

Archelon marshii Wieland.

Hay, O. P. 1902 A, 440.
1908 A, 208.
Wieland, G. R. 1903 A, 215.
1909 A, 103, 110, fig. 6 (Protostega).
1914 A, 238.
Upper Cretaceous (Pierre); South Dakota.

CHELONIIDÆ Bonaparte.

Bonaparte, C. L. 1831 A, 64 (Chelonidæ).
Hay, O. P. 1902 A, 443.
Abel, O. 1909 F, 467 ("meeresschildkröten").
1912 F, 132 ("seeschildkröten").
1919 A, 399 (Chelonidæ).
Adams, A. 1854 A, 70 (Cheloniidæ).
Arldt, T. 1907 D, 645 (Chelonidæ).
1909 D, 653 ("cheloniden").
Ash, F. H. 1908 A, 79 ("turtles").
Blainville, H. M. D. 1835 A, 240 (Chelonea).
Bonaparte, C. L. 1832 A, 313 (Chelolina).
1833 B, 1183 (Chelonina).
Boulenger, G. A. 1918 E, 516 ("chélonées").
Carus, V. 1875 A, 400 (Cheloniinæ).
Cope, E. D. 1869 M, 139, 153.
1880 U, 147 ("chélonidées").
Dollo, L. 1886 B, 141.
1903 A, 727.
1903 C, 801 ("chéloniens").
1913 A, 50 ("chélonoidés").
Fraas, E. 1903 A, 98.
1905 B, 360 ("seeschildkröten").
Fuchs, H. 1907 B, 431 (Chelonidæ).
1909 B, 152 ("cheloniden").
1920 A (Chelonidæ).
Fuchs, H. 1920 B (Chelonidæ).
Gadow, H. 1901 B, 378 (Chelonidæ).
1905 B, 639.
Gaupp, E. 1905 D, 1021 (Chelonidæ).
Goodrich, E. S. 1916 A, 264 (Chelonidæ).
Gray, J. E. 1855 A, 70 (Chelonadæ).
1873 D, 169 ("sea-turtles").
Hay, O. P. 1905 A, 147, 148.
1905 H, 296.
1908 A, 8, 208.
1922 E, 421.
1928 A, 4.
Hoernes, R. 1886 A, 587.
Jaekel, O. 1902 B, 137 ("meerschildkröten").
1907 B, 68 ("cheloniden").
1908 A, 140 (Chelonidæ).
1910 C, 325 ("chelonier").
1911 A, 186 (Chelonii).
1916 A, 168.
1925 A, 165 ("cheloniden").
Kathariner, L. 1913 A, 373.
Kesteven, H. 1916 A, 305 (Chelonidæ).
Lane, H. H. 1910 A, 350 (Chelonidæ).
Leunis and Ludwig 1883 A, 537 (Chelonidæ).
Lobley, J. L. 1908 A, 203, 208.

Longman, H. A. 1915 A, 25 (Chelonidæ).
Lull, R. S. 1924 A, 275 (Chelonidæ).
Lydekker, R. 1912 C, 28, 107.
Nopcsa, F. 1923 E, 1048.
1923 F (Chelonidæ).
1923 H, 32, 33, 36, 37, 39, 122, 164, 166, 168, 191 (Chelonidæ, Cheloninæ).
1926 A, 654 (Chelonidæ).
1928 A, 167.
Oertel, W. 1914 A, 102.
Pictet, F. A. 1853 A, 459 ("chélonées").
Rabl, C. 1903 A, 160, 165, 167 ("cheloniden").
Rüschkamp, F. 1925 A, 127 (Chelonidæ).
Sewertzoff, A. N. 1908 A, 262 (Chelonidæ).
Siebenrock, F. 1907 A, 532 (Chelonidæ).
1909 A, 428, 544.
1919 A, 276.
Siegelbauer, F. 1909 A, 184 (Chelonidæ).
Stehli, G. 1910 A, 784 ("cheloniden").
Stejneger, L. 1907 C, 506.
Stromer, E. 1912 A, 97.
Thyng, F. W. 1906 A, 51.
Tornier, G. 1913 A, 336.
1913 B, 365.
Vaillant, L. 1877 C, 55 (Chelonina).
1881 A, 99 (Chelodina).
Versluys, J. 1914 A, 793.
1914 B, 324, seq.
Völker, H. 1913 A, 491 ("cheloniiden").
Wagner, R. 1843 A ("seeschildkröten").
Wegner, T. 1911 A, 125 ("cheloniden").
Werner, F. 1898 A, 280 (Chelonidæ).
Wieland, G. R. 1902 A, 107 (Chelonidæ); 108 (Cheloninæ).
1906 B, 13 (Cheloninæ).
Williston, S. W. 1914 A, 229.
1925 B, 225.
Woodward, A. S. 1888 O, 353.
Zittel and Broili 1911 A, 254.
1923 A, 309.
Zittel, Eastman, etc. 1902 A, 198 (Chelonidæ).

PERITRESIUS Cope. Type *Chelone ornata* Leidy.

Hay, O. P. 1902 A, 441.
Dollo, L. 1886 B, 131.
Hay, O. P. 1908 A, 209.
Williston, S. W. 1925 B, 225.

Peritresius ornatus (Leidy).

Hay, O. P. 1902 A, 441.
Dall and Harris 1892 A, 85.
Hay, O. P. 1908 A, 210.
Upper Cretaceous (Uppermost Greensand?); New Jersey: (Ripley); Georgia.

SYLLOMUS Cope. Type *S. crispatus* Cope.

Hay, O. P. 1902 A, 442.
1908 A, 209, 211.
Williston, S. W. 1925 B, 225 (Scyllomus).
Zittel and Broili 1911 A, 255 (Scyllomus).
1923 A, 310 (Scyllomus).
Zittel and Koken 1911 A, 255 (Scyllomus).

Syllomus crispatus Cope.

Hay, O. P. 1902 A, 442.
Clark and Miller 1912 A, 167, 168.
Hay, O. P. 1908 A, 211, pl. xxxii, figs. 1, 2; text-fig. 269.
Schlosser, M. 1899 N, 147.
Miocene; Virginia.

LEMBONAX Cope. Type *L. polemicus* Cope.

Hay, O. P. 1902 A, 444.
1908 A, 209, 212.
Williston, S. W. 1925 B, 225.
Zittel and Broili 1911 A, 255.

Lembonax? insularis Cope.

Hay, O. P. 1902 A, 444.
1908 A, 213, text-fig. 271.
Eocene; New Jersey.

Lembonax polemicus Cope.

Hay, O. P. 1902 A, 444.
1908 A, 212, text-fig. 270.
Eocene (Shark River); New Jersey.

Lembonax propylæus Cope.

Hay, O. P. 1902 A, 444 (L. prophylæus, *errore*).
1908 A, 214, text-fig. 272.
Eocene (Shark River); New Jersey.

PROCOLPOCHELYS Hay. Type *Chelonia grandæva* Leidy.

Hay, O. P. 1908 A, 209, 215.
Dollo, L. 1923 C, 418 (Puppigerus).
Williston, S. W. 1925 B, 225.
Zittel and Koken 1911 A, 255.

Procolpochelys grandæva (Leidy).

Hay, O. P. 1902 A, 443 (Puppigerus).
Cope, E. D. 1869 M, 153, figs. 40, 41 (Chelone); 235 (Puppigerus).
Hay, O. P. 1908 A, 216, text-figs. 273-280.
Miocene (Kirkwood); New Jersey.

CAROLINOCHELYS Hay. Type *C. wilsoni* Hay.

Hay, O. P. 1923 B, 119.

Carolinochelys wilsoni Hay.

Hay, O. P. 1923 B, 119.

Allen, G. M. 1926 A, 447.
Hay, O. P. 1923 D, 29, pls. ii, iii.
Oligocene (Ashley River); South Carolina.

CHELONIA Latreille. Type *Testudo mydas* Linnæus.

Latreille, J. N. 1802, Hist. Nat. Rept., I, 22.
Hay, O. P. 1902 A, 443 (Chelonia, Puppigerus).
Abel, O. 1907 A, 226 (Chelone).
1908 E, 404 (Chelone).
1912 F, 131, 528, 611, 665, fig. 73 (Chelone).
1921 A, 189, 222.
1922 C, 323.
Allis, E. P. 1919 A, 384 (Chelone).
1919 D, 212.
Andrews, C. W. 1896 B, 148 (Chelone).
Bender, O. 1913 A, 285 (Chelone).
Boas, J. E. V. 1914 C, 291, fig. 82.
Boulenger, G. A. 1889 A, 180 (Chelone).
1918 E, 515 (Chelone).
Bronn, H. G. 1848 A, 287 (Chelone).
1849 A, 695.
Broom, R. 1911 A, 921 (Chelone).
Cleland, J. 1863 B, 309 ("turtle").
Coker, R. E. 1905 B, 23 (Chelone).
Cuvier, G. 1805 A.
Dollo, L. 1886 B, 131, 139, fig. 3.
1889 B, 673 (Chelone).
1901 A, 9 (Chelone).
1903 A (Chelone).
1903 C (Chelone).
Durand, J. P. 1898 A, 294 ("chelonée").
Edgeworth, F. H. 1907 A, 516, figs. 18-20.
Fitzinger, L. 1836 A, 120.
Fleischmann, A. 1910 A, 682, fig. 1.
Fries, C. 1924 A, 277 (Chelone).
Fuchs, H. 1907 B, 432, pl. xxi, figs. 11, 12 (Chelone).
1909 B, 124, 143 (Chelone).
1909 D, 40 (Chelone).
1910 A, 54 (Chelone).
1911 B, 398 (Chelone).
1911 C, 624, figs. 35-51 (Chelone imbricata).
1912 B, 81, figs. (Chelone).
1913 A, 59 (Chelone).
1913 B, 301 (Chelone).
1915 A.
1920 A, 359 (Chelone).
Gadow, H. 1901 B, 381 (Chelone).
1902 B, 353 (Chelone).
1905 B, 639 (Chelone).
Gaupp, E. 1894 A, 99 (Chelone).
1906 A, 43 (Chelone).
1910 C, 386 (Chelone).
1911 C, 450, figs. 14, 15 (Chelone).
1912 B, 221 (Chelone).
Gegenbauer, C. 1863 A, 464.
Goette, A. 1899 A, pls. xxvii-xxix (Chelone).
Gray, J. E. 1855 A, 74.
Gregory, W. K. 1910 A, 114.
1920 A, 122, fig. 36 (Chelone).
Gregory and Adams 1915 A, 763 (Chelone).
Haller, G. 1926 A, 457.
Hasse, C. 1871 A, 230.
1873 D, 684.
Hay, O. P. 1908 A, 209, 220.
Heilprin, A. 1887 A, 313, 315 (Chelone).
Hoernes, R. 1886 A, 587.
Hoffmann, C. K. 1879 B, 53.
Jaekel, O. 1903 F, 44 (Chelone).
1912 A, 619, fig. 8.
Kesteven, H. L. 1910 A, 368 (Chelone).
Kesteven, H. L. 1916 A, 305 (Chelone).
1919 A, 231.
Kingsley, J. S. 1925 A, 138, 146, 147, 149, 252, 285, figs. 146, 155, 156, 158, 267 (Chelone).
Klaauw, C. J. 1924 B, 592 (Chelone).
Köstlin, O. 1844 A.
Lebedinsky, N. G. 1917 A, 318 (Chelone).
Leunis and Ludwig 1883 A, 538 (Chelone).
Matthew, W. D. 1915 A, 280.
Meckel, J. F. 1825 A (Chelone).
Moodie, R. L. 1908 C, 322 (Chelone).
1908 D, 445 (Chelone).
Nick, L. 1912 A, 169, pls.
Nopcsa, F. 1904 A, 263 (Chelone).
1923 E, 1053, fig. 8 (Chelone).
1923 F (Chelone).
1923 H, 34, 37, 113, 164, 191 (Chelone).
1925 A, 24 (Chelone).
Owen, R. 1848 B, 191 (Chelone).
1866 A (Chelone).
1868 A, 872 (Chelone).
Palacký, J. 1902 B, 141 (Chelone).
Parker and Bettany 1877 A, 213 (Chelone).
Pictet, F. J. 1853 A, 459.
Rabl, C. 1903 A, 167.
Rathke, H. 1846 A, 161, 163.
Reynolds, S. H. 1897 A, 194, 215, 218, 271, 283 (Chelone).
Rice, E. L. 1920 A.
Schlesinger, G. 1909 A (142) (Chelone).
Seeley, H. G. 1876 C, 181 (Chelone).
Sewertzoff, A. N. 1908 A, 272, 310.
Siebenrock, F. 1909 A, 545.
Stannius, H. 1856 A, 8, 29, 79.
Stehli, G. 1910 A, 784 (Chelone).
Stejneger, L. 1907 C, 509.
Stejneger and Barbour 1917 A, 122.
Strasser, O. z. 1919 A, 134.
Tornier, G. 1913 B, 365 (Chelone).
Ubaghs, C. 1888 A, 452, 453.
1889 A, 383.
Vaillant, L. 1877 C, 56 (Chelone).
Veit, O. 1916 A, 368 (Chelone).
Versluys, J. 1909 A, 288 (Chelone).
1910 A, 488 (Chelone).
1912 B, 556 (Chelone).
1914 A, 800.
1914 B, 324.
1919 A, 5, 14.
Virchow, H. 1914 A, 79.
1919 A, 305, 309, 321, figs. 2, 9, 10.
1921 A, 138, fig. 6 (Chelone).
1926 A, 218, fig. 8 (Chelone).
Völker, H. 1913 A, 491.
Wagner, R. 1843 A.
Wallace, A. R. 1876 A, II, 409 (Chelone).
Watson, D. M. S. 1919 C, 240.
Wegner, Th. 1917 A, 361-372, pls. xxviii-xxx.
Wiedersheim, R. 1892 A, 52.
Wieland, G. R. 1904 B, 192 (Chelone).
Williston, S. W. 1904 B, 177, text-fig. 3 (Chelone).
1914 A, 16, 45, 221 (Chelone), fig. 114.
Zdansky, O. 1924 A, 93.
Zittel and Broili 1911 A, 254.
1923 A, 309.

Zittel, Eastman, etc. 1902 A, 198 (Chelone).

Chelonia mydas Linnæus.

Linnæus, C. 1758 A, 197.
Abel, O. 1912 F, 165, figs. 73, 111 (Chelone midas).
1919 A, 380, fig. 296.
1921 A, 190, 224, fig. 78.
Allis, E. P. 1919 D, 212, 218 (C. midas).
Bluntschli, H. 1912 B, 386 (Chelone midas).
Bojanus, L. H. 1819 A, pl. xvi, fig. 3 (Testudo midas).
Boulenger, G. A. 1889 A, 180 (Chelone).
Camper, A. 1812 A, 234, pl. iii ("Midas").
Chapman, H. C. 1894 A, 42, fig. 8 ("turtle").
Coker, R. E. 1905 B, 23 (Chelone).
Dollo, L. 1888 A, 266 (Chelone).
1903 C (Chelone).
1923 C, 420 (Chelone).
Eimer, G. H. T. 1901 A, 63, 160.
Fuchs, H. 1907 B, 431, pl. xxi, fig. 11; text-fig. 5 (Chelone).
1909 B, 143, fig. 19 (Chelone).
1920 A, 383, 386, 456, figs. 1-21.
1920 B, 5, 358, fig. 24 (Chelone).
Fürbringer, M. 1900 A, 312, figs. 76-78, 81 (Chelone).
Gadow, H. 1896 A, 41, fig. 50 (Chelone midas).
1901 B, 381.
Gaupp, E. 1902 A, 177, 215 (Chelone viridis).
1908 B (Chelone).
1913 A, 96, figs. 55, 56 (Chelone viridis).
Goette, A. 1899 A, 409 (Chelone).
Gray, J. E. 1873 D, 166, pl. vi, fig. 4.
Hasse, C. 1871 A, figs. (C. midas).
Hay, O. P. 1916 C, 75.
1917 E, 44.
1923 A, 382, 383.
1923 D, 30.
Heilmann, G. 1926 A, 94 (Chelone).
Hennig, E. 1924 A, 144 (Chelone midas).
Howes and Swinnerton 1901 A, 29 ("green turtle").
Huene, F. 1926 G, 513.
Huxley, T. H. 1859 D, 399, fig. 5.
1863 F, 457, 529, figs. 41, 42, 47 (Chelone midas).
Jaekel, O. 1916 A, 144, figs. 33, 45, 48 (Chelone midas).
Kesteven, H. L. 1910 A, 368, pls. xx-xxxiii (Chelone midas).
1918 A, 455 (Chelone midas).
Kesteven, H. L. 1919 A, 233, fig. 11 (C. midas).
1922 A, 313, fig. 5 (C. midas).
Lorenz, L. 1807 A, 11 (Testudo).
Lydekker, R. 1889 N, 178 (Chelone).
Nick, L. 1912 A, 73, pls. (C. midas).
Owen, R. 1848 B, 191 (Chelone).
1866 A, 127, figs. 90, 91.
1868 A, 872.
Parker, W. K. 1879 C, 329 (Chelone midas).
1888 D, 465 (Chelone viridis).
Parker and Haswell 1897 A, 317, fig. 936.
Perna, G. 1906 A, 136, pl. vii, fig. 25.
Pfeiffer, H. 1854 A, 36, pl. 1, fig. 9 (Chelone midas).
Rabl, C. 1903 A, 156, 176, pl. i, fig. 1; pl. ii, fig. 8; text-figs. 17, 18, 20.
Rathke, H. 1846 A, 161.
Reichert, K. B. 1849 A, 454.
Reynolds, S. H. 1897 A, 214-236, figs. 37-39 (Chelone midas).
Röse, C. 1892 G, 127 (Chelone midas).
Rüschkamp, F. 1925 A, 127, pls. i, ii (Chelone).
Schauinsland, H. 1903 A, 56, pl. x.
Sellards, E. H. 1916 C, 147.
Siebenrock, F. 1909 A, 545.
Stannius, H. 1856 A, 28, seq.
Stejneger and Barbour 1917 A, 122.
Taschenberg, O. 1894 A, 3640.
Tornier, G. 1913 A, 317, figs. 1, 2 (Chelone midas).
Ubaghs, C. 1888 A, 453.
1889 A, 388.
Vaillant, T. 1877 A, 14 (Chelone).
1881 A, 47, 102 (Chelone midas).
Versluys, J. 1914 B, 335.
Virchow, H. 1919 A, 305 (C. midas).
1926 A, 218, fig. 9 (C. midas?).
Völker, H. 1913 A, 493, 532, fig. B (Chelone).
Wegner, Th. 1917 A.
Wieland, G. R. 1897 A, 446 (Chelone).
Zdansky, O. 1924 A, 92.
Zittel and Broili 1923 A, 295, 309, fig. 405.

Recent in warm seas: Pleistocene (Late); Florida.

Chelonia? parvitecta (Cope).

Hay, O. P. 1902 A, 443 (Puppigerus).
1908 A, 220, pl. xxxii, fig. 3.

Miocene (Kirkwood): Eocene (Shark River); New Jersey; Maryland?.

Caretta Rafinesque. Type *Testudo caretta* Linnæus.

Rafinesque, C. S. 1814, Specchio Sci. (Palermo), II, No. 9, 66.
Andrews, C. W. 1901 A, 441 (Thalassochelys).
1906 A, xxiv (Thalassochelys).
Baur, G. 1890 F, 486.
Coker, R. E. 1905 B, 20 (Thalassochelys).
1910 A, 6.
Dollo, L. 1889 B, 673 (Thalassochelys).
1903 A, 795 (Thalassochelys).
1903 C (Thalassochelys).
Fitzinger, L. 1836 A, 121 (Thalassochelys).
Fuchs, H. 1920 A, 354 (Thalassochelys).
Gadow, H. 1901 B, 387.
Gray, J. E. 1855 A, 72 (Caouana).
Gray, J. E. 1873 B, 395, 404 (Caouana).
Heilprin, A. 1887 A, 313 (Thalassochelys).
Huene, F. 1926 G, 513 (Thalassochelys).
Le Conte, J. 1854 A, 186 (Chelone).
Leunis and Ludwig 1883 A, 539 (Thalassochelys).
Lydekker, R. 1889 N, 177 (Thalassochelys).
Nopcsa, F. 1928 A, 167 (Thalassochelys).
Rabl, C. 1903 A, 177 (Thalassochelys).
Sewertzoff, A. N. 1908 A, 273.
Siebenrock, F. 1909 A, 548.
Stejneger, L. 1907 C, 507.
Stromer, E. 1916 A, 405 (Thalassochelys).
Vaillant, L. 1877 C, 56 (Thalassochelys).
Versluys, J. 1914 B, 324 (Thalassochelys).

Völker, H. 1913 A, 495 (Thalassochelys).
Wegner, T. 1917 A.
Williston, S. W. 1925 A, 43, figs. 31, 144 (Thalassochelys).
Zittel and Broili 1911 A, 255, fig. 400.
1923 A, 309, fig. 421.

Caretta caretta (Linnæus).

Linnæus, C. 1758 A, 197 (Testudo).
Abel, O. 1912 F, 131, 424, 528 (Thalassochelys).
Baur, G. 1890 F, 486.
Broili, F. 1926 C, 37, fig. 10 (Thalassochelys).
Carruccio, A. 1913 C, 179 (Thalassochelis).
Coker, R. E. 1905 A, 874 (Thalassochelys).
1905 B, 9 (Thalassochelys).
1910 A, 46, pls. xi-xiv; text-fig. C (Thalassochelys).
Dollo, L. 1923 C, 419 (Thalassochelys).
Fuchs, H. 1920 A, 387 (Thalassochelys).
1920 B, 2, 35 (Thalassochelys).
Gadow, H. 1901 B, 327, 379, figs. 69, 84 (Thalassochelys).
1902 D, 216, figs. (Thalassochelys).
1905 B, 638 (Thalassochelys).
Gaupp, E. 1908 B, 529 (Chelonia).
Gray, J. E. 1855 A, 71 (Caouana).
1873 B, 404 (Caouana).
Hay, O. P. 1917 E, 43.
Hay, O. P. 1923 A, 382, 383.
1923 D, 30.
Hay, W. P. 1916 A, 258 ("loggerhead").
Hennig, E. 1924 A, 144.
Huene, F. 1926 G, 513 (Thalassochelys).
Lydekker, R. 1912 C, 107, 131, fig. 10 (Thalassochelys).
Newman, H. H. 1906 A, 81 (Thalassochelys).
Nopcsa, F. 1923 F, 20 (Thalassochelys).
Oswald, F. 1911 A, 411 (Thalassochelys).
Owen, R. 1866 A, 61, 63 (Chelone).
Rabl, C. 1903 A, 177, fig. 21 (Thalassochelys).
Reynolds, S. H. 1897 A, 216, fig. 36 (Thalassochelys).
Rüschkamp, F. 1925 A, 127, figs. 1, 2.
Schmidt, W. J. 1916 A, 10, figs. 1, 2.
Siebenrock, F. 1909 A, 549.
Siegelbauer, F. 1909 A, 184, pl. vi, figs. 1-3; pl. viii, figs. 13, 14 (Thalassochelys corticata).
Stejneger and Barbour 1917 A, 123.
Strecker, C. 1887 A (Chelonia).
Tornier, G. 1913 B, 354 (Thalassochelys).
Vaillant, L. 1881 A, 47, pls. xxviii, xxix.
Völker, H. 1913 A, 497, fig. C (Thalassochelys).
Woodward, A. S. 1922 C, 42, fig. 40 (Thalassochelys).
Recent; Atlantic Ocean: Pleistocene (Middle or Late); Florida.

Superfamily EMYDOIDÆ, new form.

Unless otherwise indicated the authors as cited, use the name Cryptodira. From the Emydoidæ are excluded the Thalassemydoidæ and the Chelonioidæ.

Hay, O. P. 1902 A, 439.
Abel, O. 1920 A, 364 (Cryptodira).
Arldt, T. 1907 D, 648.
1909 D, 653 ("cryptodiren").
Baur, G. 1891 E, 632 (Cryptodira).
Bonaparte, C. L. 1832 A, 312 (Testudinina).
1833 B, 1183 (Testudinidæ).
Case, E. C. 1898 C, 725.
Cope, E. D. 1891 N, 30 (Cryptodira).
Diener, C. 1909 A, 36.
Dollo, L. 1886 B, 130.
1889 B, 669.
1903 C.
1913 A, 50 ("cryptodères").
1913 B, 623 ("cryptodères").
Fraas, E. 1903 A, 88, 100.
1905 B, 364 ("kryptodiren").
Fuchs, H. 1907 B, 425.
1909 B, 143 ("cryptodiren").
1920 A, 370.
1920 B, 12.
Gadow, H. 1901 B, 338.
Gaupp, E. 1911 C, 449.
1913 A, 95.
Harkness, R. 1852 A, 253 (Testudiniæ).
Harrassowitz, H. 1922 A, 142, 217, 219, 220.
Hay, O. P. 1905 A, 137, 170.
1905 D, 125.
1905 G, 331.
1905 I, 297.
1905 J, 992.
1908 A, 31, 43, 126.
Hay, O. P. 1912 E, 219.
1922 E, 421, 439.
1928 A, 6.
Huene, F. 1926 G, 514 ("cryptodiren").
Jaekel, O. 1911 A, 186 (Cryptodiri).
1916 A, 207, 212 ("cryptodiren").
Kasper, A. 1903 A, 139.
Lydekker, R. 1886 G, 522.
1889 E, 518.
1912 C, 28, 127.
Nopcsa, F. 1923 F.
1923 H, 32, 33, 39, 122, 165, 167, 168, tab.
1928 A, 166.
Reynolds, S. H. 1897 A, 194.
Siebenrock, F. 1909 A, 432.
Siegelbauer, F. 1909 A, 184 (Cryptodiræ).
Stefano, G. 1917 A, 278.
Stehli, G. 1910 A, 788.
Steinmann, G. 1907 A, 436.
Stromer, E. 1912 A, 97.
Thäter, K. 1910 A, 510 ("cryptodiren").
Tornier, G. 1913 B, 365.
Versluys, J. 1914 A, 793.
1914 B, 325 ("cryptodiren").
1919 A, 15 ("cryptodiren").
Waite, E. R. 1905 A, 117.
Watson, D. M. S. 1914 H, 1013 ("cryptodeires").
Werner, F. 1898 A, 280.
Williston, S. W. 1908 G, 804.
1914 A, 16, 45, 222, 225.
1925 B, 210, 222, 224.
Woodward, A. S. 1888 O, 353.
Zdansky, O. 1924 A, 91, 110.
Zittel and Broili 1911 A, 250.
1923 A, 304.
Zittel, Eastman, etc. 1902 A, 196.

CHELYDRIDÆ.

Hay, O. P. 1902 A, 446.
Arldt, T. 1907 D, 645.
1909 D, 653 ("chelydriden").
1912 A, 714, 758.
Baur, G. 1896 D, 314, 319.
Cooper, C. F. 1922 C, 156.
Cope, E. D. 1880 U, 147 ("chélydridés").
Dollo, L. 1886 B, 130.
1889 B, 670.
1903 C.
Fuchs, H. 1907 B, 425.
Gadow, H. 1901 B, 338.
Gill, T. 1885 B, 27.
Gray, J. E. 1873 D, 164, 170 (Chelydradæ).
1873 E, 66 (Chelydradæ, Chelydraina).
Harrassowitz, H. 1922 A, 141.
Hay, O. P. 1905 A, 148.
1908 A, 32, 221.
Huxley, T. H. 1887 C, 236.
Kasper, A. 1903 A, 139, 147.
Lydekker, R. 1912 C, 40, 109.
Matthew, W. D. 1915 A, 283.
Newman, H. H. 1906 A, 99.
Nopcsa, F. 1922 D, 156.
1923 E, 1053.
1923 F.
1923 H, 39, 122, 168.
1928 A, 166.
Osborn, H. F. 1909 D, 58.
Scharff, R. F. 1911 A, 134, 251 (Chelidridæ).
Siebenrock, F. 1907 A, 527, 532.
1909 A, 433.
Tornier, G. 1913 A, 336.
Williston, S. W. 1914 A, 225.
1925 B, 226.
Woodward, A. S. 1888 O, 353.
Zittel and Broili 1911 A, 251.
1923 A, 305.
Zittel, Eastman, etc. 1902 A, 200.

ACHERONTEMYS Hay. Type *A. heckmani* Hay.

Hay, O. P. 1902 A, 446.
1908 A, 221.
Nopcsa, F. 1928 A, 166.
Williston, S. W. 1925 B, 226.

Acherontemys heckmani Hay.

Hay, O. P. 1902 A, 446.
1908 A, 222, text-fig. 281.
Merrill, G. P. 1907 A, 63.
Sauvage, H. E. 1900 A, 5.
Miocene (Roslyn); State of Washington.

CHELYDRA Schweigger. Type *Testudo serpentina* Linnæus.

Schweigger, A. F. 1812, Arch. Naturwiss. Math., 1, 293.
Hay, O. P. 1902 A, 446.
Adams, L. A. 1919 A, 88, pl. vi.
Altmann, F. 1925 A, 95, fig. 10.
Anderson, R. J. 1912 A, 917.
Arldt, T. 1907 D, 275, 276.
Boas, J. E. V. 1914 C, 265, 287.
Boulenger, G. A. 1902 D, 49.
1918 E, 516.
Bronn, H. G. 1848 A, 288.
1849 A, 649.
Brown, A. E. 1904 A, 467.
Carus, V. 1875 A, 397.
Dollo, L. 1889 B, 670.
1903 A, 755.
1903 C, 822.
Fitzinger, L. 1836 A, 117.
Fuchs, H. 1907 B, 425, pl. xx, fig. 4.
Gaupp, E. 1899 A, 1092.
Gegenbaur, C. 1863 A, 464.
Gregory and Adams 1915 A, 763.
Hay, O. P. 1908 A, 223.
1912 E, 218.
1928 A, 7.
Heilprin, A. 1887 A, 313-315.
Huene, F. 1902 A, 49.
1926 G, 514.
Huxley, T. H. 1887 C, 233.
Kasper, A. 1903 A, 146.
Kingsley, J. S. 1925 A, 266, fig. 288.
Klaauw, C. J. 1924 B, 592.
Le Conte, J. 1854 A, 186.
Leunis and Ludwig 1883 A, 534.
Moodie, R. L. 1907 A, 89.
1908 D, 445.
Newman, H. H. 1906 B, 526.
Nick, L. 1912 A, 169, pls.
Nopcsa, F. 1923 E, 1053.
1923 F, 2, 16.
1923 H, 34, 37.
Owen, R. 1866 A, 131, 136.
Palacký, J. 1902 B, 145.
Pictet, F. J. 1853 A, 453.
Reynolds, S. H. 1897 A, 26, 291.
Rice, E. L. 1920 A.
Scharff, R. F. 1911 A, 347.
Schlosser, M. 1898 K, 526.
Seeley, H. G. 1876 C, 173 (Chelydra); 182 (Emysaura).
Sewertzoff, A. N. 1908 A, 213.
Siebenrock, F. 1907 A, 527, 533.
1909 A, 433.
Stannius, H. 1856 A, 7, 60.
Stejneger and Barbour 1917 A, 113.
Taschenberg, O. 1894 A, 3641.
Tornier, G. 1913 A, 321, fig. 10.
1913 B, 365.
Vaillant, L. 1877 C, 57.
Versluys, J. 1914 B, 330, 339.
1919 A, 17.
Völker, H. 1913 A, 492.
Wallace, A. R. 1876 A, II, 165.
Wieland, G. R. 1902 A, 97.
1906 A, 294.
Williston, S. W. 1903 A, 32, pl. v, fig. 2.
1925 A, 188, fig. 154.
1925 B, 226.

Zdansky, O. 1924 A, 102.
Zittel and Broili 1923 A, 305.
Zittel, Eastman, etc. 1902 A, 201.

Chelydra laticarinata Hay.

Hay, O. P. 1916 C, 72, 75, pl. vi, figs. 6, 7.
1923 A, 382.
Sellards, E. H. 1916 C, 145.
Pleistocene (Early); Florida.

Chelydra sculpta Hay.

Hay, O. P. 1916 C, 73, 75, 76, pl. iv, fig. 7; pl. vi, figs. 8, 9.
1916 E, 53.
1917 E, 44, 46, pl. iii, fig. 1.
1918 B, 4.
1923 A, 382.
Sellards, E. H. 1916 C, 147.
Pleistocene (Middle or late); Florida.

Chelydra serpentina (Linnæus).

Hay, O. P. 1902 A, 446.
Beer, G. R. 1926 A, 319, figs. 88-90, 115.
Boas, J. E. V. 1914 C, 289, fig. 77.
Boulenger, G. A. 1902 D, 51.
Camp, C. L. 1923 A, 448, fig. 41.
Cope, E. D. 1869 E, 178.
Dohrer, J. 1916 A, 103, pl. vii.
Dollo, L. 1889 B, 671.
Eaton, G. F. 1910 A, 11, pl. v, fig. 10.
Fischer, E. 1903 A, 710.
Fuchs, H. 1907 B, 425, pl. xx, fig. 4.
1912 B, 87.
1920 A, 383.
1920 B, 21, 24.
1927 A, 332.
Gadow, H. 1901 B, 338.
Goodrich, E. S. 1916 A, 265, fig. 2.
Gray, J. E. 1873 D, 165.
Hay, O. P. 1905 A, 141, 149.
1906 D, 170.
1908 A, 223.
1916 C, 76.
1923 A, 482.
Huene, F. 1920 D, 166.
Kingsley, J. S. 1905 A, 63, fig. 5.
Kneeland, S. 1854 A, 84 (Emysaurus).
Kraglievich, L. 1926 C, 62.
Lang and Rütemeyer 1867 A, 28.
Le Damany, P. 1906 A, 50, fig. 8 ("émysaure").
Lehrs, Ph. 1911 A, 263.
Leidy, J. 1889 H, 6.
Mercer, H. C. 1894 A, 98 ("snapper").
Miller, B. L. 1912 A, 5 (This species?).
Moodie, R. L. 1908 D, 445.
Newman, H. H. 1906 A, 71, 99.
Nick, L. 1912 A, 73, pls.
Nikitin, B. 1916 A, 266, pls. ii-v.
Rice, E. L. 1920 A.
Scharff, R. F. 1911 A, 134.
Seeley, H. G. 1876 C, 173.
Shufeldt, R. 1921 A, 221.
Siebenrock, F. 909 A, 434.
Siegelbauer, F. 1909 A, 184, pl. viii, fig. 10; pl. x, figs. 26-28.
Stannius, H. 1856 A, 30.
Stejneger and Barbour 1917 A, 113.
Tornier, G. 1909 C, 552, fig. 2.
Vaillant, L. 1881 A, 46, 103.
Wegner, T. 1911 A, 122, 129.
Wieland, G. R. 1902 A, 103.
Williston, S. W. 1914 A, 226.
Zdansky, O. 1924 A, 93.
Recent; Eastern half United States: Pleistocene (Middle?); Maryland.

Chelydra sp. indet.

Gidley, J. W. 1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1927 D, 274. Pleistocene; Florida.

Macrochelys Gray. Type *M. temminckii* (Holbrook).

Gray, J. E. 1856, Proc. Zool. Soc. Lond. 1855, 200.
Baur, G. 1892 D, 207.
1896 D, 314, 318.
Boulenger, G. A. 1918 E, 515 (Macroclemmys).
Coker, R. E. 1910 A, 6 (Macroclemmys).
Dollo, L. 1889 B, 671 (Macroclemmys).
Durand, J. P. 1898 A, 295 ("emysaure").
Fuchs, H. 1907 B, 425, pl. xx, fig. 5 (Macroclemmys).
Gadow, H. 1901 B, 340 (Macroclemmys).
Gray, J. E. 1855 A, 48 (Macroclemmys).
Hay, O. P. 1905 A, 169.
1912 E, 218.
Huene, F. 1902 A, 51 (Macroclemmys).
1926 G, 514 (Macroclemmys).
Huxley, T. H. 1887 C, 233 (Gypochelys).
Kasper, A. 1903 A, 164, pl. i, fig. 1; text-fig. 4 (Macroclemmys).
Lönnberg, E. 1910 A, 22 (Macroclemmys).
Nopcsa, F. 1923 F, 21 (Macroclemmys).
1928 A, 166 (Macroclemmys).
Siebenrock, F. 1907 A, 527, 533 (Macroclemmys).
1909 A, 435 (Macroclemmys).
Versluys, J. 1914 A, 801 (Macroclemmys).
Völker, H. 1913 A, 520 (Macroclemmys).
Williston, S. W. 1925 A, 42, 107, 118, figs. 30, 83.
1925 B, 226.
Zittel and Broili 1911 A, 251 (Macroclemys).
1923 A, 305 (Macroclemmys).

Macrochelys floridana Hay.

Hay, O. P. 1907 B, 847, text-figs. 1-4.
Gratacap, L. P. 1908 A, 921 (M. temminicki).
Hay, O. P. 1908 A, 222, text-figs. 282-285.
Pleistocene (Early); Florida.

Macrochelys temminckii (Holbrook).

Holbrook, J. E. 1840, N. Amer. Herp., ed. i, v, 29, pl. iv (Chelonura).
Dollo, L. 1889 B, 671 (Macroclemmys).
Gadow, H. 1896 A, 42, fig. 49 (Macroclemmys).
1901 B, 340 (Macroclemmys).
1902 D, 219 (Macroclemmys).
Gray, J. E. 1855 A, 49 (Macroclemmys).
Hay, O. P. 1911 A, 452, 455, pls. xviii, xix; text-fig. 1.
Huene, F. 1920 D, 166 (Macroclemmys).
Newman, H. H. 1906 A, 70, 75.
Nopcsa, F. 1923 F, 20 (Macroclemmys).

Owen, R. 1866 A, 131, 135 (Chelonura).
Scharff, R. F. 1911 A, 135 (Macroclemmys).
Siebenrock, F. 1909 A, 436 (Macroclemys).
Vaillant, L. 1881 A, 46, 103 (Chelydra).
Virchow, H. 1919 A, 304 (Macroclemmys).
Virchow, H. 1926 A, 217, fig. 4 (Macroclemmys teminckii).
Völker, H. 1913 A, 532 (Macroclemmys).
Wiedersheim, R. 1892 A, 52 (Makrochelys).

Recent; Texas to Georgia, north to Missouri: Pleistocene (Early); Texas.

CHELYDROPS Matthew. Type *C. stricta* Matthew.

Matthew, W. D. 1924 C, 208.

Chelydrops stricta Matthew.

Matthew, W. D. 1924 C, 68, 208, fig. 63.

Upper Miocene (Lower Snake Creek); Nebraska.

TOXOCHELYIDÆ Baur.

Baur, G. 1896 B, 564.
Hay, O. P. 1902 A, 442.
Baur, G. 1895 D, 569 (Toxochelydæ).
1896 E, 569 (Toxochelydæ).
Hay, O. P. 1908 A, 163.
Oertel, W. 1914 A, 102 ("toxochelyden").
Versluys, J. 1914 A, 793.
1914 B, 324.
Völker, H. 1913 A, 491.
Wieland, G. R. 1902 A, 108 (Toxochelydinæ).
Williston, S. W. 1902 L, 918 (Toxochelydæ).
1925 B, 225.
Zittel and Broili 1911 A, 255.
1923 A, 310.
Zittel and Koken 1911 A, 255 (Toxochelydæ).

TOXOCHELYS Cope. Type *T. latiremis* Cope.

Hay, O. P. 1902 A, 442.
Abel, O. 1912 F, 529, 616.
1919 A, 401.
1921 A, 191.
1922 C, 320.
Anonymous 1906 D, 711.
Arldt, T. 1907 D, 276.
Baur, G. 1891 B, 414.
1896 E, 569.
Dollo, L. 1903 A.
1903 C.
Gaupp, E. 1911 B, 109.
1911 C, 449.
Hay, O. P. 1905 A, 154.
1908 A, 163.
1909 D, 341.
1922 E, 425, 439.
1928 A, 4, 9.
Longman, H. A. 1915 A, 28.
Nopcsa, F. 1923 E, 1051, figs. 8, 9.
1923 H, 32, 37, 191.
1928 A, 167.
Oertel, W. 1914 A, 102.
Rogers, A. F. 1924 A, 545.
Schlosser, M. 1898 K, 526.
Sternberg, C. H. 1908 A, 111.
Tornier, G. 1913 B, 365.
Völker, H. 1913 A, 493.
Wieland, G. R. 1902 A, 96.
1904 A, 125.
1905 A, 325.
1906 B, 13.
1912 B, 299.
Williston, S. W. 1901 B, 198.
1908 G, 803.
1914 A, 231.
1914 D, 411.
Zittel and Broili 1911 A, 255.
1923 A, 310.
Zittel, Eastman, etc. 1902 A, 201.

Toxochelys bauri Wieland.

Wieland, G. R. 1905 A, 326, 334, 341, pl. x; text-figs. 1-4, 6, 7.
Abel, O. 1919 A, 399, figs. 310, 311.
1922 C, 321, figs. 278-280.
Hay, O. P. 1908 A, 178, text-figs. 229, 230.
Sternberg, C. H. 1908 A, 112.
1909 C, 257, fig. 37.
Versluys, J. 1914 A, 798, fig. 4.
1914 B, 333, 340, fig. 5.
Wieland, G. R. 1909 A, 107.
1912 A, 287.
Williston, S. W. 1914 A, 231, 238, fig. 120.

Upper Cretaceous (Niobrara); Kansas.

Toxochelys brachyrhina Case.

Hay, O. P. 1902 A, 442.
1905 E, 177.
1908 A, 171, pl. xxxi, fig. 1.
Wieland, G. R. 1905 A, 337.

Upper Cretaceous (Niobrara); Kansas.

Toxochelys elkader Hay.

Hay, O. P. 1908 A, 174, text-figs. 221-223.

Upper Cretaceous (Niobrara); Kansas.

Toxochelys latiremis Cope.

Hay, O. P. 1902 A, 442.
Cope, E. D. 1875 E, 98, 260, pl. viii, figs. 1, 2.
Hay, O. P. 1905 A, 155.
1905 E, 177.
1908 A, 168, text-figs. 200, 202-206.
Leidy, J. 1873 B, 269, pl. xxxvi, figs. 17-21 (?Cynocercus incisus).
Merrill, G. P. 1907 A, 69 (Cynocercus incisus?).
Oertel, W. 1914 A, 103.
Schlosser, M. 1898 K, 525.
Sternberg, C. H. 1917 A, 159 (Torycheles).
Wieland, G. R. 1902 A, 95, fig. 1.
1905 A, 329, 336, fig. 8.

Wieland, G. R. 1906 A, 293, fig. 7.
Williston, S. W. 1901 B, 195, pl. xviii.
1914 A, 232, fig. 121.
Upper Cretaceous (Niobrara); Kansas.

Toxochelys procax Hay.

Hay, O. P. 1905 E, 181, text-figs. 13, 14.
1908 A, 176, text-figs. 224-228.
Oertel, W. 1914 A, 102, 104.
Versluys, J. 1914 A, 796, fig. 3.
1914 B, 329.
Wieland, G. R. 1905 A, 338.
Upper Cretaceous (Niobrara); Kansas.

Toxochelys serrifer Cope.

Hay, O. P. 1902 A, 442.
1905 E, 178, text-figs. 1-7.
1908 A, 170, text-figs. 207-213.
Newman, H. H. 1906 A, 74, 104.
Wieland, G. R. 1905 A, 337.
Williston, S. W. 1901 B, 198.
Upper Cretaceous (Niobrara); Kansas.

Toxochelys stenopora Hay.

Hay, O. P. 1905 E, 180, text-figs. 8-12.
1908 A, 172, text-figs. 214-220.
1909 B, 191, pl. i; text-fig. 1.
Wieland, G. R. 1905 A, 338 (T. stenoporus = T. serrifer).
Upper Cretaceous (Niobrara); Kansas.

CYNOCERCUS Cope. Type *C. incisus* Cope.

Hay, O. P. 1902 A, 442.
Cope, E. D. 1872 H.
Hay, O. P. 1908 A, 180.
Wieland, G. R. 1902 A, 198.

Cynocercus incisus Cope.

Hay, O. P. 1902 A, 442.
1905 E, 182.
1908 A, 180.
Upper Cretaceous (Niobrara); Kansas.

PORTHOCHELYS Williston. Type *P. laticeps* Williston.

Williston, S. W. 1901 B, 195.
Hay, O. P. 1905 A, 156.
1908 A, 180.
1909 D, 341.
Nopcsa, F. 1923 H, 191.
Wieland, G. R. 1901 A, 108.
Williston, S. W. 1908 G, 804.
1925 B, 225.
Zittel, Eastman, etc. 1902 A, 201.
Zittel and Koken 1911 A, 255.

Porthochelys browni Hay.

Hay, O. P. 1905 E, 183, text-figs. 15, 16.
1908 A, 182, text-figs. 235-237.
Upper Cretaceous (Pierre); South Dakota.

Porthochelys laticeps Williston.

Williston, S. W. 1901 B, 195, pls. xix-xxii.
Hay, O. P. 1905 E, 183.
1908 A, 180, pl. xxxi, figs. 2, 3; text-figs. 231-234.
Upper Cretaceous (Niobrara); Kansas.

DERMATEMYDIDÆ.

Hay, O. P. 1902 A, 444 (Adocidæ).
Arldt, T. 1907 D, 650.
1912 A, 678, 714.
Baur, G. 1891 E, 634.
1896 D, 314, 319.
Boulenger, G. A. 1889 A, 27 (Dermatemys).
Cooper, C. F. 1922 C, 156.
Cope, E. D. 1880 U, 147 (Adocidæ).
Dollo, L. 1889 B, 671.
Gadow, H. 1901 B, 341.
1902 D, 219.
1905 A, 209.
Gilmore, C. W. 1917 A, 121.
1920 A, 25.
Harrassowitz, H. 1922 A, 141, 142, 183.
Hay, O. P. 1905 A, 151.
1905 G, 339.
1906 C, 160.
1908 A, 18, 32, 223.
Kasper, A. 1903 A, 162 ("dermatemydiden").
Lydekker, R. 1912 C, 40, 107.
Matthew, W. D. 1914 B, 387.
1915 A, 283.
1915 K, 437.
Matthew, W. D. 1921 D, 211, 214.
Nopcsa, F. 1922 D, 156.
1923 F.
1923 H, 36, 39, 122, 168 (Dermatemydinæ).
1926 A, 657 (Dermatemyda).
1928 A, 166 (Dermatemydidæ, Dermatemydinæ).
Osborn, H. F. 1909 D, 58.
Palacký, J. 1902 B, 145 (Dermatemys).
Scharff, R. F. 1911 A, 236, 251.
Siebenrock, F. 1907 A, 527, 533.
1909 A, 448.
Stefano, G. 1917 A, 282, 286 (Adocidæ).
Steiner, H. 1922 A, 336 (Dermatemys).
Tornier, G. 1913 B, 365.
Vaillant, L. 1877 C, 57 (Dermatemys).
Waite, E. R. 1905 A, 117.
Walther, W. G. 1922 A, 74, 76, 90.
Wieland, G. R. 1904 A, 116 (Dermatemys).
Williston, S. W. 1925 B, 226.
Zittel and Broili 1911 A, 255.
1923 A, 311.
Zittel, Eastman, etc. 1902 A, 201.

BASILEMYS Hay. Type *Compsemys variolosus* Cope.

Hay, O. P. 1902 A, 445.
1908 A, 226.
1910 B, 294, 298.
Nopcsa, F. 1923 F, 15, 17.
Sternberg, C. M. 1926 A, 103.
Williston, S. W. 1925 B, 226.

Basilemys imbricarius (Cope).

Hay, O. P. 1902 A, 445.
Bowen, C. F. 1915 A, 122, 150.
Hatcher, J. B. 1905 B, 77.
Hay, O. P. 1908 A, 231, pl. xxxii, figs. 5-7; text-figs. 290, 291.
Knowlton, F. H. 1911 C, 58, 62.
Osborn, H. F. 1902 H, 674.
1902 I, 12 (Compsemys); 16 (Basilemys).
Sternberg, C. H. 1914 A, 134 (Compsemys).
Upper Cretaceous (Judith River); Montana.

Basilemys nobilis Hay.

Hay, O. P. 1910 A, 316, text-figs. 12, 13.
Gilmore, C. W. 1916 D, 296, fig. 37.
1917 A, 7, 44.
1920 A, 9.
Reeside, J. B. 1924 A, 31.
Upper Cretaceous (Ojo Alamo); New Mexico.

Basilemys ogmius (Cope).

Hay, O. P. 1902 A, 445 (B. variolosus, part).
Bowen, C. F. 1915 A, 122, 151.
Dawson, G. M. 1885 A, 38 C (Compsemys).
Hatcher, J. B. 1905 B, 76 (B. imbricarius a syn.).
Hay, O. P. 1908 A, 226, 229 (=? B. variolosus).
Lambe, L. M. 1906 A, 195 (Compsemys).
A species based on extremely poor and probably unidentifiable material.
Upper Cretaceous (Belly River); Alberta.

Basilemys præclarus Hay.

Hay, O. P. 1910 A, 313, pl. x, fig. 6; text-figs. 6-11.
Upper Cretaceous (Lance); South Dakota.

Basilemys sinuosus Riggs.

Riggs, E. S. 1906 A, 249, pls. lxxvi-lxxviii.
Bowen, C. F. 1915 A, 122.
Brown, B. 1907 A, 842.
1914 E, 358.
Hay, O. P. 1908 A, 229, pl. xxxiii, figs. 1, 2; text-figs. 288, 289.
1910 A, 313.
Knowlton, F. H. 1909 A, 190.
Upper Cretaceous (Hell Creek); Montana.

Basilemys variolosus (Cope).

Hay, O. P. 1902 A, 445.
Bowen, C. F. 1915 A, 122, 148, 151.
Brown, B. 1914 E, 378.
Dawson, G. M. 1884 A, 38 (Compsemys agmius).
Hatcher, J. B. 1905 B, 76 (B. ogmius).
Hay, O. P. 1903 D, 119.
1908 A, 226, pl. xxxii, fig. 4; pl. xxxiv, fig. 1; text-fig. 287.
1910 A, 313.
1910 B, 298.
Knowlton, F. H. 1911 C, 57, 62 (B. ogmius, B. variolosa).
Lambe, L. M. 1901 A, 63, pls. iii-vi (Adocus).
1902 A, 39, pl. ii, figs. 1-3; text-figs. 4-6 (Adocus).
1904 C, 22, 37, 47.
1906 A, 194.
1907 B, 179 (Adocus).
Matthew, W. D. 1916 A, 484.
Osborn, H. F. 1901 I, 12-16 (Adocus, Basilemys).
1902 H, 674.
Upper Cretaceous (Judith); Montana: (Belly River); Alberta.

Basilemys sp. indet.

Gilmore, C. W. 1917 B, 4, 44. Upper Cretaceous (Two Medicine); Montana.
1924 D, 27. Upper Cretaceous (Lance); Saskatchewan.
Sternberg, C. M. 1924 A, 68. Upper Cretaceous (Lance); Saskatchewan.
1926 A, 104. Upper Cretaceous (Edmonton); Alberta.

COMPSEMYS Leidy. Type *C. victus* Leidy.

Hay, O. P. 1902 A, 437.
Arldt, T. 1907 D, 276.
Cope, E. D. 1880 U, 148.
Fuchs, H. 1920 A, 360.
Gilmore, C. W. 1920 A, 12.
Hay, O. P. 1903 B, 203.
1905 A, 147.
1908 A, 226, 233.
1910 A, 308.
Loomis, F. B. 1901 A, 195.
Nopcsa, F. 1923 F.
1923 H, 35.
1928 A, 165.
Osborn, H. F. 1902 I, 9.
Simpson, G. G. 1926 H, 204.
Stanton and Hatcher 1905 A, 38 (Emys. This genus?).
Williston, S. W. 1925 B, 226.

Compsemys obscurus (Leidy).

Hay, O. P. 1902 A, 437.
Bowen, C. F. 1915 A, 124.
Brown, B. 1907 A, 842.
1914 E, 358.
Hay, O. P. 1908 A, 235, pl. xxxiv, fig. 4.
1910 B, 297.
Knowlton, F. H. 1911 C, 60, 63.
Leidy, J. 1860 A, 153, pl. xi, fig. 4 (Emys?).
Osborn, H. F. 1902 I, 12, 17.
Peale, A. C. 1912 A, 754.
Sternberg, C. H. 1914 A, 134.
Upper Cretaceous (Lance); North Dakota: (Hell Creek); Montana.

Compsemys parvus Hay.

Hay, O. P. 1910 A, 308, pl. x, figs. 1-3; text-fig. 1 (C. parva).
Gilmore, C. W. 1920 A, 9, 10, 13, pl. i, figs. 1, 2; pl. xix, fig. 3; text-fig. 1.
Nopcsa, F. 1923 F, 15.
Reeside, J. B. 1924 A, 38, 42 (This species?).
Paleocene (Puerco, Torrejon?); New Mexico.

Compsemys plicatulus Cope.

Hay, O. P. 1902 A, 437.
Baur, G. 1891 E, 634.
Hay, O. P. 1903 B, 203.
1905 A, 137, 153, text-fig. 4.
1905 D, 125.
1905 G, 331.
1905 I, 297.
Marsh, O. C. 1890 E, 177, pl. vii, figs. 1, 2 (Glyptops ornatus).
Mook, C. C. 1916 A, 149.
Williston, S. W. 1905 B, 346.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado, Wyoming.

Compsemys puercensis Gilmore.

Gilmore, C. W. 1920 A, 9, 10, 19, pl. iii, figs. 1, 2; text-figs. 3, 4.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco); New Mexico.

Compsemys torrejonensis Gilmore.

Gilmore, C. W. 1920 A, 10, 21, pl. iv, figs. 1, 2; text-figs. 4-6.
Nopcsa, F. 1923 F, 15.
Reeside, J. B. 1924 A, 42.
Paleocene (Torrejon); New Mexico.

Compsemys vafer Hay.

Hay, O. P. 1910 A, 311, pl. x, figs. 4, 5; pl. xi, figs. 1, 2; text-figs. 2-5.
Gilmore, C. W. 1916 D, 299.
1920 A, 9, 10, 16, pl. ii, figs. 1, 2; text-fig. 2.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco); New Mexico.

Compsemys victus Leidy.

Hay, O. P. 1902 A, 437.
Bowen, C. F. 1915 A, 124.
Brown, B. 1907 A, 842.
1914 E, 358.
Cope, E. D. 1874 B, 433, 454.
Cross, W. 1896 A, 227.
Gilmore, C. W. 1920 A, 12 (C. victa).
Hatcher, J. B. 1905 B, 79.
Hay, O. P. 1903 D, 119.
1908 A, 233, pl. xxxiv, figs. 2, 3; text-figs. 292-295.
1910 A, 308.
1910 B, 298.
Knowlton, F. H. 1911 C, 60, 63.
Lambe, L. M. 1904 C, 37, 47 (This genus?).
Merrill, G. P. 1907 A, 66.
Osborn, H. F. 1902 I, 12, 17.
Peale, A. C. 1912 A, 754.
Sternberg, C. H. 1914 A, 134.
Upper Cretaceous (Lance); North Dakota, Wyoming; (Hell Creek); Montana: (Denver or Arapahoe?); Colorado.

Compsemys sp. indet.

Hay, O. P. 1902 A, 437. Paleocene (Puerco); New Mexico.
Gilmore, C. W. 1916 D, 299, pl. lxxviii, fig. 2. Upper Cretaceous (Ojo Alamo); New Mexico.
1926 J, 28. Upper Cretaceous (Lance); Wyoming.
Reeside, J. B. 1924 A, 31. Upper Cretaceous (Ojo Alamo); New Mexico.

Adocus Cope. Type *Emys beatus* Leidy.

Hay, O. P. 1902 A, 444.
Anonymous 1905 B, 205.
Gilmore, C. W. 1920 A, 25.
Hay, O. P. 1905 C, 339.
1906 C, 159.
1908 A, 226, 236.
1910 A, 319.
1910 B, 294.
Heilprin, A. 1887 A, 315.
Nopcsa, F. 1923 F, 13.
Wieland, G. R. 1904 A, 112, 114.
1904 B, 192.
Williston, S. W. 1925 B, 226.

Adocus agilis Cope.

Hay, O. P. 1902 A, 444.
Gilmore, C. W. 1920 A, 26.
Hay, O. P. 1908 A, 236, 242, 246, pl. xxxvi, fig. 3.
Upper Cretaceous (Hornerstown?); New Jersey.

Adocus beatus (Leidy).

Hay, O. P. 1902 A, 444.
Gilmore, C. W. 1920 A, 26.
Hay, O. P. 1908 A, 236, 239, pl. xxxiv, figs. 6, 7; text-figs. 299-301.
Maack, G. A. 1869 A, 278 (Emys).
Wieland, G. R. 1904 A, 115, fig. 2.
Upper Cretaceous?; New Jersey.

Adocus bossi Gilmore.

Gilmore, C. W. 1920 A, 8, 10, 26, 29, pls. vii, viii; text-figs. 9, 10.
Reeside, J. B. 1924 A, 23.
Upper Cretaceous (Kirtland); New Mexico.

Adocus hesperius Gilmore.

Gilmore, C. W. 1920 A, 9, 26, 33, pl. ix; text-fig. 11.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco); New Mexico.

Adocus kirtlandius Gilmore.

Gilmore, C. W. 1920 A, 8, 10, 26, pls. v, vi; text-figs. 7, 8.
Reeside, J. B. 1924 A, 23.
Upper Cretaceous (Kirtland); New Mexico.

Adocus lacer Hay.

Hay, O. P. 1908 A, 236, 241, pl. xxxiv, fig. 8; pl. xxxvi, fig. 1; text-figs. 302-307.
Gilmore, C. W. 1920 A, 26.
Upper Cretaceous? (Hornerstown?); New Jersey.

Adocus lineolatus (Cope).

Hay, O. P. 1902 A, 437 (Compsemys).
Bowen, C. F. 1915 A, 122, 148.
Brown, B. 1907 A, 842.
1914 E, 358 (Adocus?).
Cross, W. 1896 A, 244 ("Compsemys").
Gilmore, C. W. 1916 D, 297 (Adocus?).
1920 A, 26.
Hatcher, J. B. 1905 B, 75.
Hay, O. P. 1903 D, 117 (Compsemys); 119 (Adocus).
1908 A, 236, 242, 247, figs. 308, 309 (Adocus?).
1910 B, 298 (Adocus?).
Knowlton, F. H. 1911 C, 57, 62.
Lambe, L. M. 1902 A, 38 (Adocus?).
1904 C, 22, 37, 47 (Adocus?).
1906 A, 194 (Adocus?).
Osborn, H. F. 1902 I, 12, 16 (Adocus?).
Peale, A. C. 1912 A, 754 (Adocus?).
Upper Cretaceous (Denver or Arapahoe?); Colorado: (Belly River); Alberta: (Judith River, Hell Creek); Montana: (Lance); Wyoming.

Adocus onerosus Gilmore.

Gilmore, C. W. 1920 A, 10, 26, 35, pl. x, figs. 1, 2; text-figs. 12, 13.
Reeside, J. B. 1924 A, 42.
Paleocene (Torrejon); New Mexico.

Adocus pravus (Leidy).

Hay, O. P. 1902 A, 444.
Gilmore, C. W. 1920 A, 26.
Hay, O. P. 1908 A, 236, 242, 246.
Upper Cretaceous (Tinton?); New Jersey.

Adocus punctatus Marsh.

Marsh, O. C. 1890 E, 178, pl. vii, fig. 3.
Hay, O. P. 1902 A, 444 (Syn. of A. beatus).
Baur, G. 1891 B, 428 (A. beatus, part).
Gilmore, C. W. 1920 A, 26.
Hay, O. P. 1908 A, 236, pl. xxxiv, fig. 5; pl. xxxv, figs. 1, 2; text-figs. 296-298.
Nopcsa, F. 1926 A, 658, text-fig. 9.
Wieland, G. R. 1904 A, 112, pls. i-iv; text-figs. 1, 2.
Upper Cretaceous? (Hornerstown?); New Jersey.

Adocus syntheticus Cope.

Hay, O. P. 1902 A, 444.
Gilmore, C. W. 1920 A, 26.
Hay, O. P. 1908 A, 236, 242, 244, pl. xxxvi, fig. 2.
Upper Cretaceous (Hornerstown?); New Jersey.

Adocus vigoratus Hay.

Hay, O. P. 1910 A, 317, pl. xi, fig. 3; text-figs. 14-18.
Gilmore, C. W. 1916 D, 298, pl. lxxvii, fig. 2; pl. lxxviii, fig. 3; text-fig. 38.
1920 A, 9, 25, 26.
Reeside, J. B. 1924 A, 31.
Upper Cretaceous (Ojo Alamo); New Mexico.

Adocus sp. indet.

Gilmore, C. W. 1924 D, 27. Upper Cretaceous (Lance); Saskatchewan.
Reeside, J. B. 1924 A, 21. Upper Cretaceous (Fruitland); New Mexico.
Sternberg, C. M. 1924 A, 68. Upper Cretaceous (Lance); Saskatchewan.

Agomphus Cope. Type *Emys turgidus* Cope.

Hay, O. P. 1902 A, 444.
Anonymous 1905 B, 205.
Cooper, C. F. 1922 C, 156.
Hay, O. P. 1906 C, 159.
1908 A, 226, 248.
Nopcsa, F. 1922 D, 156.
Wieland, G. R. 1905 B, 430, 442.
1923 A, 7.
Williston, S. W. 1925 B, 226.

Agomphus alabamensis Gilmore.

Gilmore, C. W. 1919 C, 123-125, pl. xxxv; text-fig. 5.
Lower Eocene (Midway); Alabama.

Agomphus firmus (Leidy).

Hay, O. P. 1902 A, 445.
1908 A, 249, 254.
Wieland, G. R. 1905 B, 435.
Upper Cretaceous (Tinton); New Jersey.

Agomphus masculinus Wieland.

Wieland, G. R. 1905 B, 437, 438, fig. 8.
Hay, O. P. 1908 A, 249, 255, fig. 319.
Upper Cretaceous? (Navesink-Hornerstown?); New Jersey.

Agomphus oxysternum Cope.

Hay, O. P. 1902 A, 445.
1908 A, 249, 256, fig. 320.
Wieland, G. R. 1905 B, 435 (Adocus); 430 (Amphiemys).
Lower Eocene (Midway); Georgia.

Agomphus pectoralis (Cope).

Hay, O. P. 1902 A, 444 (Adocus).
Cope, E. D. 1870 N, 548 (Adocus).
Hay, O. P. 1908 A, 249, 254, pl. xxxvii, figs. 8, 9.
Wieland, G. R. 1905 B, 435 (Adocus).
Upper Cretaceous (Vincentown?); New Jersey.

Agomphus petrosus Cope.

Hay, O. P. 1902 A, 445.
1908 A, 249, 250, pl. xxxvi, fig. 4; pl. xxxvii, figs. 6, 7; text-figs. 311-313.
Wieland, G. R. 1905 B, 430.
Upper Cretaceous? (Upper Greensand); New Jersey.

Agomphus tardus Wieland.

Wieland, G. R. 1905 B, 430, figs. 1-7.
Hay, O. P. 1908 A, 249, 252, figs. 314-318.
Upper Cretaceous? (Navesink-Hornerstown); New Jersey.

Agomphus turgidus Cope.

Hay, O. P. 1902 A, 445.
1908 A, 249, pl. xxxvii, figs. 1-5; text-fig. 310.
Wieland, G. R. 1905 B, 430, 435, 442, fig. 9 (This species?).
Upper Cretaceous? (Upper Greensand); New Jersey.

ZYGORAMMA Cope. Type *Z. striatula* Cope.

Hay, O. P. 1902 A, 445.
1908 A, 226, 257.
Williston, S. W. 1925 B, 226.

Zygoramma microglypha Cope.

Hay, O. P. 1902 A, 445.
1908 A, 259, text-fig. 322.
Upper Cretaceous? (Navesink-Hornerstown); New Jersey.

Zygoramma striatula Cope.

Hay, O. P. 1902 A, 445.
1908 A, 257, pl. xxxvii, fig. 10; pl. xxxviii, figs. 1-3; text-fig. 321.
Upper Cretaceous? (Navesink-Hornerstown); New Jersey.

HOMOROPHUS Cope. Type *H. insuetus* Cope.

Hay, O. P. 1902 A, 446.
1908 A, 226, 260.
Williston, S. W. 1925 B, 226.

Homorophus insuetus Cope.

Hay, O. P. 1902 A, 446.
1908 A, 260.
Upper Cretaceous? (Hornerstown?); New Jersey.

ALAMOSEMYS Hay. Type *A. substricta* Hay.

Hay, O. P. 1908 A, 226, 260.
1910 A, 319.
1910 B, 294.
Williston, S. W. 1925 B, 226.

Alamosemys annexa Hay.

Hay, O. P. 1910 A, 318, fig. 19.
Gilmore, C. W. 1920 A, 10, 26, 37, pl. xi, figs. 1, 2; pl. xii; text-figs. 14, 15 (Adocus).
Reeside, J. B. 1924 A, 42 (Adocus).
Paleocene (Torrejon); New Mexico.

Alamosemys substricta Hay.

Hay, O. P. 1908 A, 260, pl. xxxix, figs. 1, 2; text-figs. 323, 324.
Gilmore, C. W. 1920 A, 10 (Adocus).
Matthew, W. D. 1914 B, 383 (A. substriata).
Reeside, J. B. 1924 A, 42 (Adocus).
Paleocene (Torrejon); New Mexico.

HOPLOCHELYS Hay. Type *Chelydra crassa* Cope.

Hay, O. P. 1908 A, 226, 263.
Cooper, C. F. 1922 C, 156.
Gilmore, C. W. 1920 A, 40.
Hay, O. P. 1910 A, 321.
1910 B, 294.
Nopcsa, F. 1922 D, 156.
1923 F, 13, 15.
Williston, S. W. 1925 B, 226.

Hoplochelys bicarinata Hay.

Hay, O. P. 1910 A, 321, pl. xii, figs. 1, 2; text-figs. 20-23.
Gilmore, C. W. 1920 A, 9, 41, pl. xiv, figs. 1, 2; text-figs. 17, 18.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco); New Mexico.

Hoplochelys cælata Hay.

Hay, O. P. 1908 D, 163, pl. xxvii, figs. 1-3.
1910 A, 324.
Paleocene (Torrejon); New Mexico.

Hoplochelys crassa (Cope).

Hay, O. P. 1902 A, 446 (Chelydra).
Gardner, J. H. 1910 A, 731 (Chelydra).
Gilmore, C. W. 1920 A, 9, 10, 40, 41, pl. xiii; text-fig. 16.
Hay, O. P. 1905 G, 339, 340.
1908 A, 263, pl. xxxviii, figs. 4-9; text-fig. 325.
1908 D, 164.
Matthew, W. D. 1914 B, 383.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco); New Mexico.

Hoplochelys elongata Gilmore.

Gilmore, C. W. 1920 A, 10, 41, 50, pl. xvi, figs. 1, 2; text-figs. 21, 22.
Reeside, J. B. 1924 A, 42.
Paleocene (Torrejon); New Mexico.

Hoplochelys laqueata Gilmore.

Gilmore, C. W. 1920 A, 9, 10, 41, 47, pl. xv, figs. 1, 2; text-figs. 19, 20.

Nopcsa, F. 1923 F, 14.
1926 A, 658, text-fig. 9.
Reeside, J. B. 1924 A, 38 (H. laqueta).
Paleocene (Puerco); New Mexico.

Hoplochelys paludosa Hay.

Hay, O. P. 1908 A, 266, text-fig. 328.
Gilmore, C. W. 1920 A, 10.
Matthew, W. D. 1914 B, 383.
Reeside, J. B. 1924 A, 42.
Paleocene (Torrejon); New Mexico.

Hoplochelys saliens Hay.

Hay, O. P. 1908 A, 265, text-figs. 326, 327.
Gilmore, C. W. 1920 A, 10, 41, 49.
Matthew, W. D. 1914 B, 383.
Reeside, J. B. 1924 A, 42.
Paleocene (Torrejon); New Mexico.

KALLISTIRA Hay. Type *Dermatemys costilatus* Cope.

Hay, O. P. 1908 A, 226, 267.
Williston, S. W. 1925 B, 226.
Zittel and Broili 1911 A, 256 (Kallistina).

Kallistira costilata (Cope).

Hay, O. P. 1902 A, 445 (Baptemys).
1908 A, 267, text-figs. 329-334.
Merrill, G. P. 1907 A, 69 (Dermatemys).
Lower Eocene (Wasatch); New Mexico.

NOTOMORPHA Cope. Type *N. gravis* Cope.

Hay, O. P. 1902 A, 448.
1908 A, 226, 269.
Williston, S. W. 1925 B, 226.

Notomorpha gravis Cope.

Hay, O. P. 1902 A, 448.
Cope, E. D. 1874 B, 441.
Hay, O. P. 1908 A, 269, text-figs. 335, 336.
Merrill, G. P. 1907 A, 71 (Emys); 74 (Notomorpha).
Lower Eocene (Wasatch); Wyoming.

BAPTEMYS Leidy. Type *B. wyomingensis* Leidy.

Hay, O. P. 1902 A, 445.
Cope, E. D. 1871 C, 563.
Hay, O. P. 1908 A, 226, 270.
Nopcsa, F. 1923 F, 8, 14, 15.
Williston, S. W. 1925 B, 226.

Baptemys wyomingensis Leidy.

Hay, O. P. 1902 A, 445 (B. wyom.); 438 (Baëna? ponderosa).
1904 A, 265, pl. xiii, figs. 1-3; text-fig. 2.
1905 G, 331 (Baëna? ponderosa).
1908 A, 270, pl. xxxvii, figs. 11-13; pl. xxxviii, fig. 10; pl. xl, fig. 1; pl. xli, figs. 1, 2; text-figs. 337-345.
Hayden, F. V. 1871 A, 145.
Lambe, L. M. 1906 B, 233 (Baëna ponderosa).
Merrill, G. P. 1907 A, 64 (Baëna ponderosa).
Middle Eocene (Bridger); Wyoming.

Baptemys fluviatilis Hay.

Hay, O. P. 1908 A, 277, pl. xlii, figs. 1, 2; text-figs. 350, 351.
Middle Eocene? (Bridger?); Colorado?.

Baptemys tricarinata Hay.

Hay, O. P. 1908 A, 275, text-figs. 346-349.
Cooper, C. F. 1922 C, 156.
Cope, E. D. 1881 D, 184 ("Dermatemys").
Nopcsa, F. 1922 D, 156.
Middle Eocene (Wind River); Wyoming.

Baptemys sp. indet.

Lee, W. T. 1917 A, 141.
Upper Cretaceous (Vermejo); Colorado.

XENOCHELYS Hay. Type *X. formosa* Hay.

Hay, O. P. 1906 B, 29.
1908 A, 226, 282.
Williston, S. W. 1925 B, 226.
Zittel and Broili 1911 A, 256.

Xenochelys formosa Hay.

Hay, O. P. 1906 B, 29, text-figs. 2, 3.
1904 A, 282, text-figs. 355, 356.
O'Harra, C. C. 1920 A, 160.
Oligocene (Chadron); South Dakota.

ANOSTEIRIDÆ Hay.

Hay, O. P. 1902 A, 446.
Baur, G. 1891 B, 420 (Anosteirinæ).
Harrassowitz, H. 1922 A, 209, 210, 212.
Hay, O. P. 1905 G, 332.
Nopcsa, F. 1923 H, 122 (Anosteirinæ).
1928 A, 167 (Anosteirinæ).

ANOSTEIRA Leidy. Type *A. ornata* Leidy.

Hay, O. P. 1902 A, 447.
Arldt, T. 1907 D, 276 (Anostira).
Dollo, L. 1887 B, 393 (Anostira).
Harrassowitz, H. 1919 A, 148.
1922 A, 132-239.
1922 B, 93.
Hay, O. P. 1905 G, 332.
1908 A, 226, 279.
Leidy, J. 1872 B, 370.
Lemoine, V. 1889 A, 237 (Anostira).
Lydekker, R. 1886 G, 523.
1889 M, 54 (Anostira).
Nopcsa, F. 1923 H, 33, 34, 36, 150.
1928 A, 167.
Versluys, J. 1922 C, 98.
Walther, W. G. 1922 A, 76, 81, 85, 90.

Williston, S. W. 1925 B, 226.
Zittel and Broili 1911 A, 256.
1923 A, 312.
Zittel, Eastman, etc. 1902 A, 201 (Anostira).

Anosteira ornata Leidy.

Hay, O. P. 1902 A, 447.
Gilmore, C. W. 1917 A, 121 (This species?).
Harrassowitz, H. 1922 A, 140, 152, 202, pl. i, figs. 3, 4.
Hay, O. P. 1905 G, 332.
1906 C, 157, text-figs. 2, 3.
1908 A, 279, pl. xliii, figs. 1, 2; text-figs. 352-354.
Lambe, L. M. 1908 A, 9, 17, pl. i, figs. 17-19.
Middle Eocene (Bridger); Wyoming: (Uinta?); Utah.

Anosteira radulina Cope.

Cope, E. D. 1872 UU, 1.
Hay, O. P. 1902 A, 447.
Harrassowitz, H. 1922 A, 141.
Hay, O. P. 1905 G, 332.
1908 A, 281.
Merrill, G. P. 1907 A, 63.
Middle Eocene (Bridger); Wyoming.

KINOSTERNIDÆ.

Agassiz, L. 1857 B, 418 (Cinosternoidæ).
Arldt, T. 1909 D, 654 ("kinosterniden").
Baur, G. 1891 E, 632 (Cinosternidæ).
1896 D, 314.
Boulenger, G. A. 1889 A, 33 (Cinosternidæ).
Brown, A. E. 1904 A, 468 (Cinosternidæ).
Cooper, C. F. 1922 C, 155 (Cinosternidæ).
Cope, E. D. 1882 E, 144 (Cinosternidæ).
Gilmore, C. W. 1923 A, 1.
Harrassowitz, H. 1922 A, 141 (Cinosternidæ).
Kingsley, J. S. 1925 A, 15 (Cinosternidæ).
Nopcsa, F. 1922 D, 155 (Cinosternidæ).
1923 E, 1045 (Cinosternidæ).
1923 F, 13, 18 (Cinosternidæ).
1923 H, 36, 39, 122, 168 (Cinosterninæ).
1926 A, 657 (Cinosternidæ).
1928 A, 166 (Cinosterninæ).
Siebenrock, F. 1902 A, 807-846 (Cinosternidæ).
1907 A (Cinosternidæ).
1909 A, 436, 438 (Cinosternidæ).
Woodward, A. S. 1888 O, 353 (Cinosternidæ).
Zittel and Broili 1923 A, 311 (Cinosternidæ).

KINOSTERNON Spix. Type *K. longicaudatum* = *K. scorpoides* = *Testudo tricarinata* Merrem.

Spix, J. B. 1824, Testud. Brazil, 17.
Agassiz, L. 1857 B, 423 (Goniochelys); 424 (Ozotheca); 426 (Cinosternum); 427 (Thyrosternum); 429 (Platythyra).
Gilmore, C. W. 1923 A, 1.
Gray, J. E. 1844, Cat. Tort., 32.
1855 A.
1873 D, 164, pl. v, fig. 6.
1873 E, 70.
Harassowitz, H. 1922 A, 200 (Cinosternum).
Le Conte, J. 1854 A, 180 (Kinosternum).
Nopcsa, F. 1923 F, 6 (Cinosternum).
1923 H, 34, 186, 187 (Cinosternum).
1926 A, 657 (Cinosternum).
Siebenrock, F. 1907 A (Cinosternum).
1909 A, 439 (Cinosternum).
Stannius, H. 1856 A, 7, 32 (Cinosternum).
Stejneger, L. 1902 A, 237.
1923 A, 3.
Zdansky, O. 1924 A, 102 (Cinosternon).

Kinosternon arizonense Gilmore.

Gilmore, C. W. 1923 A, 2, pls. i-v; text-figs. 1-7.
Hay, O. P. 1927 D, 136.
Nopcsa, F. 1926 A, 658, text-fig. 9 (Cinosternum).
Pleistocene (San Pedro Valley); Arizona.

EMYDIDÆ Gray.

Hay, O. P. 1902 A, 447.
Allis, E. P. 1919 A, 383 (Emys).
Arldt, T. 1907 D, 652.
1909 D, 654 ("emydiden").
1912 A, 712, 758.
Bender, O. 1911 A, 170 (Emys).
1913 A, 284 (Emys).
Blainville, H. M. D. 1835 A, 240 (Emyda).
Botez, I. G. 1921 A, 84 (Testudinidæ, in part).
Broom, R. 1924 B, 54, fig. 5 (Emys).
Brown, A. E. 1904 A, 467 (Emys).
Carus, V. 1875 A, 397.
Cuvier, G. 1825 A, v, 2, 227 ("émydes").
Dollo, L. 1889 B, 672 (Testudinidæ).
1903 A, 770 (Testudinidæ).
Filatoff, D. 1906 A, 628 (Emys).
1907 A, 289 (Emys).
Fraas, E. 1905 B, 364 (Emydæ).
Fuchs, H. 1907 C, 19 (Emys).
1907 D, 33 (Emys).
Fuchs, H. 1909 B, 152 ("emyden").
1909 D, 38, fig. 13 (Emys).
1913 A, 59 (Emys).
1913 B, 301 (Emys).
Gadow, H. 1901 B, 350 (Emys).
Gaupp, E. 1910 C, 412 (Emys).
1911 B, 109 (Emys).
Gegenbaur, C. 1863 A, 464 (Emys).
Gray, J. E. 1825 A, 210.
1855 A, 14.
1873 D, 165, 169.
Harkness, R. 1852 A, 250 ("emydian family").
Hasse, C. 1871 A, figs. (Emys).
Hay, O. P. 1905 A, 151.
1905 G, 332, 339.
1908 A, 2, 33, 284.
1928 A, 6.
Heilprin, A. 1887 A, 314, 315 (Emydæ).
Hoffmann, C. K. 1879 B, 63 (Emydæ).
Kehrer, F. A. 1896 A, 353 ("emyden").

Kingsley, J. S. 1925 A, 145.
Köstlin, O. 1844 A (Emys).
Kunkel, B. W. 1911 A, 356, figs. 1-3 (Emys).
1912 A, 693 (Emys).
Matthew, W. D. 1914 B, 387.
1915 A, 283.
1921 D, 214.
Meckel, J. F. 1825 A (Emys).
Mehnert, E. 1891 A, 131 (Emys).
Nopcsa, F. 1923 F (Emydidæ, Emydinæ).
1923 H, 31, 32, 34-36 ("emydiden"); 39 (Emychidæ).
1928 A, 167 (Emydinæ).
Owen, R. 1848 B, 201, pl. ii (Emys).
Paramore, R. H. 1910 A, 1397, figs. 7, 8 (Emys).
Pictet, F. J. 1853 A, 446.
Rabl, C. 1903 A, 185 ("emyden").
Rathke, H. 1846 A, 161, 163 (Emys).
Scharff, R. F. 1911 A, 134.
Sewertzoff, A. N. 1908 A, 149, 262, 309 (Emydæ).
Siebenrock, F. 1907 A, 536.
1909 A, 451 (Emydinæ).
Sieglbauer, F. 1911 A, 265 (Emys).
Smith, L. W. 1914 A, 549 (Emydæ).
Stannius, H. 1856 A (Emydea).
Stefano, G. 1917 A, 281, 286.
Stehli, G. 1910 A, 785 ("emyden").
Steiner, H. 1922 A, 335, fig. 12 (Emys).
Stejneger, L. 1907 C, 488 (Emydinæ).
Stejneger and Barbour 1917 A, 113 (Testudinidæ in part).
Tornier, G. 1913 B, 365.
Vaillant, L. 1877 A, 15 (Emys).
1877 C, 56 (Emys).
Versluys, J. 1919 A, 14.
Virchow, H. 1914 D, 321, fig. 2 (Emys).
1926 A, 216, fig. 3 (Emys).
Watson, D. M. S. 1916 A, 341 (Emys).
Williston, S. W. 1914 A, 226.
1925 B, 226.
Zittel and Broili 1911 A, 251.
1923 A, 306 (Emydinæ).
Zittel, Eastman, etc. 1902 A, 202.
Zuckerkandl, E. 1908 A, 497 (Emys).

GYREMYS Hay. Type *G. spectabilis* Hay.

Hay, O. P. 1908 A, 288.
Williston, S. W. 1925 B, 226.

Gyremys spectabilis Hay.

Hay, O. P. 1908 A, 288, pl. xliv, figs. 1, 2; text-figs. 357, 358.
Bowen, C. F. 1915 A, 126.
Upper Cretaceous (Judith River); Montana.

CLEMMYS Ritgen. Type *Testudo punctata Schoepff* = *T. guttata* Schneider.

Hay, O. P. 1902 A, 449.
Ammon, L. 1911 A, 27, figs.
Botez, I. G. 1921 A, 85.
Bronn, H. G. 1849 A, 694.
Carus, V. 1875 A, 397.
Fitzinger, L. 1836 A, 114.
Gadow, H. 1901 B, 356.
Gaupp, E. 1905 D, 1018, fig. 39.
1911 B, 109.
1913 A, 53.
Goette, A. 1899 A, 418, 419.
Hay, O. P. 1908 A, 287, 290.
1928 A, 8, pl. ii, fig. 2.
Klaauw, C. J. 1924 B, 592.
Osborn, H. F. 1909 D, 58.
Scharff, R. F. 1911 A, 132, 222.
Sewertzoff, A. N. 1908 A, 272.
Siebenrock, F. 1909 A, 479.
Stejneger, L. 1907 A, 492.
Williston, S. W. 1925 B, 226, 227.

Clemmys hesperia Hay.

Hay, O. P. 1903 E, 238, text-figs. 1-5.
1908 A, 292, pl. xlv, figs. 4-7; text-figs. 361-365.
Merriam, J. C. 1911 B, 230.
Osborn, H. F. 1909 D, 81.
Pliocene (Rattlesnake); Oregon.

Clemmys insculpta Le Conte.

Hay, O. P. 1902 A, 449.
Baker, F. C. 1920 A, 208, 213, 394.
Hay, O. P. 1908 A, 295.
1923 A, 312, 322.
Peterson, O. A. 1926 A, 253.
Scharff, R. F. 1911 A, 133.
Pleistocene (Early); Pennsylvania.

Clemmys morrisiæ Hay.

Hay, O. P. 1908 A, 290, pl. xlv, figs. 1-3; text-figs. 359-360.
Scharff, R. F. 1911 A, 133.
Middle Eocene (Bridger); Wyoming.

Clemmys? percrassa Cope.

Hay, O. P. 1902 A, 449.
Baker, F. C. 1920 A, 208, 213, 394.
Hay, O. P. 1908 A, 294.
1923 A, 312.
Schlosser, M. 1902 H, 143.
Pleistocene (Early); Pennsylvania.

Clemmys saxea Hay.

Hay, O. P. 1903 E, 241, text-fig. 6.
1908 A, 294, pl. xlv, figs. 8-10; text-fig. 366.
Merriam and Sinclair 1907 A, 196.
Middle Miocene (Mascall); Oregon.

Clemmys sp. indet.

Merriam, J. C. 1911 B, 205, 214, 233, fig. 2.
Middle Miocene (Virgin Valley); Nevada.

ECHMATEMYS Hay. Type *Emys septaria* Cope.

Hay, O. P. 1906 B, 27.
Gilmore, C. W. 1915 H, 123.
Hay, O. P. 1908 A, 287, 295, text-figs. 367-374 (E. sp. indet.).
Huene, F. 1910 C, 302 (Echmatemus).
Nopcsa, F. 1923 F, 15.
Sauvage, H. E. 1906 A, 150, 252 (Echinatemys).
Williston, S. W. 1925 B, 226.

Echmatemys ægle Hay.

Hay, O. P. 1908 A, 298, 431, text-figs. 436-441.
Middle Eocene (Bridger); Wyoming.

Echmatemys arethusa Hay.

Hay, O. P. 1908 A, 298, 323, pl. xlix, figs. 1, 2; text-figs. 421, 422.
Middle Eocene (Bridger); Wyoming.

Echmatemys callopyge Hay.

Hay, O. P. 1908 A, 298, 340, pl. lii, figs. 1, 2; text-figs. 447, 448.
Gilmore, C. W. 1915 H, 123, pl. xxi; text-figs. 9, 10.
Upper Eocene (Uinta); Utah.

Echmatemys cibollensis (Cope).

Hay, O. P. 1902 A, 447 (Emys).
Gilmore, C. W. 1915 H, 139.
1919 C, 129.
Hay, O. P. 1908 A, 298, 300, text-fig. 379.
Merrill, G. P. 1907 A, 70 (Emys).
Lower Eocene (Wasatch); New Mexico.

Echmatemys cyane Hay.

Hay, O. P. 1908 A, 298, 324, text-figs. 423-427.
Middle Eocene (Bridger); Wyoming.

Echmatemys depressa Gilmore.

Gilmore, C. W. 1915 H, 139, pl. xxiii, fig. 2; text-fig. 16.
Upper Eocene (Uinta); Utah.

Echmatemys douglassi Gilmore.

Gilmore, C. W. 1915 H, 128, pl. xxii; text-figs. 11, 12.
Upper Eocene (Uinta); Utah.

Echmatemys euthneta (Cope).

Hay, O. P. 1902 A, 447 (Emys).
Cope, E. D. 1874 B, 436, 437 (Emys).
Gilmore, C. W. 1915 H, 139.
1919 C, 129.
Hay, O. P. 1908 A, 298, 305, pl. xlvi, fig. 1; text-figs. 389-391.
Loomis, F. B. 1907 B, 358 (Emys).
Merrill, G. P. 1907 A, 70 (Emys).
Lower Eocene (Wasatch); Wyoming.

Echmatemys haydeni (Leidy).

Hay, O. P. 1902 A, 448 (Emys).
1908 A, 298, 313, pl. xlvii, fig. 2; text-figs. 404-410.
Merrill, G. P. 1907 A, 71.
Middle Eocene (Bridger); Wyoming.

Echmatemys hollandi Gilmore.

Gilmore, C. W. 1915 H, 133, pl. xxiii, fig. 1; text-fig. 13.
Upper Eocene (Uinta); Utah.

Echmatemys? latilabiata (Cope).

Cope, E. D. 1872 PP, 3 (Emys).
Hay, O. P. 1902 A, 448 (Emys).
1908 A, 298, 339
Merrill, G. P. 1907 A, 71 (Emys).
Middle Eocene (Bridger); Wyoming.

Echmatemys lativertebralis (Cope).

Hay, O. P. 1902 A, 448 (Emys)
1908 A, 298, text-figs. 375-378
Merrill, G. P. 1907 A, 71 (Emys).
Lower Eocene (Wasatch); New Mexico.

Echmatemys? megaulax (Cope).

Hay, O. P. 1902 A, 448 (Emys).
Cope, E. D. 1874 B, 436 (Emys megaulax, E. pachylomus).
Gilmore, C. W. 1915 H, 139, 141.
1919 C, 125-129, pl. xxxvi; text-figs. 6, 7.
Hay, O. P. 1908 A, 298, 301, pl. xlv, figs. 14, 15; text-figs. 380-383.
Merrill, G. P. 1907 A, 71 (Emys).
Lower Eocene (Wasatch); Wyoming.

Echmatemys naomi Hay.

Hay, O. P. 1908 A, 298, 335, pl. li, figs. 1, 2; text-figs. 442-444.
Middle Eocene (Bridger); Wyoming.

Echmatemys obscura Gilmore.

Gilmore, C. W. 1915 H, 135, pl. xxiv; text-figs. 14, 15.
Upper Eocene (Uinta); Utah.

Echmatemys ocyrrhoë Hay.

Hay, O. P. 1908 A, 298, 329, text-figs. 432, 435.
Middle Eocene (Bridger); Wyoming.

Echmatemys pusilla Hay.

Hay, O. P. 1908 A, 298, 337, text-figs. 445, 446.
Gilmore, C. W. 1915 H, 142, fig. 17. (This species?).
Leidy, J. 1873 B, 148 (Emys wyomingensis, juv.). juv.).
Middle Eocene (Bridger); Wyoming: (Uinta); Utah.

Echmatemys rivalis Hay.

Hay, O. P. 1908 D, 164, text-figs. 2, 3.
Lower Eocene (Wasatch?); Wyoming.

Echmatemys septaria (Cope).

Hay, O. P. 1902 A, 448 (Emys).
Gilmore, C. W. 1915 H, 123, 124.
Hay, O. P. 1906 B, 28, text-fig. 1.
1908 A, 298, 319, text-figs. 414-420.
Leidy, J. 1870 E, 5 (Emys stevensonianus, in part).
Merrill, G. P. 1907 A, 71 (Emys).
Middle Eocene (Bridger); Wyoming.

Echmatemys shaughnessiana (Cope).

Hay, O. P. 1902 A, 448 (Emys).
1908 A, 298, 327, pl. l, figs. 1, 2; text-figs. 428-431.
Middle Eocene (Bridger); Wyoming.

Echmatemys stevensoniana (Leidy).

Hay, O. P. 1902 A, 448 (Emys septaria, in part).
Hayden, F. V. 1871 A, 145 (Emys stevensonensis).
Merrill, G. P. 1907 A, 72 (Emys).
Hay, O. P. 1908 A, 298, 316, pl. xlviii, figs. 1, 2; text-figs. 411-413.
Middle Eocene (Bridger); Wyoming.

Echmatemys testudinea (Cope).

Hay, O. P. 1902 A, 448 (Emys).
Cope, E. D. 1874 B, 441 (Emys).
Gilmore, C. W. 1919 C, 129.
Hay, O. P. 1908 A, 298, 303, pl. xlv, figs. 16, 17; text-figs. 383-388.
Merrill, G. P. 1907 A, 72 (Emys); 74 (Notomorpha).
Lower Eocene (Wasatch); Wyoming.

Echmatemys uintensis Hay.

Hay, O. P. 1908 A, 298, 342, pl. liii, figs. 1, 2.
Gilmore, C. W. 1915 H, 127.
Upper Eocene (Uinta); Wyoming.

Echmatemys wyomingensis (Leidy).

Hay, O. P. 1902 A, 448 (Emys).
1904 A, 267, pl. xiv; text-figs. 3, 4 (Chrysemys).
1908 A, 298, 308, pl. xlvii, fig. 1; text-figs. 392-403.
Merrill, G. P. 1907 A, 71 (Emys jeanesi); 72 (E. wyomingensis).
Middle Eocene (Bridger); Wyoming.

PALÆOTHECA Cope. Type *P. polycypha* Cope.

Cope, E. D. 1872 NN, 4.
Hay, O. P. 1902 A, 447 (Emys, in part).
1908 A, 287, 343.
Nopcsa, F. 1928 A, 167 (Palæotheka).
Williston, S. W. 1925 B, 226.

Palæotheca polycypha Cope.

Cope, E. D. 1872 NN, 4.
Hay, O. P. 1902 A, 448 (Emys).
Gilmore, C. W. 1915 H, 139.
Hay, O. P. 1908 A, 343.
Merrill, G. P. 1907 A, 71 (Emys); 75 (Palæotheca).
Middle Eocene (Bridger); Wyoming.

Palæotheca terrestris Cope.

Cope, E. D. 1872 NN, 5.
Hay, O. P. 1902 A, 448 (Emys).
Cope, E. D. 1902 A, 448.
Gilmore, C. W. 1915 H, 139.
Hay, O. P. 1908 A, 344.
Merrill, G. P. 1907 A, 72 (Emys); 75 (Palæotheca).
Middle Eocene (Bridger); Wyoming.

HYBEMYS Leidy. Type *H. arenarius* Leidy.

Hay, O. P. 1902 A, 448.
1908 A, 287, 344.

Hybemys arenarius Leidy.

Hay, O. P. 1902 A, 448.
1908 A, 345.
Middle Eocene (Bridger); Wyoming.

CHRYSEMYS Gray. Type *Testudo picta* Schneider.

Gray, J. E. 1844, Cat. Tortoises, etc. Brit. Mus., 27.
Agassiz, L. 1857 B, 438.
Baur, G. 1896 E, 569.
Beer, G. R. 1926 A, 319.
Botez, I. G. 1921 A, 85.
Brown, A. E. 1904 A, 468.
Fuchs, H. 1907 B, 429.
Gadow, H. 1901 B, 346.
Gray, J. E. 1855 A, 32.
1873 F, 321, pl. xii, fig. 7.
Hay, O. P. 1905 A, 143.
1908 A, 288, 345.
Heilprin, A. 1887 A, 314.
Huene, F. 1920 D, 166.
Nopcsa, F. 1923 F, 12.
Scharff, R. F. 1911 A, 132.
Thäter, K. 1910 A, 490, figs. 24-35.
Sewertzoff, A. N. 1908 A, 272.
Shaner, R. F. 1926 A, 343, figs. 1-16.
Siebenrock, F. 1909 A, 459.
Smith, L. W. 1914 A, 549.
Stejneger and Barbour 1917 A, 118.
Williston, S. W. 1925 A, 103, 188, figs. 80, 154.
1925 B, 226, 227.

Chrysemys marginata bellii (Gray).

Gray, J. E. 1831, Syn. Rept., 31 (Emys bellii).
Boulenger, G. A. 1889 A, 74 (C. cinerea bellii).
Hay, O. P. 1923 B, 118, pl. ix, fig. 1 (C. belli).
Stejneger and Barbour 1917 A, 118.
See Boulenger for synonymy and literature.
Recent; Upper Michigan to Vancouver Island, on Great Plains to New Mexico and Mexico: Pleistocene; Texas.

Chrysemys timida Hay.

Hay, O. P. 1908 A, 345, pl. xlvi, fig. 2.
Pleistocene (Aftonian); Nebraska.

DEIROCHELYS Agassiz. Type *D. reticulata* (Daudin).

Agassiz, L. 1857 B, 441.
Hay, O. P. 1908 A, 288, 346.
Siebenrock, F. 1909 A, 485.
Stejneger and Barbour 1917 A, 121.
Williston, S. W. 1925 B, 227.

Deirochelys floridana Hay.

Hay, O. P. 1908 A, 346, pl. liv, figs. 1, 2; text-fig. 450.
1923 A, 379.
Pleistocene (Early); Florida.

TRACHEMYS Agassiz. Type *T. scripta* Schoepff.

Hay, O. P. 1902 A, 449.
Baur, G. 1892 D, 208, fig. 3.
1896 E, 569.
Gray, J. E. 1873 F, 321, pl. xii, fig. 8.
Hay, O. P. 1908 A, 288, 347.
Matthew, W. D. 1918 I, 662 (Graphemys).
1919 B, 170 (Chrysemys, Trachemys).
Sewertzoff, A. N. 1908 A, 262.
Williston, S. W. 1914 A, 221, figs. 115, 116.
1925 B, 227.

Trachemys bisornata (Cope).

Hay, O. P. 1902 A, 449.
1908 A, 353, pl. lvi, fig. 1.
1916 C, 67, 75, pl. vii, figs. 2-7.
1923 A, 384.
1924 D, 248.
Sellards, E. H. 1916 C, 145.
Pleistocene (Early); Texas, Florida.

Trachemys delicata Hay.

Hay, O. P. 1916 C, 66, pl. vii, fig. 1 (This genus?).
Pliocene?; Florida.

Trachemys euglypha (Leidy).

Hay, O. P. 1902 A, 447 (Emys).
1908 A, 350, pl. liv, fig. 3.
1916 C, 70, pl. iv, fig. 6 (This species?).
1923 A, 379, 381.
Matson and Clapp 1909 A, 136 (Emys).
Spencer, J. W. 1895 A, 137 (Emys).
Pleistocene (Peace Creek); Florida.

Trachemys hilli (Cope).

Hay, O. P. 1902 A, 449.
1908 A, 348, pl. lv, figs. 1, 2; text-figs. 451, 452.
Upper Miocene or Lower Pliocene (Republican River); Kansas.

Trachemys? jarmani Hay.

Hay, O. P. 1908 A, 351, pl. liv, figs. 10-12.
1923 A, 379.
Pleistocene (Early); Florida.

Trachemys? nuchocarinata Hay.

Hay, O. P. 1916 C, 70, pl. vi, fig. 5 (This genus?).
1917 E, 44, 47 (This genus?).
1923 A, 374, 382.
1927 D, 274.
Pleistocene (Early and Middle); Florida.

Trachemys petrolei (Leidy).

Hay, O. P. 1902 A, 448 (Emys).
1908 A, 352, pl. xlvi, figs. 3, 4.
1924 D, 242.
Pleistocene (Early); Texas.

Trachemys sculpta Hay.

Hay, O. P. 1908 A, 351, pl. liv, figs. 4-9.
1916 C, 68, 75, pl. vii, figs. 8-10.
1923 A, 497.
1927 D, 274.
Sellards, E. H. 1916 C, 145.
Pleistocene (Early); Florida.

Trachemys trulla Hay.

Hay, O. P. 1908 A, 355, pl. lvi, figs. 2-6; text-fig. 453.
1924 D, 242.
Pleistocene (Early); Texas.

Trachemys sp. indet.

Hay, O. P. 1923 A, 197. Pleistocene (Early); Florida.

PSEUDEMYS Gray. Type *Testudo concinna* Le Conte.

Gray, J. E. 1856, Proc. Zool. Soc. Lond., 1855 (1856), 197.
Baur, G. 1896 E, 569.
Boulenger, G. R. 1889 A, 69 (Chrysemys, part).
Foote, J. S. 1916 A, 58, pl. iv.
Gray, J. E. 1855 A, 34.
1873 F, 321, pl. xii, fig. 9.
Hay, O. P. 1908 A, 288, 356.
Heilprin, A. 1887 A, 314.
Stejneger and Barbour 1917 A, 119.
Williston, S. W. 1925 B, 227.

Pseudemys cælata Hay.

Hay, O. P. 1908 A, 356, pl. lvii, figs. 1-6; text-fig. 454.
1916 C, 64, pl. ii, figs. 1-7.
1923 A, 375, 379.
1927 D, 274.
Pleistocene (Early); Florida.

Pseudemys extincta Hay.

Hay, O. P. 1908 A, 356, pl. liv, fig. 13.
1923 A, 379.
Pleistocene (Early); Florida.

Pseudemys floridana persimilis Hay.

Hay, O. P. 1916 C, 71, 75, pl. v, figs. 6-8.
1917 E, 44.
1923 A, 382.
Sellards, E. H. 1916 C, 147, 148.
Pleistocene (Middle or Late); Florida.

Pseudemys sp. indet.

Hay, O. P. 1923 A, 363. Pleistocene; South Carolina.

GRAPTEMYS Agassiz. Type *Testudo geographica* Le Sueur.

Agassiz, L. 1857 B, 436.
Hay, O. P. 1908 A, 288, 358.
Stejneger and Barbour 1917 A, 117.
Williston, S. W. 1914 A, 218, figs. 111, 112.

Graptemys? inornata (Loomis).

Loomis, F. B. 1904 A, 429, figs. 10, 11 (Chrysemys).
Hay, O. P. 1908 A, 358, text-figs. 455, 456.
Lambe, L. M. 1905 D, 366 A (Chrysemys).
O'Harra, C. C. 1920 A, 160.
Oligocene (Titanotherium); South Dakota.

TERRAPENE Merrem. Type *Testudo carolina* Linnæus.

Hay, O. P. 1902 A, 449.
Adams, L. A. 1919 A, 89 (Cistudo).
Botez, I. G. 1921 A, 85 (Cistudo).
Boulenger, G. A. 1895 D, 330 (Cistudo).
Broom, R. 1922 A, 21.
Brown, A. E. 1904 A, 468.
Carus, V. 1875 A, 397.
Cooper, C. F. 1922 C, 157.
Durand, J. P. 1898 A, 294 ("cistude").
Fuchs, H. 1907 B, 461, pl. xx, fig. 10 (Cistudo).
1911 B, 394 (Cistudo).
1920 A, 368 (Cistudo).
Gadow, H. 1901 B, 361 (Cistudo).
1905 A, 210 (Cistudo).
Gilmore, C. W. 1927 E.
Gray, J. E. 1825 A, 211 (Terraphene).
1855 A, 39 (Cistudo).
1873 D, 163 ("box tortoises").
Hay, O. P. 1905 A, 149.
1908 A, 18, 288, 359.
1912 D, 553.
Heilprin, A. 1887 A, 313-315 (Cistudo).
Le Conte, J. 1854 A, 189.
Leunis and Ludwig 1883 A, 533.
Moodie, R. L. 1908 D, 445 (Cistudo).
Nopcsa, F. 1922 D, 157.
1923 F, 6, 18 (Terrapene, Cistudo).
1923 H, 36 (Terrapane).
Owen, R. 1848 B, 192 (Cistudo).
Perna, G. 1906 A, 136, pl. vii, fig. 26 (Cistudo).
Rabl, C. 1903 A, 170, pl. i, fig. 9 (Cistudo).
Rathke, H. 1846 A, 163 (Terapene).
Scharff, R. F. 1911 A, 134.
Shufeldt, R. 1921 A, 220.
Siebenrock, F. 1909 A, 489.
Stannius, H. 1856 A, 32, seq. (Cistudo).
Stejneger, L. 1902 A, 235, 236.
Stejneger and Barbour 1917 A, 115.
Vaillant, L. 1877 B, 36 (Cistudo).
1877 C, 57.
1881 A, 15, 103.
Wallace, A. R. 1876 A, II, 408.
Watson, D. M. S. 1914 H, 1012 (Cistudo).
Williston, S. W. 1925 A, 188, fig. 154 (Cistudo).
1925 B, 227 (Terrepene).
Zdansky, O. 1924 A, 110.
Zittel, Eastman, etc. 1902 A, 203 (Cistudo).

Terrapene bulverda Hay.

Hay, O. P. 1920 B, 133, pl. x, fig. 1; text-fig. 4.
1924 D, 247.
Pleistocene (Middle or Early); Texas.

Terrapene canaliculata Hay.

Hay, O. P. 1907 B, 850, figs. 5-7.
Gidley, J. W. 1927 E, 274.
Gilmore, C. W. 1927 E, 4, pls. ii-v; text-figs. 2-4.
Hay, O. P. 1908 A, 360, 363, text-figs. 463-465.
1916 C, 58, 75, pl. iv, figs. 4, 5; pl. v, figs. 1-5 (T. antipex); 61 (T. caniculata).
1917 B, 10 (T. antipex).
1917 E, 44 (T. antipex).
1923 A, 371 (T. canaliculata); 497 (T. antipex).
1927 D, 274 (T. antipex, T. canaliculata).
Sellards, E. H. 1916 C, 147 (T. antipex).
Pleistocene (Early); Georgia, Florida.

Terrapene carolina (Linnæus).

Linnæus, C. 1758 A, 198 (Testudo).
Hay, O. P. 1902 A, 449 (T. clausa).
Baker, F. C. 1920 A, 311, 341, 394.
Boulenger, G. A. 1895 D, 331 (Cistudo).
Fuchs, H. 1927 A, 324.
Gadow, H. 1901 B, 361 (Cistudo).
Gray, J. E. 1855 A, 39 (Cistudo).
Hay, O. P. 1902 C, 386.
1912 D, 553, text-fig. 1.
1923 A, 310, 311.
Leidy, J. 1889 H, 6 (Cistudo clausa).
Mercer, H. 1884 A, 98 ("box turtle").
Owen, R. 1848 B, 192 (Cistudo clausa).
Siebenrock, F. 1909 A, 492.
Stejneger and Barbour 1917 A, 115.
Vaillant, L. 1881 A, 15, pl. xxvi (T. carinata).
Zdansky, O. 1924 A, 111.
Recent; Maine to Georgia, west to Mississippi River: Pleistocene (Early); Pennsylvania: (Middle); Indiana: (Late); Pennsylvania.

Terrapene eurypygia (Cope).

Hay, O. P. 1902 A, 449 (T. eurypygia, T. anguillulata).

Baker, F. C. 1920 A, 208, 213, 394 (T. anguillulatus).
Cope, E. D. 1869 E, 178.
Hay, O. P. 1902 C, 385, figs. 6, 7.
1906 D, 169, pl. xl, fig. 2.
1908 A, 360, 364, text-figs. 466-470.
1916 C, 64.
1923 A, 312, 347.
Miller, B. L. 1912 A, 5 (Cistudo).
Vaillant, L. 1881 A, 15.
Pleistocene (Early or Middle); Maryland: (Early); Pennsylvania.

Terrapene formosa Hay.

Hay, O. P. 1916 C, 57, pl. iv, fig. 3.
Gilmore, C. W. 1927 E, 3.
Hay, O. P. 1923 A, 378.
Pleistocene (Early); Florida.

Terrapene impressa Hay.

Hay, O. P. 1924 D, 245, fig. 5.
Pleistocene (Early); Texas.

Terrapene innoxia Hay.

Hay, O. P. 1916 C, 61, 75, 76, pl. vi, figs. 1-4.
Chamberlin, R. T. 1916 A, 38.
Gilmore, C. W. 1927 E, 3.
Hay, O. P. 1916 E, 53.
1917 E, 44.
1923 A, 382.
Sellards, E. H. 1916 C, 145, 147.
Pleistocene (Early and Middle); Florida.

Terrapene longinsulæ Hay.

Hay, O. P. 1908 D, 166, pl. xxvi, figs. 1-3.
Lower Pliocene (Republican River); Kansas.

Terrapene marnochii (Cope).

Hay, O. P. 1902 A, 449.
Dumble, E. T. 1894 A, 564 (Cistudo).
Hay, O. P. 1908 A, 360, 362, pl. lviii, figs. 1, 2.
1917 B, 9.
Pleistocene (Early); Texas.

Terrapene putnami Hay.

Hay, O. P. 1906 B, 30, text-figs. 4-7.
Gilmore, C. W. 1927 E, 3.
Hay, O. P. 1908 A, 360, pl. lvi, figs. 7, 8; text-figs. 459-462.
1916 C, 61.
1923 A, 197, 379.
Sauvage, H. E. 1906 A, 150 (T. putmanni).
Scharff, R. F. 1911 A, 134.
Pleistocene (Early); Florida.

Terrapene singletoni Gilmore.

Gilmore, C. W. 1927 E, 1, pl. i; text-fig. 1.
Pleistocene (Early); Florida.

Terrapene whitneyi Hay.

Hay, O. P. 1917 B, pl. i, figs. 4, 5; pl. ii, fig. 1.
Bassler, R. S. 1919 A, 61.
Deussen, A. 1924 A, 116.
Hay, O. P. 1920 B, 133.
1923 B, 117.
1924 D, 245, 247.
1927 D, 284.
Pleistocene (Early or Middle); Texas.

Terrapene sp. indet.

Gidley, J. W. 1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1923 A, 353.
1927 D, 274. Pleistocene; Florida.
Matthew, W. D. 1925 A, 97. Pleistocene (Early); Florida.

TESTUDINIDÆ Gray.

Gray, J. E. 1825 A, 210.
Hay, O. P. 1902 A, 449.
Arldt, T. 1909 D, 654 ("testudiniden").
1912 A, 712, 758.
Bates, D. M. A. 1914 A, 100 ("land tortoises").
Blainville, H. M. D. 1835 A, 240 (Testudinea).
Bonaparte, C. L. 1831 A, 63.
Botez, I. G. 1921 A, 84.
Carus, V. 1875 A, 396 (Chersemydæ).
Dollo, L. 1889 B.
1903 A, 770 (Testudinidæ, including Emydidæ).
1903 C.
Frech, F. 1906 A, 494 ("landschildkröten").
Fuchs, H. 1907 B, 428.
1920 A, 367.
Gadow, H. 1901 B, 345.
Gray, J. E. 1855 A, 4.
Günther, A. C. 1898 A ("land tortoises").
Harrassowitz, H. 1922 A, 183 ("testudinatiden").
Hay, O. P. 1905 G, 333.
1908 A, 33, 367.
Hoffmann, C. K. 1879 B, 65 (Testudinei).
Jaekel, O. 1915 A, 104 ("testudiniden").
Koken, E. 1898 A, 141 ("schildkröten").
Lobley, J. L. 1908 A, 203, 208.
Lydekker, R. 1886 G, 521 ("chelonians").
1903 C, 54 ("land tortoises").
1910 A, 302 ("giant tortoises").
1912 C, 498 (Chelonia).
Mantell, G. A. 1844 A, 771 (Testudinata).
Matthew, W. D. 1914 B, 387.
1915 A, 283.
1921 D, 214.
Middleton, J. 1844 A, 286.
Nopcsa, F. 1923 F (Testudininæ, Emydidæ).
1923 H, 34, 39, 122, 166 (Testudininæ).
1928 A, 167 (Emydinæ, Testudininæ).
Osborn, H. F. 1909 D, 58.
Rabl, C. 1903 A, 160 ("testudiniden").
Siebenrock, F. 1907 A, 532.
1909 A, 508 (Testudinæ).
Stannius, H. 1856 A (Testudinea).
Stefano, G. 1917 A, 281, 286.
Stejneger, L. 1907 C, 488.
Stejneger and Barbour 1917 A, 113 (including Emydidæ).
Tornier, G. 1913 A, 336.
1913 B, 365.
Versluys, J. 1912 A, 491 ("schildkröten").

Wagner, R. 1843 A ("landschildkröten").
Wallace, A. R. 1876 A, II, 407.
Williston, S. W. 1914 A, 227.
1925 B, 227.
Zittel and Broili 1911 A, 252 (Testudininæ).
1923 A, 306 (Testudininæ).
Zittel, Eastman, etc. 1902 A, 202 (Testudinidæ); 203 (Testudinoidea).

HADRIANUS Cope. Type *H. octonarius* Cope.

Cope, E. D. 1872 OO, 3.
Hay, O. P. 1902 A, 450.
Gilmore, C. W. 1917 A, 143.
Harrassowitz, H. 1922 A, 183.
Hay, O. P. 1905 G, 341.
1908 A, 373.
Nopcsa, F. 1923 F, 13, 18.
Tornier, G. 1913 B, 365.
Wieland, G. R. 1923 A, 13.
Williston, S. W. 1925 B, 227.
Zittel and Broili 1911 A, 252.
1923 A, 306.
Zittel, Eastman, etc. 1902 A, 203.

Hadrianus corsoni (Leidy).

Hay, O. P. 1902 A, 450 (H. corsoni, H. octonarius).
Cope, E. D. 1872 M, 463 (Testudo hadriana).
1872 NN, 4 (Testudo hadriana).
1872 OO, 3 (H. octonaria, H. quadratus).
1872 PP, 3 (H. octonarius, H. quadratus).
Gilmore, C. W. 1915 H, 143, fig. 18; 145 (H. corsoni, H. octonarius).
Hay, O. P. 1904 A, 272.
1905 G, 333.
1908 A, 374, 376, pls. lx, lxi; text-figs. 473-479.
Leidy, J. 1873 B, 132, 339, pl. xi, figs. 1, 2; pl. xv, fig. 7; pl. xxix, figs. 2-4; pl. xxx, figs. 1-4 (Testudo; on pl. xi, Emys carteri).
Merrill, G. P. 1907 A, 72 (H. corsoni, H. octonarius).
Middle Eocene (Bridger); Wyoming: Upper (Uinta); Utah.

Hadrianus majusculus Hay.

Hay, O. P. 1904 A, 271, pl. xv; text-fig. 5.
Gilmore, C. W. 1915 H, 150.
Hay, O. P. 1905 G, 340.
1908 A, 374, pl. lix, fig. 1; text-fig. 472.
Lower Eocene (Wasatch); New Mexico.

Hadrianus robustus Gilmore.

Gilmore, C. W. 1915 H, 146, pl. xxv, fig. 2; text-fig. 19.
Upper Eocene (Uinta); Utah.

Hadrianus schucherti Hay.

Hay, O. P. 1902 A, 450.
1908 A, 374, 382, text-fig. 481.
Merrill, G. P. 1907 A, 73.
Sauvage, H. E. 1900 A, 5.
Eocene (Jackson); Alabama.

Hadrianus tumidus Hay.

Hay, O. P. 1908 A, 374, 380, text-fig. 480.
Gilmore, C. W. 1915 H, 148.
Upper Eocene (Uinta); Utah.

Hadrianus utahensis Gilmore.

Gilmore, C. W. 1915 H, 148, pl. xxvi, fig. 1; text-fig. 20.
Upper Eocene (Uinta); Utah.

Hadrianus sp. indet.

Merrill, G. P. 1907 A, 73. Lower Eocene (Wasatch); New Mexico.

ACHILEMYS Hay. Type *Hadrianus allabiatus* Cope.

Hay, O. P. 1908 A, 373, 383.
Williston, S. W. 1925 B, 227.
Zittel and Broili 1911 A, 252.
1923 A, 306.

Achilemys allabiata (Cope).

Cope, E. D. 1872 PP, 3 (Hadrianus).
Hay, O. P. 1902 A, 450 (Hadrianus).
1905 G, 333.
1908 A, 383, figs. 482, 485.
Merrill, G. P. 1907 A, 72 (Hadrianus).
Middle Eocene (Bridger); Wyoming.

BYSTRA Hay. Type *B. nanus* Hay.

Hay, O. P. 1916 C, 53.
Nopcsa, F. 1928 A, 167 (Bystira).

Bystra nanus Hay.

Hay, O. P. 1916 C, 53, pl. i.
Miocene, Pliocene or Lower Pleistocene (Dunnellon); Florida.

STYLEMYS Leidy. Type *S. nebrascensis* Leidy.

Hay, O. P. 1902 A, 450.
Dall and Harris 1892 A, 289.
Gilmore, C. W. 1915 H, 155.
Hay, O. P. 1908 A, 373, 385.
1912 E, 213.
Matthew, W. D. 1915 A, 280.
Oertel, W. 1924 A, 44.
Osborn, H. F. 1909 D, 58, 66.
Sinclair, W. J. 1903 B, 246.
Williston, S. W. 1925 B, 227.
Zittel and Broili 1911 A, 252.
1923 A, 306.
Zittel, Eastman, etc. 1902 A, 203.

Stylemys calaverensis Sinclair.

Sinclair, W. J. 1903 B, 244, figs. 1, 2.
Hay, O. P. 1908 A, 386, 396, text-figs. 502, 503.
Lindgren, W. 1911 A, 52.
Miocene? (Auriferous gravels); California.

Stylemys capax Hay.

Hay, O. P. 1908 A, 386, 392, pl. lxiii, figs. 1, 2; text-figs. 498, 499.
Upper Miocene (John Day); Oregon.

Stylemys conspecta Hay.

Hay, O. P. 1908 A, 386, 393, pl. lxiv, figs. 1, 2; text-figs. 500, 501.
Upper Oligocene (John Day); Oregon.

Stylemys nebrascensis Leidy.

Hay, O. P. 1902 A, 450.
Case, E. C. 1919 A, 435, figs. 1-5.
1920 C, 119.
1925 A, 87, figs. 1-7.
Darton, N. H. 1901 A, 543.
1905 A, 45.
Fraas, E. 1901 A, 211 ("Testudo").
Greene, G. K. 1881 A, 60 (Testudo oweni).
Hatcher, J. B. 1902 D, 127 ("land tortoises").
Hay, O. P. 1905 G, 342.
1906 A, 19, text-figs. 9-11.
1908 A, 386, pl. lix, figs. 2-4; pl. lxii, figs. 1, 2; text-figs. 486-497.
Hayden, F. V. 1871 A, 105 ("turtles").
Lambe, L. M. 1904 C, 27, 38, 47 (This turtle?).
Lambe, L. M. 1905 D, 366 A.
1908 A, 9, 18.
1913 B, 57, pls. vi, vii.
1914 H, 402.
Merrill, G. P. 1907 A, 78 (Testudo neb.); 71 (Emys hemispherica, T. neb.).
O'Harra, C. C. 1910 A, 119, pl. L, fig. 2; text-fig. 19.
1920 A, 140, 160, fig. 73.
Reinach, A. 1900 A, 18, 127 (Testudo neb., T. culbertsoni).
Sinclair, W. J. 1903 B, 247.
1923 A, 101, 133.
Sternberg, C. H. 1913 A, 46.
Van Straelen, V. 1928 A, 300.
Wanless, H. R. 1923 A, 219.
Wieland, G. R. 1923 A, 10.
Zittel and Broili 1911 A, 252, fig. 398.
1923 A, 307, fig. 419.
Oligocene (White River); South Dakota, Nebraska, Colorado, Wyoming.

Stylemys oregonensis Leidy.

Hay, O. P. 1902 A, 451.
McClung, C. E. 1906 A, 69 ("turtles").
Merriam and Sinclair 1907 A, 187.
Sinclair, W. J. 1903 B, 247.
Sternberg, C. H. 1881 A, 542 ("turtles").
Upper Oligocene (John Day); Oregon.

Stylemys sp. indet.

Merriam and Sinclair 1907 A, 188, 190, 192.
Oligocene (John Day); Oregon.

GOPHERUS Rafinesque. Type *Testudo polyphemus* Daudin.

Rafinesque, C. S. 1832, Atlantic Jour., I, 64.
Case, E. C. 1919 A, 435.
Foote, J. S. 1916 A, 59.
Stejneger and Barbour 1917 A, 121.

Gopherus atascosæ Hay.

Hay, O. P. 1902 C, 383, figs. 1-5 (Testudo).
1908 A, 398, 464, text-figs. 627, 628 (Testudo).
1916 C, 56.
1920 B, 134.
1924 D, 247, 248, 249 (Testudo, Gopherus).
Pleistocene (Early); Texas.

Gopherus polyphemus (Daudin).

Daudin, F. M. 1803, Hist. Nat. Rept., II, 256.
Abel, O. 1912 F, 254, fig. 185 (Testudo).
Agassiz, L. 1857 B, 447 (Xerobates).
Boulenger, G. A. 1889 A, 155 (Testudo).
Hay, O. P. 1916 C, 47, 55, 75, 76.
1917 E, 44.
1923 A, 382.
Holbrook, J. E. 1842, N. Amer. Herpet., 25, pl. i (Testudo).
Sellards, E. H. 1916 C, 147.
Shaler, N. S. 1888 A, 37 (G. carolinus).
Stejneger, L. 1893, N. Amer. Fauna, No. 7, 161.
Stejneger and Barbour 1917 A, 121.
Recent; South Carolina to Florida, west to southern Arkansas: Pleistocene (Middle?); Florida.

Gopherus præcedens Hay.

Hay, O. P. 1916 C, 55, 75, pl. iv, figs. 1, 2.
Gidley, J. W. 1927 E, 274.
Hay, O. P. 1923 A, 383.
1927 D, 274.
Sellards, E. H. 1916 C, 145.
Pleistocene (Early); Florida.

TESTUDO Linnæus. Type *T. græca* Linnæus.

Hay, O. P. 1902 A, 451.
Abel, O. 1912 F, 356, 703, fig. 184.
Andrews, C. W. 1896 B, 148.
1903 A.
1906 A, xxiv, fig. 277.
Arldt, T. 1907 D, 684.
Bates, D. M. A. 1914 A, 100.
Bender, O. 1911 A, 161.
1912 A, 3.
Beyer, H. 1907 A, 289, fig. 7.
Boas, J. E. V. 1914 C, 290, fig. 79.
Bojanus, L. H. 1819 A, 1362, pl. xvi, figs. 2, 3.
Bronn, H. G. 1848 B, 1259.
1849 A, 693.
Broom, R. 1921 A, 154, fig. 23.
Brown, A. E. 1904 A, 467.
Dollo, L. 1903 C.
Douglass, E. 1905 A, 211.
Fitzinger, L. 1836 A, 112.
Fraas, E. 1913 B, 17.

Frassetto, F. 1915 A, fig. 37.
Fries, C. 1924 A, 277.
Fuchs, H. 1907 B, 429, pl. xx, figs. 9, 9a.
1913 A, 59.
1920 A, 370.
1927 A, 313, fig. 5.
Gadow, H. 1896 A, 42.
1901 B, 365.
1905 B, 63, fig. 45.
Garman, S. 1917 A.
Gaupp, E. 1899 A, 1091.
1905 D, 1018.
1906 B, 788.
1908 B.
Gervais, P. 1852 A, 243.
1859 A, 408.
Gill, T. 1907 A, 492.
Gilmore, C. W. 1917 A, 154.
Gray, J. E. 1855 A, 4.
1873 D, 162, pl. iv.
Gregory and Camp 1918 A, 14.
Günther, A. C. 1898 A, 14.
Hasse, C. 1871 A, figs.
Hay, O. P. 1905 A, 149.
1908 A, 373, 397.
1926 E, 388.
1928 A, 7, 10.
Heilprin, A. 1887 A, 314, 315.
Hoffmann, C. K. 1879 B, 53.
Huene, F. 1920 D, 166.
Huxley, T. H. 1887 C, 236.
Jaekel, O. 1907 B, 63, fig. 45.
1915 A, 105, fig. 8.
1916 A, 41, 49, 58.
Kehrer, F. A. 1896 A, 354, figs. 20, 21.
Klaauw, C. J. 1924 B, 592.
Köstlin, O. 1844 A.
Le Conte, J. 1854 A, 188.
Leidy, J. 1877 A, 232 (Eupachemys, type E. obtusa Leidy).
Lorenz, L. E. F. 1807 A, 5.
Lull, R. S. 1924 A, 275.
Lydekker, R. 1903 C, 54, figs. 1, 2.
1907 E, 680.
1910 A, 302.
Matthew, W. D. 1915 A, 280.
1918 I, 662.
Meckel, J. F. 1825 A.
Moodie, R. L. 1908 D, 445.
Nopcsa, F. 1923 F.
1923 H, 12, 13, 30, 34, pl. i, fig. 5.
1926 A, 653.
Osborn, H. F. 1909 D, 58, 136.
Oswald, F. 1909 A, 125.
Owen, R. 1848 B, 99.
1866 A.
1868 A, 911.
Paramore, R. H. 1910 A, 1398, fig. 9.
Pictet, F. J. 1853 A, 443.
Plieninger, F. 1906 A, 406.
Proctor, J. B. 1922 A, 483.
Rabl, C. 1903 A, 170, pl. i, fig. 7.
Rathke, H. 1846 A, 161, 163.
Rice, E. L. 1920 A.
Rogers, A. F. 1924 A, 544 (Zerobates).
Safford, W. E. 1911 A, 751.
Scharff, R. F. 1911 A, 304, 329 ("giant tortoises").
1922 A, 69.
Schöne, G. 1902 A, 12, fig. 3.
Seeley, H. G. 1876 C, 174, 177, 181.
1886 A, 512.
Sewertzoff, A. N. 1908 A, 310.
Seydel, O. 1899 A, 487, figs. 16, 20.
Shufeldt, R. 1921 A, 220.
Shumard, B. F. 1863 A, 141.
Siebenrock, F. 1900 A, 441.
1906 A, 821.
1909 A, 515.
1919 A, 275.
Siegelbauer, F. 1909 A, 184.
Smith, L. W. 1914 A, 557.
Strecker, C. 1887 A, 303.
Stromer, E. 1906 A, 209, 212.
1916 A, 402.
Taschenberg, O. 1894 A, 3646.
Tornier, G. 1913 B, 365.
Vaillant, L. 1877 A, 14.
1877 C, 56.
1881 A, 25-27, 102, pl. xxvii.
1903 A, 705.
Virchow, H. 1919 A, 304, 315, fig. 5.
1926 A, 216, figs. 1, 2.
Wallace, A. R. 1876 A, II, 408.
Wiedersheim, R. 1892 A, 52.
Wieland, G. R. 1923 A, 10.
Williston, S. W. 1918 A, 78, 81, fig. 3.
1925 A, 138, 153, 180, figs. 109, 127, 146.
1925 B, 227.
Woodward, H. 1904 B, 143.
Zdansky, O. 1924 A, 92.
Zittel and Broili 1911 A, 252.
1923 A, 307.
Zittel, Eastman, etc. 1902 A, 203.
Zuckerkandl, E. 1908 A, 497.

Testudo amphithorax Cope.

Hay, O. P. 1902 A, 451.
Gilmore, C. W. 1915 H, 155.
Hay, O. P. 1908 A, 397, 407, text-figs. 526-531.
Lower Oligocene (Chadron); Colorado, Wyoming?.

Testudo annæ Hay.

Hay, O. P. 1923 B, 114, pl. viii, fig. 4.
Cahn, A. R. 1922 A, 23 (T. crassiscutata).
Hay, O. P. 1917 B, 11, pl. i, fig. 3; pl. ii, figs. 2-5; pl. iii, fig. 1 (T. crassiscutata?).
1924 D, 227, 241, 245.
Pleistocene (Aftonian); Texas.

Testudo arenivaga Hay.

Hay, O. P. 1906 A, 16, text-figs. 6-8.
Abel, O. 1926 B, 358.
Hay, O. P. 1908 A, 398, 430, text-figs. 563-565.
Loomis, F. B. 1909 A, 17, figs. 1-4.
O'Harra, C. C. 1920 A, 160.
Lower Miocene (Harrison); Nebraska.

Testudo brevisterna Loomis.

Loomis, F. B. 1909 A, 21, figs. 5-8.
Abel, O. 1926 B, 358.
Lower Miocene (Harrison); Wyoming.

Testudo brontops Marsh.

Hay, O. P. 1902 A, 451.
Gilmore, C. W. 1915 H, 154.
Hay, O. P. 1904 A, 272, text-figs. 6, 7.
1908 A, 397, 398, pl. lxv, figs. 1, 2; text-figs. 504, 505.
O'Harra, C. C. 1920 A, 160.
Osborn, H. F. 1909 D, 58.
Lower Oligocene (Chadron); South Dakota.

Testudo campester Hay.

Hay, O. P. 1908 A, 398, 455, text-figs. 610-613.
Gidley, J. W. 1903 C, 627.
Hay, O. P. 1924 D, 239.
Troxell, E. L. 1915 A, 616.
Pliocene (Blanco); Texas: Pleistocene?; Texas.

Testudo crassiscutata Leidy.

Hay, O. P. 1902 A, 451.
1908 A, 398, 459, text-figs. 616-622.
1916 C, 50.
1923 A, 497.
1923 B, 116.
Matson and Clapp 1909 A, 136.
Merrill, G. P. 1907 A, 77.
Sellards, E. H. 1916 A, 235.
Spencer, J. W. 1895 A, 137.
Pleistocene (Peace Creek); Florida.

Testudo cultrata Cope.

Hay, O. P. 1902 A, 451.
1908 A, 397, 411.
Lower Oligocene (Chadron); Colorado.

Testudo distans Hay.

Hay, O. P. 1916 C, 48, pl. iii, fig. 9.
1923 A, 378.
Pleistocene (Early); Florida.

Testudo edæ Hay.

Hay, O. P. 1906 A, 19, pls. vii, viii.
1908 A, 398, 450, pl. lxxxiii, figs. 1, 2.
Loomis, F. B. 1909 A, 17.
O'Harra, C. C. 1910 A, 119 (T. ediæ).
1920 A, 160.
Peterson, O. A. 1906 C, 56.
Lower Miocene (Upper Harrison); Nebraska.

Testudo emiliæ Hay.

Hay, O. P. 1908 A, 398, 419, pl. lxx, figs. 1, 2.
O'Harra, C. C. 1920 A, 160.
Lower Miocene (Rosebud); South Dakota.

Testudo equicomes Hay.

Hay, O. P. 1917 D, 40, pl. i, figs. 1-3; pl. iii, fig. 1.
1924 D, 270.
Pleistocene (Sheridan); Kansas.

Testudo exornata Lambe.

Lambe, L. M. 1906 A, 187, pl. iii, figs. 1-3.
Hay, O. P. 1908 A, 397, 401, pl. lxvi, figs. 6, 7; text-figs. 506-508.
Lambe, L. M. 1908 A, 9, 18, pl. i, figs. 20-22.
Oligocene (White River); Assiniboia.

Testudo farri Hay.

Hay, O. P. 1908 A, 398, 418, pl. lxix, figs. 1, 2; text-figs. 548, 549.
Middle Miocene (Deep River); Montana.

Testudo francisi Hay.

Hay, O. P. 1923 B, 116, pl. viii, figs. 4, 5.
1924 D, 162, 242, 243.
Pleistocene (Aftonian); Texas.

Testudo gilbertii Hay.

Hay, O. P. 1902 A, 451.
1908 A, 398, 449, pl. lxxx, figs. 2-5.
Matthew, W. D. 1924 C, 210 (T. gilberti).
Miocene (Republican River); Kansas.

Testudo hayi Sellards.

Sellards, E. H. 1916 A, 235, fig. 1.
Hay, O. P. 1916 C, 52.
1923 A, 380.
1923 B, 116.
Sellards, E. H. 1915 D, 70, 73, 75, figs. 7, 9 ("land tortoise").
Pliocene? (Bone Valley); Florida.

Testudo hexagonata Cope.

Hay, O. P. 1902 A, 451.
Dumble, E. T. 1894 A, 564.
Gidley, J. W. 1903 C, 623.
Hay, O. P. 1908 A, 398, 463, text-figs. 625, 626.
1924 D, 239.
Montgomery, T. H. 1904 A, 57.
Pleistocene (Sheridan); Texas.

Testudo hollandi Hay.

Hay, O. P. 1906 A, 18, pls. v, vi.
Douglass, E. 1907 A, 809.
Hay, O. P. 1908 A, 398, 451, pl. lxxxiv, figs. 1, 2.
Loomis, F. B. 1909 A, 17.
O'Harra, C. C. 1920 A, 160.
Peterson, O. A. 1906 C, 56.
Lower Miocene (Upper Harrison); Nebraska.

Testudo impensa Hay.

Hay, O. P. 1908 A, 398, 431, pls. lxxvi, lxxvii; text-figs. 566-572.
Loomis, F. B. 1927 A, 438.
Merriam, J. C. 1919 A, 461.
Upper Miocene (Arikaree); Montana.

Testudo incisa Hay.

Hay, O. P. 1916 C, 46, pl. iii, figs. 5-8.
1923 A, 378.
Pleistocene (Early); Florida.

Testudo inusitata Hay.

Hay, O. P. 1906 A, 18, pls. iii, iv.
1908 A, 398, 417, pl. lxviii, figs. 1, 2.
Middle Miocene (Deep River); Montana.

Testudo klettiana Cope.

Hay, O. P. 1902 A, 451.
1908 A, 398, 436, text-figs. 574.
Merriam, J. C. 1919 A, 461.
Merrill, G. P. 1907 A, 78.
Upper Miocene (Santa Fe?); New Mexico.

Testudo laticaudata Cope.

Hay, O. P. 1902 A, 451.
Dumble, E. T. 1894 A, 564.
Gidley, J. W. 1903 C, 623.
Hay, O. P. 1908 A, 398, 462, text-figs. 623-624.
1924 D, 239.
Montgomery, T. H. 1904 A, 57.
Pleistocene (Sheridan); Texas.

Testudo laticunea Cope.

Hay, O. P. 1902 A, 451.
Cope, E. D. 1891 N, 40, fig. 18.
Hay, O. P. 1908 A, 397, 402, pl. lxvii, figs. 1, 2; text-figs. 509-515.
Sternberg, C. H. 1913 A, 46.
Toula, F. 1896 A, 918.
Lower Oligocene (Chadron); Colorado.

Testudo ligonia Cope.

Hay, O. P. 1902 A, 451.
1908 A, 397, 405, text-figs. 516-525.
Lower Oligocene (Chadron); Colorado.

Testudo luciæ Hay.

Hay, O. P. 1916 C, 52, 75, pl. ix, fig. 5.
1923 A, 383.
1923 B, 116.
Loomis, F. B. 1927 A, 435.
Sellards, E. H. 1916 C, 145.
Pleistocene (Early); Florida.

Testudo mohavensis Merriam, J. C.

Merriam, J. C. 1919 A, 450, 456, 527, 533, figs. 4-6.
Upper Miocene (Barstow); California.

Testudo munda Hay.

Hay, O. P. 1920 B, 86, pl. iii, figs. 1-3.
1923 A, 395.
Pleistocene (Middle); Tennessee.

Testudo niobrarensis Leidy.

Hay, O. P. 1902 A, 450 (Stylemys).
Cope, E. D. 1874 B, 532 (Stylemys).
Hay, O. P. 1908 A, 398, 437, text-figs. 575-578.
Leidy, J. 1873 B, 225, 340, pl. iii, figs. 4-6; pl. xix, figs. 6, 8.
Merrill, G. P. 1907 A, 78.
O'Harra, C. C. 1920 A, 160.
Pleistocene (Sheridan); Nebraska.

Testudo obtusa Leidy.

Hay, O. P. 1902 A, 448 (Eupachemys).
1908 A, 398, 458, text-figs. 614, 615.
1923 A, 381, 384.
Matson and Clapp 1909 A, 136 (Eupachemys sp.).
Tertiary or Pleistocene; South Carolina.

Testudo ocalana Hay.

Hay, O. P. 1916 C, 45, pl. iii, figs. 1-4; pl. ix, figs. 1-3.
1923 A, 378, 379.
Pleistocene (Early); Florida.

Testudo orthopygia (Cope).

Hay, O. P. 1902 A, 451 (T. orthopygia, T. cyclopygia, T. snoviana).
Barbour, E. H. 1914 B, 189.
1914 C, 221.
1915 A, 92.
1915 C, 335, figs. 1, 2.
Barbour and Cook 1917 A, 172.
Hay, O. P. 1908 A, 398, 438, pl. xix, figs. 6, 7; pls. lxxviii-lxxx, lxxxi, lxxxii; text-figs. 579-606, 607?, 608?.
Matthew, W. D. 1902 D, 295 (Caryoderma snoviana).
1924 C, 68, 210 (This species?).
Scharff, R. F. 1909 A, 515 (Caryoderma).
Sternberg, C. H. 1906 A, 72 T (Xerobates).
1909 C, 122, 138, 269, fig. 22.
Upper Miocene and Lower Pliocene (Republican River); Kansas: (Snake Creek); Nebraska.

Testudo orthopygia angusticeps Matthew.

Matthew, W. D. 1924 C, 68, 210.
Middle Miocene (Sheep Creek); Nebraska.

Testudo osborniana Hay.

Hay, O. P. 1904 C, 503.
1908 A, 398, 422, pls. lxxii-lxxv; text-figs. 552-562.
Huene, F. 1920 D, 166.
Loomis, F. B. 1927 A, 439.
Matthew, W. D. 1924 C, 210.
Safford, W. E. 1911 A, 751.
Upper Miocene (Pawnee Creek); Colorado.

Testudo pansa Hay.

Hay, O. P. 1908 A, 398, 420, pl. lxxi, figs. 1, 2; text-figs. 550, 551.
Merriam, J. C. 1919 A, 461.
Upper Miocene (Pawnee Creek); Colorado.

Testudo peragrans Hay.

Hay, O. P. 1906 A, 15, text-figs. 1-5.
1908 A, 398, 412, text-figs. 534-538.
Tertiary (Oligocene or Miocene); Montana.

Testudo pertenuis Cope.

Hay, O. P. 1902 A, 451.
Dumble, E. T. 1894 A, 559.
Gidley, J. W. 1903 C, 627.
Hay, O. P. 1908 A, 398, 454, text-fig. 609.
Matthew, W. D. 1918 I, 662.
Montgomery, T. H. 1904 A, 57.
Pliocene (Blanco); Texas.

Testudo præextans Lambe.

Lambe, L. M. 1913 B, 61, pls. iv, v.
Lydekker, R. 1914 A, 644.
Oligocene (Chadron or Brule); Wyoming.

Testudo quadrata Cope.

Hay, O. P. 1902 A, 451.
1908 A, 397, 410, text-figs. 532, 533.
Seeley, H. G. 1886 A, 512.
Lower Oligocene (Chadron); Colorado.

Testudo sellardsi Hay.

Hay, O. P. 1916 C, 49, 50, 75, pl. viii, figs. 6-8.
1917 B, 13.
1923 A, 382.
1923 B, 116.
1927 C, 282 ("tortoises").
Loomis, F. B. 1927 A, 435, figs. 1, 2.
Sellards, E. H. 1916 C, 145.
Pleistocene (Early); Florida.

Testudo snoviana (Cope).

Hay, O. P. 1902 A, 451.
Böse, E. 1905 A, 67, 68 ("Caryoderma").
Gregory, J. W. 1895 A, 304 ("Caryoderma").
Miocene?; Kansas.

Testudo thomsoni Hay.

Hay, O. P. 1908 A, 397, 400, pl. lxvi, figs. 1-5.
Lambe, L. M. 1913 B, 57.
Matthew, W. D. 1924 C, 210.
O'Harra, C. C. 1920 A, 160.
Lower Oligocene (Chadron); S. Dakota.

Testudo turgida Cope.

Hay, O. P. 1902 A, 452.
Dumble, E. T. 1894 A, 559.
Gidley, J. W. 1903 C, 627.
Hay, O. P. 1908 A, 398, 453.
Montgomery, T. H. 1904 A, 57.
Pliocene (Blanco); Texas.

Testudo uintensis Gilmore.

Gilmore, C. W. 1915 H, 150, pl. xxvii; text-figs. 21, 22.
Upper Eocene (Uinta); Utah.

Testudo undabuna Loomis.

Loomis, F. B. 1909 A, 25, fig. 9.
Abel, O. 1926 B, 358 (T. unabuna).
Lower Miocene (Harrison); Wyoming.

Testudo undata Cope.

Hay, O. P. 1902 A, 452.
Dames, W. 1899 A, 365.
Hay, O. P. 1908 A, 398, 435, text-fig. 573.
Merriam, J. C. 1919 A, 461.
Merrill, G. P. 1907 A, 78.
Upper Miocene (Santa Fe); New Mexico.

Testudo vaga Hay.

Hay, O. P. 1908 A, 398, 414, pl. xix, fig. 5; text-figs. 539-547.
Middle Miocene (Deep River); Wyoming.

Testudo sp. indet.

Cooper, J. G. 1875 A, 390 (This genus?). Pliocene? California.
Deussen, A. 1924 A, 97 (This genus?). Miocene (Oakville); Texas.
Frick, C. 1921 A, 334, figs. 42, 44. Pliocene (San Timoteo); California.
1923 A, 40.
Gidley, J. W. 1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1902 A, 452. Pleistocene (Peace Creek); Florida.
1924 D, 384. Pleistocene; Texas.
1926 C, 1. Pleistocene (Early); Texas.
1927 D, 313. Pleistocene; California, Florida, Texas.
Matthew, W. D. 1915 L, 472. Miocene (Fleming); Texas.
Merriam, J. C. 1917 A, 425, 430, 437. Pliocene (Etchegoin); California: (Ricardo); California: Pliocene (Snake Creek); Nebraska.
Merriam and Buwalda 1917 A, 258 (Oregon, in Ellensburg formation).
Sinclair, W. J. 1915 A, 77 ("land tortoise"). Pliocene (Snake Creek); Nebraska.
Spencer, J. W. 1895 A, 137 (Eupachemys sp.). Pleistocene (Peace River); Florida.

Superfamily TRIONYCHOIDÆ Stannius.

Stannius, H. 1854 A, 8 (As a family).
Hay, O. P. 1902 A, 452 (Trionychia).
Abel, O. 1919 A, 414.
1920 A, 367 (Trionychoidea).
Arldt, T. 1907 D, 146, 331 (Trionychia).
Baur, G. 1891 E, 633 (Trionychia).
Bonaparte, C. L. 1833 B, 1183 (Trionycidæ).
Cope, E. D. 1891 N, 39 (Trionychoidea).
Cuvier, G. 1825 A, v, 2, 221 (Trionyx).
Dollo, L. 1886 B, 131.
1889 B, 669, 676.
1913 A, 50 ("trionychoides").
Fuchs, H. 1907 B, 435.
1908 C, 155 ("trionychoiden").
Gadow, H. 1901 B, 404.
Harrassowitz, H. 1922 A, 142, 211, 217, 221, 222 (Trionychoidea).
Hay, O. P. 1905 A, 162.
1905 G, 333, 338.
1908 A, 10, 17, 43, 465.
1928 A, 6 (Trionychoidea).
Jaekel, O. 1902 B, 136 (Trionychida).
1911 A, 186 (Trionychii).
Lydekker, R. 1912 C, 28.
Mantell, G. A. 1844 A, 766 (Trionyces).
Nopcsa, F. 1923 H, 33, 34, 35, 36, 122, 150, 166, 172 (Trionychidæ, Trionychinæ).
Ogushi, K. 1911 A, 2.
Oswald, F. 1911 A, 410.
Rabl, C. 1903 A ("trionychiden").
Reynolds, S. H. 1897 A, 194 (Trionychia).
Siebenrock, F. 1909 A, 586.
Stehli, G. 1910 A, 787 (Trionychia).
Steinmann, G. 1907 A, 435.
Stejneger, L. 1907 C, 513 (Chilotæ).
Tornier, G. 1913 B, 366 (Trionychia).
Vaillant, L. 1877 C, 55 (Trionychida).
1881 A, 99 (Trionychida).
Walther, W. G. 1922 A, 85, 86 (Trionychoidea).
Williston, S. W. 1908 G, 804.
1914 A, 16, 45, 222, 244.
1925 A, 198.
1925 B, 210, 223, 227 (Trionychoidea).
Woodward, A. S. 1898 B, 176 (Trionychia).
Zdansky, O. 1924 A, 91 (Trionychoidea).
Zittel and Broili 1911 A, 311.
1923 A, 311.
Zittel, Eastman, etc. 1902 A, 195.

PLASTOMENIDÆ Hay.

Hay, O. P. 1902 A, 452.
Arldt, T. 1912 A, 712.
Haeckel, E. 1895 A, 322 (Plastomenida).
Harrassowitz, H. 1922 A, 142.
Hay, O. P. 1905 G, 333.
1908 A, 11, 466.
Matthew, W. D. 1921 D, 211, 214.
Teppner, W. 1914 A, 637.
Walther, W. G. 1922 A, 85, 86, 87.
Williston, S. W. 1925 B, 227.
Zittel and Broili 1923 A, 312.

PLASTOMENUS Cope. Type *P. thomasii* Cope.

Hay, O. P. 1902 A, 452.
Gilmore, C. W. 1916 C, 646.
1920 A, 52.
Hay, O. P. 1903 H, 350.
1905 G, 334.
1906 C, 156.
1908 A, 466.
Hummel, K. 1927 A, 94.
Lambe, L. M. 1899 A, 185.
Nopcsa, F. 1923 H, 150.
1928 A, 167.
Osborn, H. F. 1902 I, 16.
Peale, A. C. 1876 A, 154.
Whiteaves, J. F. 1901 A, 185.
Williston, S. W. 1925 B, 227.

Plastomenus acupictus Hay.

Hay, O. P. 1907 B, 852, pl. liv, figs. 1-3; text-fig. 8.
Gardner, J. H. 1910 A, 731.
Gilmore, C. W. 1920 A, 10.
Hay, O. P. 1908 A, 467, 470, text-fig. 629.
Hummel, K. 1927 A, 72.
Reeside, J. B. 1924 A, 42.
Paleocene (Torrejon); New Mexico.

Plastomenus catenatus Cope.

Hay, O. P. 1902 A, 453 (P. thomasi, in part).
1908 A, 467, 470, pl. lxxxvi, fig. 1.
Lower Eocene (Wasatch); New Mexico.

Plastomenus communis Cope.

Hay, O. P. 1902 A, 452.
Gardner, J. H. 1910 A, 731.
Hay, O. P. 1908 A, 467, 473, pl. lxxxvi, figs. 6-8.
Loomis, F. B. 1907 B, 358.
Merrill, G. P. 1907 A, 75.
Lower Eocene (Wasatch); New Mexico.

Plastomenus corrugatus Cope.

Hay, O. P. 1902 A, 452.
1908 A, 467, 473, pl. lxxxvi, fig. 5.
Loomis, F. B. 1907 B, 358.
Lower Eocene (Wasatch); New Mexico.

Plastomenus costatus Cope.

Hay, O. P. 1902 A, 452.
Bowen, C. F. 1915 A, 126.
Hatcher, J. B. 1905 B, 74.
Hay, O. P. 1903 D, 119.
1908 A, 467, pl. lxxxv, figs. 1, 2.
Knowlton, F. H. 1911 C, 55, 63.
Lambe, L. M. 1904 C, 22, 37, 47.
1906 A, 195.
Osborn, H. F. 1902 I, 12, 16.
Upper Cretaceous (Belly River); Assiniboia: (Hell Creek); Montana.

Plastomenus? fractus Cope.

Hay, O. P. 1902 A, 452.
1908 A, 467, 472, pl. lxxxvi, fig. 4.
Loomis, F. B. 1907 B, 358.
Lower Eocene (Wasatch); New Mexico.

Plastomenus insignis Cope.

Hay, O. P. 1902 A, 452.
Bowen, C. F. 1915 A, 126.
Cope, E. D. 1874 B, 433, 454.
Hatcher, J. B. 1905 B, 75.
Hay, O. P. 1908 A, 467, 469.
Knowlton, F. H. 1911 C, 56, 62.
Osborn, H. F. 1902 I, 12.
Upper Cretaceous (Arapahoe?); Colorado.

Plastomenus? lachrymalis Cope.

Hay, O. P. 1902 A, 452.
1908 A, 467, 472, pl. lxxxvi, fig. 3.
Hummel, K. 1927 A, 72.
Lower Eocene (Wasatch); New Mexico.

Plastomenus? leptomitus (Cope).

Hay, O. P. 1902 A, 454 (Trionyx).
1908 A, 467, 470, pl. lxxxvi, fig. 2; text-fig. 630.
Loomis, F. B. 1907 B, 358 (Trionyx).
Merrill, G. P. 1907 A, 80 (Trionyx).
Lower Eocene (Wasatch); New Mexico.

Plastomenus molopinus Cope.

Cope, E. D. 1872 NN, 2 (Anostira).
Hay, O. P. 1902 A, 452.
1908 A, 467, 481, pl. lxxxv, fig. 3; text-fig. 642.
Hummel, K. 1927 A, 72.
Middle Eocene (Bridger); Wyoming.

Plastomenus œdemius Cope.

Cope, E. D. 1872 NN, 2 (Anostira).
Hay, O. P. 1902 A, 453.
Harrassowitz, H. 1922 A, pl. ii, fig. 6 (P. œdemicus).
Hay, O. P. 1905 G, 334.
1908 A, 467, 479, figs. 640, 641.
Hummel, K. 1927 A, 72.
Middle Eocene (Bridger); Wyoming.

Plastomenus? punctulatus Cope.

Hay, O. P. 1902 A, 453.
Bowen, C. F. 1915 A, 126.
Hatcher, J. B. 1905 B, 74.
Hay, O. P. 1908 A, 467, 468.
Knowlton, F. H. 1911 C, 56, 62.
Osborn, H. F. 1902 I, 12, 16.
Upper Cretaceous (Arapahoe); Colorado: (Lance?); North Dakota?

Plastomenus robustus Gilmore.

Gilmore, C. W. 1920 A, 8, 10, 53, pl. xvii, fig. 1; text-figs. 23, 24.
Reeside, J. B. 1924 A, 23.
Upper Cretaceous (Kirtland); New Mexico.

Plastomenus tantillus Hay.

Hay, O. P. 1908 A, 467, 478, text-figs. 638, 639.
Middle Eocene (Bridger); Wyoming.

Plastomenus thomasii Cope.

Cope, E. D. 1872 NN, 3 (Trionyx).
Hay, O. P. 1902 A, 453.
1905 G, 334, fig.
1908 A, 467, 474, text-figs. 631-635.
Hummel, K. 1927 A, 18.
Merrill, G. P. 1907 A, 75 (P. multifoveatus).
Middle Eocene (Bridger); Wyoming, New Mexico.

Plastomenus torrejonensis Gilmore.

Gilmore, C. W. 1920 A, 10, 55, pl. xix, fig. 2; text-fig. 25.
Paleocene (Torrejon); New Mexico.

Plastomenus visendus Hay.

Hay, O. P. 1908 A, 467, 476, pl. lxxxvii, figs. 1, 2; text-figs. 606, 637.
Hummel, K. 1927 A, 73.
Middle Eocene (Bridger); Wyoming.

Plastomenus sp. indet.

Gilmore, C. W. 1916 D, 299, pl. lxxvii, fig. 1.
Upper Cretaceous (Puerco); New Mexico.
Reeside, J. B. 1924 A, 38. Upper Cretaceous (Puerco); New Mexico.

TRIONYCHIDÆ Bonaparte.

Bonaparte, C. L. 1838 A, 136.
Hay, O. P. 1902 A, 453 (Trionychidæ, Trionyx).
Abel, O. 1907 A, 226 ("trionychiden").
1912 F, 221, 705 ("trionychiden").
1928 A, 373 ("trionychiden").
Ammon, L. 1911 A, 10.
Arldt, T. 1907 D, 686.
1909 D, 654 ("trionychier").
1912 A, 712.
Baur, G. 1891 E, 636.
Blainville, H. M. D. 1835 A, 241 (Amyda).
Bluntschli, H. 1912 B, 386 ("trionychiden").
Bonaparte, C. L. 1831 A, 63 (Trionycidæ).
Bronn, H. G. 1849 A, 780, seq.
Broom, R. 1922 A, 21 (Trionyx).
Carus, V. 1875 A, 399.
Dollo, L. 1889 B, 676.
1903 A.
1903 C.
Fraas, E. 1903 A, 96.
1905 B, 364.
Fuchs, H. 1909 B, 144, fig. 21 (Trionyx).
1920 A, 361.
1920 B, 29.
Gaupp, E. 1905 D, 1020.
1906 B, 791.
1911 C, 449.
1913 A, 95.
Geoffroy St. Hillaire, E. F. 1832 A, 352 ("trionyx").
Gray, J. E. 1825 A, 212 (Trionicidæ).
1855 A, 62 (Trionycidæ).
1873 D, 167, 170.
Harkness, R. 1852 A, 253 (Trionycideæ).
Harrassowitz, H. 1919 A, 153 ("trionychiden").
1922 A, 141, 142, 210, 212.
1922 B, 93 ("trionychiden").
Hatcher, J. B. 1902 D, 124.
Hay, O. P. 1903 C, 268.
1904 B, 254.
1905 G, 333.
1908 A, 11, 17, 35, 483.
1928 A, 5.
Heilprin, A. 1887 A, 314.
Hoernes, R. 1886 A, 588 (Trionyx).
Hoffmann, C. K. 1879 B, 61 (Trionycidæ).
Hummel, K. 1927 A, 6 ("trionychiden").
Jaekel, O. 1905 C, 142, figs. 11, 12 (Trionyx).
1907 B, 59, fig. 42 ("trionychiden").
1916 A, 207 (Trionychii).
Kesteven, H. 1916 A, 305 (Trionyx).
1919 A, 234, fig. 13 (Trionyx).
Kingsley, J. S. 1925 A, 15, 148, 149, figs. 13, 27, 157, 158.
Köstlin, O. 1844 A (Trionyx).
Lane, H. H. 1910 B, 345.
Leunis and Ludwig 1883 A, 536.
Lobley, J. L. 1908 A, 203, 208.
Lydekker, R. 1886 G, 523.
1912 C, 34, 109, 125.
Matthew, W. D. 1914 B, 387.
1915 A, 284.
1921 D, 211, 214.
Meckel, J. F. 1825 A (Trionyx).
Newman, H. H. 1906 A, 74.
Nopcsa, F. 1923 F.
1923 H, 39, 122.
1926 A, 654.
1928 A, 167 (Trionychinæ).
Ogushi, K. 1911 A, 1 ("trionychoiden").
1913 A, 299 ("trionichiden").
Owen, R. 1842 F, 72 (Trionyces).
1868 A, 912 (Trionyx).
Palacký, J. 1894 A, 133 ("trionyciden").
Peters, W. 1869 A, 7 (Trionychides).
Pictet, F. J. 1853 A, 455.
Rabl, C. 1903 A, 165 ("trionychiden"); 170, pl. i, fig. 6 (Trionyx).
Schmidt, W. J. 1920 A, 10-20 ("trionychiden").
Sewertzoff, A. N. 1908 A, 273, 309.
Siebenrock, F. 1902 A, 807 (Trionychidæ); 815 (Trionyx).
1906 A, 827 (Trionyx).
1909 A, 589.
1923 A, 180.
Siegelbauer, F. 1909 A, 185.
Stehli, G. 1910 A, 783 ("trionyciden").
Stejneger, L. 1905 A, 228.
1907 A, 514.
Stromer, E. 1916 A, 402, 413.
Taschenberg, O. 1894 A, 3647.
Teppner, W. 1914 A, 628 ("trionyciden").

Tornier, G. 1913 A, 336.
Vaillant, L. 1877 A, 14 (Trionyx).
1881 A, 53 ("potamites," Trionyx).
Versluys, J. 1914 B, 335.
1919 A, 15, fig. 13 (Trionyx).
Wagner, R. 1843 A (Trionyx).
Waite, E. R. 1905 A, 116.
Wallace, A. R. 1876 A, II, 409.
Walther, W. G. 1922 A, 83, 86, 88.
Watson, D. M. S. 1914 H, 1012 (Trionyx).
Wieland, G. R. 1902 A, 103 (Trionyx).
Williston, S. W. 1914 A, 245, fig. 129 (Trionyx).
1925 B, 227.
Woodward, A. S. 1888 O, 353.
Zdansky, O. 1924 A, 104.
Zittel and Broili 1911 A, 257 (Trionychiidæ).
1923 A, 312 (Trionychiidæ).
Zittel, Eastman, etc. 1902 A, 196.

HELOPANOPLIA Hay. Type *H. distincta* Hay.

Hay, O. P. 1908 A, 483, 485.
1910 B, 294.
Nopcsa, F. 1928 A, 167.
Teppner, W. 1914 A, 638.
Williston, S. W. 1925 B, 227.

Helopanoplia distincta Hay.

Hay, O. P. 1908 A, 485, pl. lxxxviii, figs. 4, 5.
Bowen, C. F. 1915 A, 126.
Brown, B. 1914 E, 358.
Upper Cretaceous (Lance); Wyoming.

ASPIDERETES Hay. Type *Trionyx gangeticus* Cuvier.

Hay, O. P. 1903 C, 274.
Boulenger, G. A. 1889 G, 244, I. B. 1 (Trionyx, part).
Gadow, H. 1896 A, 42, fig. 45 (Trionyx).
Gilmore, C. W. 1920 A, 56.
Hay, O. P. 1906 C, 156.
1908 A, 483, 485.
1928 A, 5.
Hummel, K. 1927 A, 47, 94.
Rabl, C. 1903 A, 177, fig. 19 (Trionyx).
Rathke, H. 1846 A, 161, 165 (Trionyx).
Rogers, A. F. 1924 A, 546 (Aspiderestes).
Siebenrock, F. 1909 A, 595 (Trionyx).
Teppner, W. 1914 A, 637.
Williston, S. W. 1914 A, 246, figs. 130, 131.
1925 B, 227.

Aspideretes allani Gilmore.

Gilmore, C. W. 1923 D, 1, pls. i-v.
Upper Cretaceous (Belly River); Alberta.

Aspideretes amnigenus Hay.

Hay, O. P. 1910 A, 324, pl. xi, fig. 4.
Upper Cretaceous (Lance); South Dakota.

Aspideretes austerus Hay.

Hay, O. P. 1908 A, 486, 495, text-fig. 649, 650.
Gilmore, C. W. 1916 D, 299, 300, pl. lxxvii, fig. 1; text-figs. 40, 41.
1920 A, 9.
1923 D, 4.
Reeside, J. B. 1924 A, 31.
Upper Cretaceous (Ojo Alamo); New Mexico.

Aspideretes beecheri Hay.

Hay, O. P. 1904 A, 274, pl. xvi.
Baur, G. 1891 B, 418 (Trionyx foveatus).
Bowen, C. F. 1915 A, 124, 149.
Brown, B. 1907 A, 842.
1914 E, 358.
Gilmore, C. W. 1923 D, 6.
Hay, O. P. 1905 A, 170.
1905 B, 178.
1905 G, 338.
1908 A, 486, 492, pl. xc, fig. 2; pl. xcii, figs. 1, 2; pl. xcvi, figs. 1, 2; text-fig. 647.
1910 B, 298.
Huene, F. 1920 D, 166.
Knowlton, F. H. 1911 C, 61, 63.
Upper Cretaceous (Lance); Wyoming: (Judith River, Hell Creek); Montana.

Aspideretes coalescens (Cope).

Hay, O. P. 1902 A, 454 (Trionyx).
Bowen, C. F. 1915 A, 126.
Cope, E. D. 1875 E, 27, 93, 261, pl. viii, figs. 6, 7 (Plastomenus).
1875 W, 337 (Trionyx).
Gilmore, C. W. 1923 D, 3, 5.
Hatcher, J. B. 1905 B, 74 (Plastomenus).
Hay, O. P. 1908 A, 486, 488, pl. lxxxviii, fig. 6; pl. xc, fig. 1; text-fig. 645.
Knowlton, F. H. 1911 C, 53, 63 (Plastomenus).
Lambe, L. M. 1899 B, 184, 188, 189 (Plastomenus).
1902 B, 3, pls. iii, iv (Trionyx vagans).
1904 C, 22, 37, 48 (Trionyx vagans).
1906 A, 193 (Trionyx coalescens).
Osborn, H. F. 1902 I, 12, 16 (Plastomenus).
Whiteaves, J. F. 1901 A, 185, 188 (Plastomenus).
Upper Cretaceous (Belly River); Alberta.

Aspideretes ellipticus Hay.

Hay, O. P. 1908 A, 486, 505, pl. xcv, figs. 1-3; text-figs. 665-666.
Middle Eocene (Bridger); Utah.

Aspideretes fontanus Hay.

Hay, O. P. 1908 A, 486, 494, text-fig. 648.
Gilmore, C. W. 1916 D, 299, 301, fig. 42.
1920 A, 9.
1923 D, 4.
Reeside, J. B. 1924 A, 31.
Upper Cretaceous (Ojo Alamo); New Mexico.

Aspideretes foveatus (Leidy).

Hay, O. P. 1902 A, 454 (Trionyx).
Bowen, C. F. 1915 A, 124, 149.
Brown, B. 1907 A, 842.
1914 E, 358, 378.
Gilmore, C. W. 1917 A, 4.
1923 D, 5.
Hatcher, J. B. 1905 B, 72 (Trionyx).
Hay, O. P. 1903 D, 119 (Trionyx).
1908 A, 486, pl. lxxxix, fig. 2, text-fig. 644.
1910 B, 298.

Knowlton, F. H. 1911 C, 52, 61.
Lambe, L. M. 1902 A, 33, pl. i, figs. 1, 2 (Trionyx).
1902 B, 1, pls. i, ii (Trionyx).
1904 C, 22, 37, 48 (Trionyx).
1906 A, 193 (Trionyx).
1907 B, 179 (Trionyx).
Matthew, W. D. 1916 A, 484.
Merrill, G. P. 1907 A, 80 (Trionyx).
Osborn, H. F. 1902 H, 674 (Trionyx).
1902 I, 12 (Trionyx).
Peale, A. C. 1912 A, 754 (Trionyx).
Sternberg, C. H. 1914 A, 134 (Trionyx).
Teppner, W. 1914 A, 637.
Upper Cretaceous (Judith River, Hell Creek, Two Medicine); Montana: (Belly River); Alberta: (Lance); North Dakota.

Aspideretes grangeri Hay.

Hay, O. P. 1908 A, 486, 507, pl. xcvii, fig. 1; text-fig. 667.
Middle Eocene (Bridger); Wyoming.

Aspideretes granifer Hay.

Hay, O. P. 1908 D, 168, pl. xxvii, figs. 4, 5.
Bowen, C. F. 1915 A, 124.
Gilmore, C. W. 1923 D, 5.
Upper Cretaceous (Judith River); Montana.

Aspideretes? guttatus (Leidy).

Hay, O. P. 1902 A, 454 (Trionyx).
1905 G, 335.
1908 A, 486, 503, text-figs. 663, 664.
Hayden, F. V. 1871 A, 145 (Trionyx).
Merrill, G. P. 1907 A, 80 (Trionyx).
Middle Eocene (Bridger); Wyoming.

Aspideretes lancensis Gilmore.

Gilmore, C. W. 1916 C, 643, pls. xxxiv, xxxv.
Upper Cretaceous (Lance); Wyoming.

Aspideretes latus Gilmore.

Gilmore, C. W. 1919 C, 129-131, pl. xxxvii; text-fig. 8.
1923 D, 2, 5.
Upper Cretaceous (Belly River); Alberta.

Aspideretes maturus Lambe.

Lambe, L. M. 1914 A, 13.
Hay, O. P. 1908 A, 487, pl. 89, fig. 1; text-fig. 643 (A. foveatus).
Gilmore, C. W. 1923 D, 5.
Upper Cretaceous (Belly River); Alberta.

Aspideretes? nassau Hay.

Hay, O. P. 1908 A, 486, 498, text-fig. 653.
Matthew, W. D. 1914 B, 389.
Upper Cretaceous (Fort Union); Montana.

Aspideretes perplexus Gilmore.

Gilmore, C. W. 1920 A, 10, 60, pl. xix, fig. 1; text-fig. 30.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco); New Mexico.

Aspideretes puercensis Hay.

Hay, O. P. 1908 A, 486, 499, pl. xciv, figs. 1-3; pl. civ, figs. 2, 3; text-figs. 654-655.
Gilmore, C. W. 1920 A, 10.
Matthew, W. D. 1914 B, 383.
Reeside, J. B. 1924 A, 38.
Teppner, W. 1914 A, 637.
Paleocene (Puerco); New Mexico.

Aspideretes quadratus Gilmore.

Gilmore, C. W. 1920 A, 10, 59, pl. xxii; text-fig. 29.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco); New Mexico.

Aspideretes reesidei Gilmore.

Gilmore, C. W. 1920 A, 10, 56, pl. xx; text-fig. 26.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco); New Mexico.

Aspideretes sagatus Hay.

Hay, O. P. 1908 A, 486, 497, text-fig. 652 (A. sagatus); pl. xciii, figs. 1-3 (A. foveatus, *errore*).
Gilmore, C. W. 1920 A, 10, 61, pl. xxiii, fig. 1; text-fig. 31.
Matthew, W. D. 1914 B, 383.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco); New Mexico.

Aspideretes singularis Hay.

Hay, O. P. 1907 B, 853, pl. liv, fig. 4; text-figs. 9-17.
Gardner, J. H. 1910 A, 731.
Gilmore, C. W. 1920 A, 10.
1923 D, 6.
Gratacap, L. P. 1908 A, 922.
Hay, O. P. 1908 A, 486, 501, text-figs. 656-662.
Huene, F. 1920 D, 166.
Hummel, K. 1927 A, 15, 86 (Trionyx).
Matthew, W. D. 1914 B, 383.
Reeside, J. B. 1924 A, 42.
Paleocene (Torrejon); New Mexico.

Aspideretes splendidus Hay.

Hay, O. P. 1908 A, 486, 490, pl. lxxxviii, figs. 7-9; pl. xci; text-fig. 646.
Bowen, C. F. 1915 A, 124.
Gilmore, C. W. 1919 C, 131.
1923 D, 3, 4, 5.
Teppner, W. 1914 A, 637.
Upper Cretaceous (Judith River); Montana.

Aspideretes subquadratus Lambe.

Lambe, L. M. 1914 A, 11, pl. i.
Gilmore, C. W. 1923 D, 3, 4, 5.
Lambe, L. M. 1914 F, 297.
Upper Cretaceous (Belly River); Alberta.

Aspideretes? vagans (Cope).

Hay, O. P. 1902 A, 454 (Trionyx).
Bowen, C. F. 1915 A, 124.
Cross, W. 1896 A, 244 ("Trionyx").
Hatcher, J. B. 1905 B, 73 (Trionyx).
Hay, O. P. 1903 D, 119 (Trionyx).
1908 A, 486, 497, pl. xcvi, fig. 3.
Knowlton, F. H. 1911 C, 53, 62 (Trionyx).
Lambe, L. M. 1902 A, 36, pl. i, figs. 3, 4; text-fig. 3 (Trionyx).
Merrill, G. P. 1907 A, 80 (Trionyx).

Osborn, H. F. 1902 H, 674 (Trionyx).
1902 I, 12 (Trionyx).
Sternberg, C. H. 1914 A, 134 (Trionyx).
Upper Cretaceous (Arapahoe or Denver); Colorado, Montana: (Laramie); North Dakota: (Belly River); Canada.

Aspideretes vegetus Gilmore.

Gilmore, C. W. 1920 A, 10, 57, pl. xviii, fig. 2; pl. xxi; text-figs. 27, 28.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco); New Mexico.

Aspideretes vorax Hay.

Hay, O. P. 1908 A, 486, 496, text-fig. 651.
Gilmore, C. W. 1916 D, 299, pl. lxxvii, fig. 3; text-fig. 39.
Gilmore, C. W. 1920 A, 9.
1923 D, 4.
Reeside, J. B. 1924 A, 31.
Upper Cretaceous (Ojo Alamo); New Mexico.

Aspideretes sp. indet.

Gilmore, C. W. 1917 A, 4. Upper Cretaceous (Two Medicine); Montana.
1924 D, 27. Upper Cretaceous (Lance); Saskatchewan.
Reeside, J. B. 1924 A, 21. Upper Cretaceous (Fruitland); New Mexico.
Sternberg, C. M. 1924 A, 68. Upper Cretaceous (Lance); Saskatchewan.
1926 A, 104. Upper Cretaceous (Edmonton); Alberta.

AXESTEMYS Hay. Type *Axestus byssinus Cope.*

Hay, O. P. 1902 A, 455.
1905 G, 337.
1908 A, 483, 508.
Teppner, W. 1914 A, 638.
Williston, S. W. 1925 B, 227.

Axestemys byssinus (Cope).

Cope, E. D. 1872 NN, 3 (Axestus byssimus).
Hay, O. P. 1902 A, 455.
1905 G, 337.
1908 A, 509, pl. civ, fig. 4; text-figs. 668, 669.
Merrill, G. P. 1907 A, 63 (Axestus).
Middle Eocene (Bridger); Wyoming.

CONCHOCHELYS Hay. Type *C. admirabilis* Hay.

Hay, O. P. 1905 F, 338.
1908 A, 483.
1910 B, 294.
Teppner, W. 1914 A, 638.
Williston, S. W. 1925 B, 227.

Conchechelys admirabilis Hay.

Hay, O. P. 1905 F, 335, text-figs. 1-3.
Gardner, J. H. 1910 A, 731.
Gilmore, C. W. 1920 A, 10.
Hay, O. P. 1908 A, 483, pl. lxxxviii, figs. 1-3.
Hummel, K. 1927 A, 15 (Trionyx).
Matthew, W. D. 1914 B, 383.
Reeside, J. B. 1924 A, 38 (Conochelys).
Paleocene (Puerco); New Mexico.

AMYDA Oken. Type *Trionyx euphraticus* Daudin.

Oken, L. 1816, Lehrbuch Zool., II, 348.
Ammon, L. 1911 A, 11.
Brown, A. E. 1904 A, 467 (Trionyx).
Dollo, L. 1887 B, 393 (Trionyx).
Fitzinger, L. 1836 A, 120.
Foote, J. S. 1916 A, 57.
Fuchs, H. 1907 B, 436, pl. xxi, fig. 18 (Trionyx).
Gilmore, C. W. 1917 A, 155.
1920 A, 62.
Hay, O. P. 1903 C, 268.
1905 A, 155.
1905 G, 335.
1908 A, 483, 510.
1910 B, 294.
Hoernes, R. 1886 A, 588 (Trionyx).
Hummel, K. 1927 A, 1-96, pls. i-xi [Trionyx (Amyda)].
Kasper, A. 1903 A, 171, fig. 2 (Trionyx).
Klaauw, C. J. 1924 B, 592 (Trionyx).
Moodie, R. L. 1908 C, 322 (Trionyx).
Newman, H. H. 1906 A, 74 (Aspidonectes).
Ogushi, K. 1911 A, 1 (Trionyx).
1911 B, 127 (Trionyx).
1913 A, 299 (Trionyx).
Oswald, F. 1909 A, 124 (Trionyx).
Shufeldt, R. 1921 A, 218.
Siebenrock, F. 1909 A, 595 (Trionyx).
Stejneger, L. 1905 A, 229.
1907 A, 514.
Stejneger and Barbour 1917 A, 124.
Teppner, W. 1914 A, 637.
Thäter, K. 1910 A, 492 ("testudo," "trionyx").
Williston, S. W. 1925 B, 227.

Amyda æqua Hay.

Hay, O. P. 1908 A, 511, 517, pl. xcix, figs. 1-3; text-figs. 672, 673.
1902 A, 454 (Trionyx radulus, in part).
1905 G, 336 (Amyda radulus, in part).
Hummel, K. 1927 A, 50 (Trionyx).
Eocene (Bridger); Wyoming.

Amyda? buiei (Cope).

Hay, O. P. 1902 A, 453 (Trionyx).
1908 A, 511, 534, pl. xcviii, fig. 12 (Amyda?).
Miocene (Duplin); North Carolina.

Amyda? cariosa (Cope).

Hay, O. P. 1902 A, 453 (Trionyx).
1908 A, 511, 515, pl. lxxxvi, figs. 9, 10 (Amyda?).
Merrill, G. P. 1907 A, 79 (Trionyx).
Lower Eocene (Wasatch); New Mexico.

Amyda? cellulosa (Cope).

Hay, O. P. 1902 A, 453.
1908 A, 511, 534 (Amyda?).
Case, E. C. 1904 D, 62 (Trionyx).
Shattuck, G. B. 1904 A, xciv.
Middle or Upper Miocene (Calvert); Maryland.

Amyda concentrica (Cope).

Cope, E. D. 1872 NN, 2 (Trionyx).
Hay, O. P. 1902 A, 454 (Trionyx).
1905 G, 336.
1908 A, 511, 522, pl. xcviii, figs. 7-10.
Merrill, G. P. 1907 A, 79 (Trionyx).
Middle Eocene (Bridger); Wyoming.

Amyda crassa Hay.

Hay, O. P. 1908 A, 511, 532, pl. cviii; text-fig. 692.
Gilmore, C. W. 1915 H, 155.
Hummel, K. 1927 A, 50 (Trionyx).
Upper Eocene (Uinta); Utah.

Amyda egregia Hay.

Hay, O. P. 1908 A, 511-531, pl. cvii, figs. 1-3; text-fig. 691.
Gilmore, C. W. 1915 H, 156.
Harrassowitz, H. 1919 A, 153 (Trionyx).
Hummel, K. 1927 A, 50 (Trionyx).
Eocene (Washakie); Wyoming: (Uinta); Utah.

Amyda eloisæ Gilmore.

Gilmore, C. W. 1920 A, 10, 63, pl. xxiv; text-fig. 63.
Reeside, J. B. 1924 A, 42.
Paleocene (Puerco); New Mexico.

Amyda? exquisita Hay.

Hay, O. P. 1908 A, 511, 525, text-figs. 681-683 (Amyda?).
Case, E. C. 1927 C, 223.
Middle Eocene (Bridger); Wyoming.

Amyda franciscæ Hay.

Hay, O. P. 1908 A, 511, 523; pls. cii, ciii; text-figs. 678, 679.
Gilmore, C. W. 1923 D, 6.
Hummel, K. 1927 A, 50 (Trionyx).
Middle Eocene (Bridger); Wyoming.

Amyda? halophila (Cope).

Hay, O. P. 1902 A, 454 (Trionyx).
1908 A, 511, 513, pl. xcvi, figs. 4, 5 (Amyda?).
Upper Cretaceous ("Lower marl bed"); Delaware and New Jersey.

Amyda? lima (Cope).

Hay, O. P. 1902 A, 454 (Trionyx).
1908 A, 511, 533, pl. xcviii, fig. 11 (Amyda?).
Miocene (Kirkwood); New Jersey: (St. Mary's); North Carolina. *Fide* Gilmore.

Amyda mira Hay.

Hay, O. P. 1908 A, 511, 526, pl. cv, fig. 1; pl. cvi; text-figs. 684-686.
Hummel, K. 1927 A, 16, 18, 50 (Trionyx).
Middle Eocene (Bridger); Wyoming.

Amyda nelsoni Case.

Case, E. C. 1927 C, 223, pl. i; text-figs. 1-3.
Middle Eocene (Bridger); Wyoming.

Amyda? prisca (Leidy).

Hay, O. P. 1902 A, 454 (Trionyx).
1908 A, 511, 512, pl. xcvii, figs. 2-6 (Amyda?).
Upper Cretaceous (Navesink?); New Jersey.

Amyda radula (Cope).

Hay, O. P. 1902 A, 454 (Trionyx).
1905 G, 336.
1908 A, 511, 517, pl. lxxxvi, figs. 11, 12.
Merrill, G. P. 1907 A, 80 (Trionyx).
Lower Eocene (Wasatch); New Mexico.

Amyda salebrosa Hay.

Hay, O. P. 1908 A, 511, 524, pl. civ, fig. 1; text-fig. 680.
Case, E. C. 1927 C, 223.
Gilmore, C. W. 1920 A, 63.
Hummel, K. 1927 A, 50 (Trionyx).
Teppner, W. 1914 A, 638.
Middle Eocene (Bridger); Wyoming.

Amyda scutumantiquum (Cope).

Hay, O. P. 1902 A, 454 (Trionyx).
Cope, E. D. 1874 B, 436, 441 (Trionyx).
Gilmore, C. W. 1915 H, 157, pl. xxvi, fig. 2.
Hay, O. P. 1905 G, 336.
1908 A, 511, 521, pl. c, figs. 2-4; pl. ci, fig. i; text-figs. 676, 677.
Loomis, F. B. 1907 B, 358 (Trionyx. This species?).
Middle Eocene (Bridger, Wasatch?); Upper (Uinta?); Wyoming.

Amyda? tritor Hay.

Hay, O. P. 1904 B, 254 (Aspidonectes).
1905 G, 336 (Amyda?).
1908 A, 511, 529, text-figs. 687-689 (Amyda?).
Hummel, K. 1927 A, 16, 50 (Trionyx).
Stejneger, L. 1905 A, 299 (Aspidonectes).
Middle Eocene (Bridger); Wyoming.

Amyda uintaënsis (Leidy).

Hay, O. P. 1902 A, 454 (Trionyx).
1905 G, 336.
1908 A, 511, 519, pl. c, fig. 1; text-figs. 674, 675.
Hummel, K. 1927 A, 50 (Trionyx).
Middle Eocene (Bridger); Wyoming.

Amyda? ventricosa (Cope).

Hay, O. P. 1902 A, 455 (Trionyx).
Cope, E. D. 1877 K, 45, pl. lxiv, figs. 7-13 (Trionyx).
Hay, O. P. 1908 A, 511, 516, pl. xcviii, figs. 1-6 (Amyda?).
Merrill, G. P. 1907 A, 80 (Trionyx).
Lower Eocene (Wasatch); New Mexico.

Amyda? virginiana (Clark).

Hay, O. P. 1902 A, 455 (Trionyx).
Case, E. C. 1901 A, 97, pl. xi, figs. 1, 2 (Trionyx).
Clark and Miller 1912 A, 117, 118 (Trionyx).
Hay, O. P. 1908 A, 511, 515, pl. xcvi, figs. 7, 8; text-figs. 670, 671 (Amyda?).
Lower Eocene (Aquia); Virginia.

Amyda sp. indet.

Gilmore, C. W. 1915 H, 104.
Hay, O. P. 1902 A, 455 (This genus?). Tertiary; Maryland, South Carolina, New Mexico, Wyoming.
1923 A, 353. Pleistocene; Virginia.
1923 B, 118, pl. ix, figs. 2-4. Pleistocene; Texas.
1927 D, 274. Pleistocene; Florida.
Shattuck, G. B. 1904 A, xciv ("Trionyx"). Miocene (Calvert); Maryland.
Shufeldt, R. W. 1918 A, 358 (Apideretes ferox?, Amyda ferox). Pleistocene (Early); Florida.

TEMNOTRIONYX Hay. Type *T. manducans* Hay.

Hay, O. P. 1908 A, 534.
Teppner, W. 1914 A, 638.

Temnotrionyx manducans Hay.

Hay, O. P. 1908 A, 534, pl. cv, figs. 2, 3; text-figs. 690.
Middle Eocene (Bridger); Wyoming.

PLATYPELTIS Fitzinger. Type *Testudo ferox* Schneider.

Fitzinger, L. 1836 A, 120, 127.
Agassiz, L. 1857 B, 400 (Platypeltis); 403 (Aspidonectes).
Baur, G. 1894 B, 349, figs. 1-6.
Gray, J. E. 1873 A, 58.
Hay, O. P. 1905 G, 336.
1908 A, 483, 536.
Hayek, H. 1924 A, 151.
Hummel, K. 1927 A, 47.
Lane, H. H. 1910 B, 345 (Trionyx).
Palacký, J. 1894 A, 133 (Aspidonectes).
Schmidt, W. J. 1920 A, 10 (Trionyx).
Siebenrock, F. 1909 A, 595 (Trionyx).
Teppner, W. 1914 A, 638.
Williston, S. W. 1925 A, 43, 44, 93, figs. 31, 32.
1925 B, 227.

Platypeltis amnicola Hay.

Hay, O. P. 1907 B, 860, pl. liv, figs. 5, 6; text-fig. 19.
1908 A, 536, 540, fig. 697.
Lower Eocene (Wasatch); Wyoming.

Platypeltis antiqua Hay.

Hay, O. P. 1907 B, 859, text-fig. 18.
Gardner, J. H. 1910 A, 731.
Gilmore, C. W. 1920 A, 10.
Hay, O. P. 1908 A, 536, 537, text-fig. 693.
Hummel, K. 1927 A, 86.
Reeside, J. B. 1924 A, 42.
Paleocene (Torrejon); New Mexico.

Platypeltis extensa Hay.

Hay, O. P. 1908 A, 537, 545, pl. cxii; text-fig. 703.
Middle Eocene (Bridger); Wyoming.

Platypeltis ferox (Schneider).

Schneider, J. G. 1783, Schildkröt., 330 (Testudo).
Boulenger, G. A. 1889 A, 259 (Trionyx).
Fuchs, H. 1907 B, 437 (Amyda).
Gray, J. E. 1855 A, 68 (Trionyx).
1873 A, 58, fig. 9.
Hay, O. P. 1908 A, 537, 548.
1923 A, 379.
Shufeldt, R. W. 1918 A, 358 (Trionyx, Amyda).
1921 A, 218.
Siebenrock, F. 1909 A, 603 (Trionyx).
Siebenrock, F. 1923 A, 180 (Trionyx).
Siegelbaur, F. 1909 A, 185 (Trionyx).
Recent; North America east of Mississippi River: Pleistocene (Early); Florida.

Platypeltis heteroglypta (Cope).

Hay, O. P. 1902 A, 454 (Trionyx).
1905 G, 336.
1908 A, 537, 543, pl. xcviii, fig. 14; pl. ci, fig. 2; text-figs. 701, 702.
Middle Eocene (Bridger); Wyoming.

Platypeltis leucopotamica (Cope).

Hay, O. P. 1902 A, 454 (Trionyx leuc., T. punctiger).
1908 A, 537, 546, pl. cxiii, figs. 1-3; text-fig. 704.
Lambe, L. M. 1904 C, 27, 38 (Trionyx).
1905 D, 366 A (Trionyx).
1908 A, 9, 19 (Trionyx).
Teppner, W. 1914 A, 638.
Oligocene (White River); Assiniboia.

Platypeltis miocæna Matthew.

Matthew, W. D. 1924 C, 68, 207, fig. 62.
Upper Miocene (Lower Snake Creek); Nebraska.

Platypeltis postera Hay.

Hay, O. P. 1908 A, 537, 545, pl. cxi, figs. 1, 2.
Teppner, W. 1914 A, 638.
Middle Eocene (Bridger); Wyoming.

Platypeltis serialis (Cope).

Hay, O. P. 1902 A, 453 (Plastomenus).
1905 G, 337.
1908 A, 536, 537, pl. xcviii, fig. 13; pl. cix, figs. 1-4; text-figs. 694-696.
Hummel, K. 1927 A, 86.
Lower Eocene (Wasatch); New Mexico: Middle Eocene (Bridger); Wyoming.

Platypeltis trepida Hay.

Hay, O. P. 1907 B, 862, pl. liv, fig. 7; text-fig. 20.
1908 A, 536, 541, text-fig. 698.
Middle Eocene (Bridger); Wyoming.

Platypeltis trionychoides (Cope).

Cope, E. D. 1872 NN, 2 (Anostira).
Hay, O. P. 1902 A, 453 (Plastomenus).
1905 G, 336.
Hay, O. P. 1908 A, 537, 541, pl. cx, figs. 1, 2; text-figs. 699, 700.
Merrill, G. P. 1907 A, 62 (Anosteira); 76 (Plastomenus).
Middle Eocene (Bridger); Wyoming.

UNDETERMINED TRIONYCHIDÆ.

Hay, O. P. 1902 A, 455.

Superorder CATACRITOSAURIA, new name.

Order PLESIOSAURIA Blainville.

Blainville, H. M. D. 1835 A, 241.
Hay, O. P. 1902 A, 455.
Abel, O. 1904 B, 741 (Sauropterygia).
1907 A, 225 (Sauropterygia).
1909 F, 463 (Sauropterygia).
1910 B, (186).
1912 F, 78, 136, 149, 221, 693 (Sauropterygia).
1919 A, 481 (Sauropterygia).
1920 A, 375 (Sauropterygia).
1922 C, 546, figs. ("plesiosaurier").
Agassiz, L. 1844 D, 137 ("plesiosaures").
Anderson, R. J. 1909 B, 745 (Sauropterygia).
Andrews, C. W. 1896 B, 145 ("plesiosaurs").
1909 B, 418.
1910 A, 77.
1911 A, 160, 163.
1913 A, vii (Sauropterygia).
Anthony, R. 1913 A, 267 ("sauropterygiens").
Arldt, T. 1907 D, 680 (Sauropterygia).
Arthaber, G. 1924 A, 442, 452 (Sauropterygia).
Bardeleben, K. 1907 A, 37 ("sauropterygier").
Baur, G. 1889 L, 312.
1897 D, 52.
1898 A, 147.
Boas, J. E. V. 1914 B, 560 ("plesiosaurier").
Boule, M. 1902 B, 905, fig. 5 ("plésiosaures").
Boulenger, G. A. 1904 C, 479, 480.
1917 D, 1045 ("plésiosaures").
1917 E, 221.
1917 F, 456 ("plésiosauriens").
1918 E, 517 ("plésiosauriens").
Brandt, J. F. 1865 A, 17 (Sauropterygia).
Brauns, D. 1890 A, 161, 162, 187 (Sauropterygia).
Broili, F. 1913 B, 519 ("sauropterygier").
1920 A, 320 ("sauropterygier").
Broom, R. 1901 A, 188.
1903 I, 554.
1904 C, 109 ("plesiosaurs").
1907 A, 37 ("plesiosaurs").
1908 A, 1054 ("plesiosaurs").
1917 A, 978 ("plesiosaurs").
1922 A, 17, 20, 25.
1924 C, 75.
Brown, B. 1904 A, 185 ("plesiosaurs").
1914 E, 378.
Carus, V. 1875 A, 410 (Sauropterygia).
Case, E. C. 1898 C, 713 (Sauropterygia).
1905 E, 180 ("plesiosaurs").
1923 A, 517 (Sauropterygia).
Cope, E. D. 1880 U, 146 ("sauroptérygées").
1891 N, 35, 39.
Dames, W. 1883 C, 398 (Sauropterygia).
1898 F, 48.
Diener, C. 1909 A, 41 ("sauropterygier").
Dollo, L. 1883 G, 594.
1885 D, 632.
1896 A, 83 ("plésiosauriens").
Drevermann, F. 1922 A, 101 ("sauropterygier").
Eastman, C. R. 1904 G, 466 ("plesiosaur").
Fraas, E. 1901 B, cxxvi ("plesiosaurier").
1901 C, 417 ("sauropterygier").
1905 B, 360 ("plesiosaurier").
1910 A, 105 ("plesiosaurier").
Fuchs, H. 1907 A, 161 (Plesiosauria, Sauropterygia).
1909 B, 114, 141, 152 (Sauropterygia).
1911 B (Sauropterygia).
Fürbringer, M. 1902 B, 727 ("plesiosaurier").
1904 A, ("plesiosaurier").
Gadow, H. 1901 A, 410 ("plesiosaurs").
1901 B, 473, 477 (Plesiosauri).
1902 B, 359.
Gaupp, E. 1913 A, 58 ("plesiosaurier").
Gegenbaur, C. 1870 A, 347 ("plesiosauren").
Gervais, P. 1852 A, 269 ("plésiosauriens").
1853 B, 35 ("plésiosaures").
1859 A, 478 ("plésiosauriens").
Goodrich, E. S. 1916 A, 263 (Sauropterygia).
Greene, J. R. 1861 A, 219, 226 (Sauropterygia).
Gregory, W. K. 1910 A, 114.
Haeckel, E. 1868 A, 455.
1873 A, 512.
Hares, C. J. 1917 A, 429 ("plesiosaurs").
Hatcher, J. B. 1905 B, 71.
Hay, O. P. 1905 D, 125 ("plesiosaurs").
1905 H, 296 ("plesiosaurs").
Henderson, J. 1904 A, 466.
Hilzheimer, M. 1913 A, 515 ("sauropterygier")
Hoernes, R. 1886 A, 593 (Sauropterygia).
1912 A, 661.
Howes, G. B. 1902 A, 524.
Howes and Swinnerton 1901 A, 2, 68.
Hubrecht, A. A. W. 1908 A, 153 (Sauropterygia).
Huene, F. 1902 A, 39 ("sauropterygier").
1911 D, 46 ("sauropterygier").
1914 G, 47 ("plesiosaurier").
1920 B, 206 ("sauropterygier").
1921 A, 228 ("sauropterygier").
1925 D, 229, 235, 238 (Sauropterygia).
1926 I, 82 (Sauropterygia).
1927 E, 325 ("sauropterygier").
Huxley, T. H. 1858 F, 525 (Plesiosauri).
1862 A, xlviii.
1870 F, 538.
Jaekel, O. 1902 A, 110 ("plesiosaurier").
1904 A, 33 ("plesiosaurier").
1907 B, 87.
1908 B, 464 ("plesiosaurier").
1910 C, 334 (Sauropterygii).

Jaekel, O. 1910 D, 113 (Enaliosauria).
1911 A, 132 (Enaliosauria); 147 (Sauropterygii).
1912 A, 619 ("sauropterygiens").
1915 A, 99 ("sauropterygier").
Kingsley, J. S. 1912 B, 89, fig. 91 ("plesiosaurs").
1925 A, 45, 144, 245, 254, 282 (Sauropterygia).
Koken, E. 1893 B, 352 ("plesiosaurier").
1901 B, 221 ("plesiosaurier").
Kükenthal, W. 1891 C, 391, 397 ("plesiosauren").
Larger, R. 1913 A, 720.
Lavocat, A. 1885 A, 34 ("plésiosaures").
Leunis and Ludwig 1883 A, 598.
Linder, H. 1913 A, 339 ("plesiosaurier").
Lull, R. S. 1917 B, 322 (Sauropterygia).
Lydekker, R. 1912 C, 4, 22, 28, 133 (Sauropterygia).
1915 C, 626 ("plesiosaurs").
McGregor, J. H. 1905 A, 295 ("plesiosaurs").
1906 A, 88 (Sauropterygia).
Marsh, O. C. 1899 C, 72 ("plesiosaurs").
Matthew, W. D. 1921 D, 211 ("plesiosaurs").
Merriam, J. C. 1912 B, 221 ("plesiosaurs").
Moodie, R. L. 1908 C, 319 ("plesiosaurs").
1908 D, 446.
1909 G, 363 ("plesiosaurs").
1916 D, 402.
1916 F, 35 ("plesiosaurs").
Noack, T. 1880 A, 76 ("plesiosaurier").
Nopcsa, F. 1922 A, 112, 116 ("sauropterygier").
1923 E, 1048 ("sauropterygians").
1923 H, 1-181, tab. (Sauropterygia).
1926 A, 638, 652 ("sauropterygia").
Osborn, H. F. 1902 H, 750 ("plesiosaurs").
1903 D, 313 ("plesiosaurs"); 453, 456, 465 (Sauropterygia).
1903 H, 453, 454, 456.
1904 H, 104 (Sauropterygia).
1904 N, 308 (Sauropterygia).
1905 C, 295 (Sauropterygia).
1905 N, 238 (Sauropterygia).
Osburn, R. C. 1906 A, 447.
Owen, R. 1839 E, 65 (Plesiosauri).
1840 A, 45.
1866 A, 51, 388 (Sauropterygia).
Parker and Haswell 1897 A, 314, 344 (Sauropterygia).
Perrier, E. 1920 A, 323 ("plésiosauriens").
Pompeckj, J. F. 1925 A, 6, 9, ("plesiosaurier").
Rabl, C. 1903 A, 155 ("plesiosaurier").
Reynolds, S. H. 1897 A, 273, 275, 286, 287, 554 (Sauropterygia).
Ridewood, W. G. 1897 D, 196 (Sauropterygia).
Rogenhofer, A. 1908 A, (42) ("plesiosaurier").
Ryder, J. 1887 A, 346 ("plesiosaurs").
Ryder, J. 1887 B, 438.
Sabatier, A. 1902 A, 100 ("plésiosaures").
Schaffer, F. X. 1912 A, 198 ("plesiosaurier").
Seeley, H. G. 1866 B, 351 ("plesiosaurs").
1882 A, 350.
1887 D, 341.
1887 E, 210.
Sewertzoff, A. N. 1908 A, (Sauropterygia).
Steinmann, J. 1907 A, 438 (Sauropterygia).
1908 A, 235, 237, 238.
1909 A, 86.
1912 A, 49 ("plesiosaurier").
1912 B, 721.
Sterling, S. 1910 C, 667 ("plesiosaurier").
Stromer, E. 1908 B, 170.
1912 A, 99, 126 (Sauropterygia).
Swinnerton and Howes 1901 A, 68.
Symington, J. 1905 A, 109 ("plesiosaurians").
Terra, P. 1911 A, 236 (Plesiosaurii).
Thevenin, A. 1910 A, 59 ("sauroptérygiens").
Thyng, F. W. 1906 A, 63 (Sauropterygia).
Tornier, G. 1913 B, 352, 374 (Sauropterygia).
Versluys, J. 1912 A, 501 ("plesiosaurier").
1912 B, 550, 668, 687 (Sauropterygia).
1919 A, 12 (Sauropterygia).
Vogt, C. 1879 A, 243 ("plésiosaures").
Volz, W. 1902 A, 121 ("sauropterygier").
Watson, D. M. S. 1912 B, 584 (Sauropterygia).
1913 D, 27 ("plesiosaurs").
1917 B, 60 ("plesiosaurs").
1917 C, 178 (Sauropterygia).
1924 A, 885.
Wegner, R. N. 1922 A, 481 (Sauropterygia).
Williston, S. W. 1893 D, 110 ("plesiosaurs").
1902 F, 259 ("plesiosaurs").
1903 C, 980 ("plesiosaurs").
1904 B, 176 (Sauropterygia).
1904 E, 565 ("plesiosaurs").
1905 E, 294 (Sauropterygia).
1907 A, 477, 486 ("plesiosaurs").
1908 E, 726.
1909 A, 396 ("plesiosaurs").
1911 F, 661 (Sauropterygia).
1912 B, 650 (Sauropterygia).
1914 A, 17, 45, 73, 77 (Sauropterygia).
1917 C, 415 (Sauropterygia).
1918 A, 80.
1925 A, *passim* (Sauropterygia).
1925 B, 211, 246, 248 (Sauropterygia).
Woodward, A. S. 1898 E, 330.
1909 A, 327.
1922 C, 32, fig. 29.
Woodward, H. 1904 B, 143.
Zittel and Broili 1911 A, 229 (Sauropterygia).
1923 A, 278, 383 (Sauropterygia).
Zittel and Eastman 1902 A, 171 (Sauropterygia).

Suborder PLESIOSAURIFORMES, new name.

The knowledge of the numerous genera of North American plesiosaurs is so unsatisfactory that the writer is not able to assign them to their families. Three families are recognized and to each is referred the type genus. Most of the other genera follow in their alphabetical order.

Broom, R. 1924 B, 55, 64, fig. 13.
Jaekel, O. 1910 C, 325, 335 (Plesiosauri).
1911 A, 149 (Plesiosauri).
Nopcsa, F. 1923 H, 1-181, tab. (Plesiosauria).
1928 A, 173 (Plesiosauroidea).
Williston, S. W. 1925 A, *passim* (Plesiosauria).
1925 B, *passim* (Plesiosauria).

PLESIOSAURIDÆ Gray.

Gray, J. E. 1825 A, 196.
Hay, O. P. 1902 A, 455.
Abel, O. 1919 A, 489.
1921 A, 222 ("plesiosaurier").
1922 C, 317.
Arldt, T. 1907 D, 674.
Arthaber, G. 1924 A, 447, 449.
Baur, G. 1898 A, 148.
Bogolubow, N. N. 1909 A, 43, 63.
Bonaparte, C. L. 1831 A, 64.
1833 B, 1183.
Cope, E. D. 1891 N, 39.
Fraas, E. 1902 B, 4 ("plesiosauriden").
Gadow, H. 1901 B, 478.
Gregory, W. K. 1904 B, 888 ("plesiosaurs").
Hay, O. P. 1905 H, 296 ("plesiosaurs").
Henderson, J. 1904 A, 466 ("plesiosaurs").
Hilzheimer, M. 1913 A, 515.
Huene, F. 1921 A, 231 ("plesiosauriden").
1922 D, 278 ("plesiosauriden").
Jaekel, O. 1907 B, 39, fig. 24 ("plesiosauriden").
1909 D, 721 ("plesiosaurier").
1912 A, 614 ("plesiosauriden").
Matthew, W. D. 1910 I, 250 ("plesiosaurs").
Moodie, R. L. 1907 A, 90 ("plesiosaurs").
1911 D, 95 ("plesiosaurian").
Nopcsa, F. 1922 A, 112.
1928 A, 173 (Plesiosaurinæ).
Pravoslavlev, P. 1916 A, 332.
Reynolds, S. H. 1897 A, 192, 193, 278.
Tornier, G. 1913 B, 354.
Williston, S. W. 1903 A, 5 ("plesiosaurs").
1925 B, 248.
Zittel and Broili 1911 A, 235.
1923 A, 285.
Zittel, Eastman, etc. 1902 A, 175.

PLESIOSAURUS Conybeare. Type *P. dolichodeirus* Conybeare.

Hay, O. P. 1902 A, 456.
Abel, O. 1908 E, 404.
1908 G, (44).
1909 F, 465.
1919 A, 493, figs. 389, 391, 392, 394.
1920 A, 375.
1921 A, 222, 227, fig. 80.
1925 A, 167, figs. 109-113.
Agassiz, L. 1835 B, 338.
Andrews, C. W. 1911 B, 309, pl. xviii; text-figs. 1-4.
1922 A, 285, pl. xiv; 2 text-figs.
Boas, J. E. V. 1914 C, 280.
Brauer, A. 1908 A, 88, figs. 3-5.
Brauns, D. 1890 A, 187, fig. 9.
Bronn, H. G. 1848 B, 996.
1849 A, 688.
Broom, R. 1899 A, 764.
1921 A, 155, figs. 24, 25.
1922 A, 20, fig. 2.
1924 B, 6, 9.
Carus, V. 1875 A, 412.
Conybeare, W. D. 1824 B, 381.
Cuvier, G. 1825 A, v, 2, 475-487, pls. xxxi-xxxii.
Dames, W. 1883 C, 398.
1898 F, 48, pl. iii.
De la Beche and Conybeare 1921 A, 560, 581.
Dollo, L. 1885 D, 633, 636.
Durand, J. P. 1898 A, 293 ("plésiosaure").
Edinger, T. 1928 A, 380, fig. 1.
Eimer, G. H. T. 1901 A, 261.
Fraas, E. 1910 A, 105.
Gaudry, A. 1896 A, 49.
Gegenbaur, C. 1870 A, 342.
Gervais, P. 1859 A, 478.
Giebel, C. G. 1855 A, 91.
Heilmann, G. 1913 B, 78.
Heilprin, A, 1887 A, 159, 162.
Hoernes, R. 1886 A, 594.
Hoffman, C. K. 1890 B, 1303, pl. lxi.
Huene, F. 1902 A, 39.
Humphry, G. M. 1876 A, 665.
Hutchinson, H. N. 1910 A, 76, pls. v, vi.
Huxley, T. H. 1858 E, 522.
Kesteven, H. 1916 A, 305 (Sauropterygia).
Kingsley, J. S. 1925 A, 150, fig. 159.
Lankester, E. R. 1905 A, 224, fig. 164.
Le Damany, P. 1902 A, 333 ("plésiosaure").
1903 G, 131, fig. 2. ("plésiosaure").
Lönnberg, E. 1910 A, 15.
Lydekker, R. 1912 C, 105.
McGregor, J. H. 1905 A, 295 ("plesiosaurs").
Mantell, G. A. 1844 A, 708.
Matthew, W. D. 1910 I, 250 ("plesiosaur").
Mivart, St. G. 1871 B, 388, fig. 2.
1878 B, 284.
Müller, J. 1832 A, 508.
1841 B, clii.
Nopcsa, F. 1923 B, 357.
1923 H, 64, 66, 195.
Osborn, H. F. 1917 B, 319 ("plesiosaur").
Oswald, F. 1911 A, 410.
Owen, R. 1839 E, 65.
1842 F, 72, 79.
1845 B, 280, pl. lxxiii, fig. 10; pl. lxxiv.
1848 B, 93.
1868 A, 902.
Pictet, F. J. 1853 A, 534.
Rabl, C. 1901 A, 521.
Reynolds, S. H. 1897 A, 28, 37, 192, 193, 272.
Ridewood, W. G. 1897 D, 194.
Rogenhofer, A. 1908 A, (44).
Schlesinger, G. 1909 A, (142).
Schuchert, C. 1918 B, 253.
Seeley, H. G. 1866 B, 352.
1882 A, 353.
Seitz, A. L. L. 1907 A, 274.
Serres, M. 1852 A, 114.
Sollas, W. J. 1916 A, 90.
Spencer, W. B. 1886 A, 233.
Steinmann, G. 1907 A, 439.
Sternberg, C. H. 1917 A, 175 ("plesiosaurs").
Stremme, H. 1909 A, 505.
Tornier, G. 1913 B, 354.
Trouessart, E. L. 1903 A, 306.
Versluys, J. 1909 A, 290.
1912 B, 672.
1919 A, 12, fig. 10.
Watson, D. M. S. 1925 A, 891, figs. 4-6, 10.
Williston, S. W. 1903 A, 7, 23, pl. xviii, fig. 5; pl. xix, figs. 1-3; text-fig. 10.
1925 A, 57, figs. 46, 48.
1925 B, 248.
Williston and Moodie 1917 A, 61.

Wiman, C. 1916 C, 225, fig. 3 ("plesiosaurier").
Wyman, J. 1867 B, 259, 274.
Zittel and Broili 1911 A, 235.
1923 A, 286, figs. 398, 399.
Zittel, Eastman, etc. 1902 A, 175.

Plesiosaurus brevifemur Cope.

Hay, O. P. 1902 A, 456.
Williston, S. W. 1902 D, 241.
1903 A, 6.
1908 C, 736.
Upper Cretaceous (Hornerstown); New Jersey.

Plesiosaurus gouldii Williston.

Hay, O. P. 1902 A, 456.
Sauvage, H. E. 1901 B, 12.
Williston, S. W. 1902 D, 241.
1903 A, 7, 72, pl. xxvii, figs. 2, 3.
1908 C, 736.
Lower Cretaceous (Comanche); Kansas.

Plesiosaurus gulo Cope.

Hay, O. P. 1902 A, 456.
Williston, S. W. 1902 D, 241.
1903 A, 7, text-fig. 7.
1908 A, 736.
Upper Cretaceous (Pierre); Kansas.

Plesiosaurus mexicanus Wieland.

Wieland, G. R. 1910 A, 359, pl. [P. (Polyptichodon)].
Jurassic; Mexico.

Plesiosaurus mudgei Cragin.

Hay, O. P. 1902 A, 456.
Williston, S. W. 1902 D, 241.
1903 A, 7, 44, pl. xxvii, fig. 1; pl. xxix; text-figs. 6, 11.
1908 C, 736.
Lower Cretaceous (Comanche); Kansas.

Plesiosaurus shirleyensis Knight.

Hay, O. P. 1902 A, 456.
Lydekker, R. 1913 A, 16.
Williston, S. W. 1902 D, 241.
1903 A, 7.
1904 A, 341.
1908 C, 736.
Upper Jurassic (Sundance); Wyoming.

Plesiosaurus? vaccinsulensis (Cope).

Cope, E. D. 1876 I, 196 (Champsosaurus).
Unless otherwise indicated the authors, as quoted, call the fossil in question *Champsosaurus vaccinsulensis.*
Hay, O. P. 1902 A, 461.
Bowen, C. F. 1915 A, 128.
Brown, B. 1905 B, 6 ("plesiosaur").
Dollo, L. 1884 C, 155.
Hatcher, J. B. 1905 B, 81.
Osborn, H. F. 1902 I, 12.
Upper Cretaceous (Judith River); Montana.

Plesiosaurus? sp. indet.

Hill, R. T. 1901 A, 328. Lower Cretaceous (Eagle Ford); Texas.
Lambe, L. M. 1914 F, 298.
Lull, R. S. in Gregory, H. E. 1917 A, 74 ("plesiosaur." This genus?). Cretaceous (Mancos shales); Arizona.

POLYCOTYLIDÆ Williston.

Williston, S. W. 1908 E, 727.
Bogolubow, N. N. 1912 A, 175.
Cope, E. D. 1887 G, 564 (Polycotylinæ).
Williston, S. W. 1903 A, 5 ("plesiosaurs").
1908 C, 735.
1925 B, 250.

POLYCOTYLUS Cope. Type *P. latipinnis* Cope.

Hay, O. P. 1902 A, 457.
Abel, O. 1912 F, 81.
1919 A, 503.
1922 C, 320.
Bogolubow, N. N. 1912 A, 174.
Brown, B. 1913 C, 606.
Cope, E. D. 1880 U, 146.
Moodie, R. L. 1911 D, 97, pl. i; text-fig. 7.
1916 D, 405, fig. 3.
Nopcsa, F. 1923 E, 1050, fig. 8.
Watson, D. M. S. 1924 A, 914, 916.
Wieland, G. R. 1906 C, 820.
Williston, S. W. 1902 D, 242.
1903 A, 10.
1905 C, 504.
1906 B, 221, 233, 234.
1908 C, 715, 735.
1914 A, 80, fig. 34.
1925 A, 115, fig. 89.
1925 B, 250.
Williston and Moodie 1917 A, 61.
Zittel and Broili 1911 A, 238.
1923 A, 289.

Polycotylus dolichopus Williston.

Williston, S. W. 1906 B, 235, pl. iii, fig. 2.
1908 C, 736.
Upper Cretaceous (Niobrara); Kansas, Wyoming.

Polycotylus latipinnis Cope.

Hay, O. P. 1902 A, 457.
Moodie, R. L. 1911 D, 98.
Williston, S. W. 1902 D, 242.
1903 A, 10, 67, pl. xxi.
1906 B, 233, pl. iii, fig. 1; text-fig. 5.
1908 C, 715, 736, figs. 6, 13, 14.
Upper Cretaceous (Niobrara); Kansas, Wyoming.

TRINACROMERUM. Type *T. bentonianum* Cragin.

Hay, O. P. 1902 A, 458.
Abel, O. 1912 F, 81.
1919 A, 502.
1922 C, 317.
Andrews, C. W. 1910 A, xv (Dolichorhyncops)
1913 A, 3, 12, 41.
Anonymous 1906 D, 711.
Bogolubow, N. H. 1912 A, 174.
Brown, B. 1913 C, 606.
Linder, H. 1913 A, 405 (Dolichorhynchops).
Moodie, R. L. 1911 D, 97.
Nopcsa, F. 1923 H, 12, 13, 63, 65, 66, 174, pl. ii, fig. 5.
1925 A, 24.
1928 A, 173.
Osburn, R. C. 1906 A, 450 (Dolichorhynchops a syn.).
Steinmann, G. 1907 A, 439, fig. 769 (Dolichorhynchops).
1908 A, 238, fig. 141 (Dolichorhynchops).
Versluys, J. 1912 B, 672 (Trinacromerun, Dolichorhynchops).
Wieland, G. R. 1906 C, 820.
Williston, S. W. 1902 D, 242 (Trinacromerum); 243 (Dolichorhynchops, type *D. osborni*.
1902 F, 262 (Dolichorhynchops).
1903 A, 11 (Trinacromerum); 12, 14 (Dolichorhynchops).
1906 B, 236.
1908 C, 715, 735.
1914 A, 81, figs. 35, 38, 41, 42.
1918 A, 79, fig. 3.
1925 A, 59, 103, 130, 194, figs. 48, 80, 102, 126, 159.
1925 B, 250.
Williston and Moodie 1917 A, 61.
Zittel and Broili 1911 A, 238 (Trinacromerum Dolichorhynchus).
1923 A, 289.
Zittel, Eastman, etc. 1902 A, 178 (Dolichorhynchus).

Trinacromerum anonymum Williston.

Williston, S. W. 1903 A, 20, 21, 44, pl. xxviii; text-fig. 9.
1906 A, 10.
1906 B, 236.
1908 C, 729, 736, figs. 9-12.
Upper Cretaceous (Benton); Kansas.

Trinacromerum bentonianum Cragin.

Hay, O. P. 1902 A, 458.
Abel, O. 1919 A, 499, figs. 393, 399.
1922 C, 318, fig. 275.
Koken and Linder 1913 A, 105.
Williston, S. W. 1902 D, 242.
1903 A, 11, 66.
1908 C, 716, figs. 1-5, 7, 8.
Upper Cretaceous (Benton); Kansas.

Trinacromerum latimanus Williston.

Williston, S. W. 1908 C, 732, 736, fig. 15.
Upper Cretaceous (Benton); Wyoming.

Trinacromerum osborni Williston.

Williston, S. W. 1902 D, 241, pl. xi (Dolichorhynchops).
Abel, O. 1922 C, 317, fig. 274.
Andrews, C. W. 1911 A, 162 (Dolichorhynchops).
1922 A, 297 (Dolichorhynchops).
Linder, H. 1913 A, 346, 402 (Dolichorhynchops).
Osborn, H. F. 1903 G, 701 (Dolichorhynchops).
1917 B, 208, fig.
1918 D, 684 (Dolichorhynchops).
Sternberg, C. H. 1909 C, 111, fig. 20 (Dolichorhynchops).
Watson, D. M. S. 1924 A, 914, fig. 12.
Williston, S. W. 1903 A, 12, 13, pls. i-iv, vi-xvii, xx; text-figs. 3, 5, 8, 12 (Dolichorhynchops).
1907 A, 480.
1908 C, 715 (Dolichorhynchops).
1914 A, 78, figs. 32, 36.
1914 D, 415, fig. 16.
1925 A, 39, 152, figs. 25, 125.
1925 B, 250, fig. 174.
Zittel and Broili 1923 A, 289, fig. 404.
Upper Cretaceous (Niobrara); Kansas.

ELASMOSAURIDÆ Cope.

Hay, O. P. 1902 A, 457.
Andrews, C. W. 1910 A, xiv, 77.
Baur, G. 1898 A, 148.
Gadow, H. 1901 B, 478.
Nopcsa, F. 1923 H, 66, 124, 195.
Nopcsa, F. 1928 A, 173 (Elasmosauridæ, Elasmosaurinæ).
Pravoslaylev, P. A. 1916 A, 328.
Williston, S. W. 1908 E, 727.
1925 A, 138.
1925 B, 250.

ELASMOSAURUS Cope. Type *E. platyurus* Cope.

Hay, O. P. 1902 A, 458.
Abel, O. 1912 F, 81.
1919 A, 500.
1922 C, 317.
Andrews, C. W. 1910 A, xvii.
Anonymous 1906 E, 411.
Bogolubow, N. N. 1912 A, 174.
Brown, B. 1913 C, 606.
Cope, E. D. 1880 U, 146.
Dollo, L. 1885 D, 633.
Dombrowsky, B. 1913 A, 5.
Gadow, H. 1901 B, 478.
Hoffman, C. K. 1890 B, 1305.
Leidy, J. 1870 C, 248.
Matthew, W. D. 1910 I, 247, fig.
Moodie, R. L. 1911 D, 97, pl. i.
Nopcsa, F. 1923 E, 1051.
1923 H, 64-66.
1925 A, 24.
1926 A, 657.

Osborn, H. F. 1917 B, 208, fig.
Perrier, E. 1920 A, 325.
Pompeckj, J. F. 1925 A, 17.
Pravoslavlev, P. A. 1916 A, 327, pl.
1918 A, 1955.
1918 B, 2325.
Pütter, A. 1923 A, 221.
Schuchert, C. 1915 A, 907, fig. 490.
Schuchert and Levene 1927 A, 306.
Seeley, H. G. 1877 A, 541.
Tornier, G. 1913 B, 346, fig. 17.
Watson, D. M. S. 1924 A, 886, 904, seq., fig. 1.
Williston, S. W. 1902 D, 242.
1902 F, 261.
1903 A, 9, 47, 67.
1906 B, 221, 223 ("plesiosaurs").
1914 A, 84, figs. 37, 39, 40.
1925 A, 58, 139, 153, figs. 48, 110, 126.
1925 B, 250.
Williston and Moodie 1917 A, 61.
Zittel and Broili 1911 A, 238.
1923 A, 288, fig. 401.
Zittel, Eastman, etc. 1902 A, 178.

Elasmosaurus intermedius Cope.

Hay, O. P. 1902 A, 458.
Pravoslavlev, P. A. 1918 A, 1963, 1968.
Williston, S. W. 1902 D, 242.
1903 A, 9.
1906 B, 227.
1908 C, 736.
Upper Cretaceous (Pierre); South Dakota.

Elasmosaurus ischiadicus Williston.

Williston, S. W. 1903 A, 10, 72, pls. x, xxvi (Polycotylus).
Abel, O. 1919 A, 502, fig. 397.
1922 C, 317, fig. 273.
Pravoslavlev, P. A. 1916 A, 333.
1918 A, 1962.
1918 B, 2325, 2330.
Williston, S. W. 1906 B, 231, pl. i; pl. ii, fig. 1.
1908 C, 736.
Upper Cretaceous (Niobrara); Kansas.

Elasmosaurus? marshi Williston.

Williston, S. W. 1906 B, 229, pl. ii, fig. 2; text-fig. 4.
Pravoslavlev, P. A. 1916 A, 333 (E. marschi).
1918 A, 1962.
1918 B, 2325, 2330.
Williston, S. W. 1908 C, 736.
Upper Cretaceous (Niobrara); Kansas.

Elasmosaurus nobilis Williston.

Williston, S. W. 1906 B, 232, pl. iv.
Pravoslavlev, P. A. 1916 A, 333.
1918 A, 1962.
1918 B, 2325, 2330.
Williston, S. W. 1908 C, 736.
Upper Cretaceous (Niobrara); Kansas.

Elasmosaurus orientalis Cope.

Hay, O. P. 1902 A, 458.
Pravoslavlev, P. A. 1918 B, 2325.
Williston, S. W. 1902 D, 242.
Williston, S. W. 1903 A, 9.
1906 B, 227.
1908 C, 736.
Upper Cretaceous (Navesink?); New Jersey.

Elasmosaurus platyurus Cope.

Hay, O. P. 1902 A, 458.
Abel, O. 1922 C, 316, fig. 272.
Ballou, W. H. 1897 A, 16, 23, fig.
Baur, G. 1897 D, 52.
Beard, J. C. 1901 B, 267, figure (E. platurus).
Matthew, W. D. 1903 F ("long-necked plesiosaur").
Osborn, H. F. 1904 F, 44 ("Elasmosaurus").
Pravoslavlev, P. A. 1916 A, 327.
1918 A, 1963, 1968, 1971.
1918 B, 2325.
Ruschenberger and Tryon 1879 A, 15, 92.
Watson, D. M. S. 1924 A, 886, fig. 1.
Williston, S. W. 1898 L, 28.
1902 D, 242.
1903 A, 9, pl. xix, fig. 4.
1906 B, 225.
1907 C, 736, fig. 33.
1914 A, 79.
Upper Cretaceous (Pierre); Kansas.

Elasmosaurus serpentinus Cope.

Hay, O. P. 1902 A, 458.
Pravoslavlev, P. A. 1916 A, 328.
1918 A, 1962.
1918 B, 2325, 2330.
Watson, D. M. S. 1924 A, 904, fig. 9.
Williston, S. W. 1902 D, 242.
1903 A, 9.
1906 B, 227.
1908 C, 736.
Williston and Moodie 1917 A, 62.
Upper Cretaceous (Niobrara); Nebraska, Wyoming.

Elasmosaurus snowii Williston.

Williston, S. W. 1906 B, 226, 228, pl. iii, fig. 3; text-figs. 2, 3.
Abel, O. 1922 C, 316, fig. 271.
Pravoslavlev, P. A. 1916 A, 333 (E. snowi).
1918 A, 1962.
1918 B, 2325, 2330.
Wieland, G. R. 1906 C, 820.
Williston, S. W. 1907 A, 481.
1908 C, 736.
Upper Cretaceous (Niobrara); Kansas.

Elasmosaurus sternbergi Williston.

Williston, S. W. 1906 B, 232.
Pravoslavlev, P. A. 1916 A.
1918 A, 1971.
1918 B, 2325, 2330.
Williston, S. W. 1908 C, 736.
Upper Cretaceous (Niobrara); Kansas.

Elasmosaurus sp. indet.

Hay, O. P. 1902 A, 458.
Watson, D. M. S. 1924 A, 906, fig. 10.
Williston, S. W. 1908 C, 736. Upper Cretaceous (Benton); Kansas.

OGMODIRUS Williston and Moodie. Type *O. martinii* Williston and Moodie.

Williston and Moodie 1913 A, 121 (March).
Nopcsa, F. 1923 H, 65 (Leurospondylus a syn.).
1928 A, 173.
Williston, S. W. 1925 B, 250 (Ogmodeirus).

Ogmodirus martinii Williston and Moodie.

Williston and Moodie 1917 A, 61, pls. i-iv; text-figs. 1, 2.
Moodie, R. L. 1916 D, 402, pl. i; text-figs. 1, 2, 4.
Upper Cretaceous (Niobrara); Kansas.

LEUROSPONDYLUS Brown. Type *L. ultimus* Brown.

Brown, B. 1913 C, 605, 606 (December).
Eastman, C. R. 1914 B, 689.
Knowlton, F. H. 1922 A, 38.
Nopcsa, F. 1923 H, 65 (Ogmodirus).
1928 A, 173.
Williston, S. W. 1925 B, 250.
Williston and Moodie 1917 A, 62.
Zittel and Broili 1923 A, 288.

Leurospondylus ultimus Brown.

Brown, B. 1913 C, 606, figs. 1-7.
1914 E, 366.
Lydekker, R. 1914 A, 644.
1915 C, 632.
Sternberg, C. M. 1926 A, 104.
Williston and Moodie 1917 A, 68, fig. 3 ("Leurospondylus").
Upper Cretaceous (Edmonton); Alberta.

BRACHAUCHENIIDÆ Williston.

Williston, S. W. 1908 E, 727.
1925 B, 251.

BRACHAUCHENIUS Williston. Type *B. lucasi* Williston.

Williston, S. W. 1903 A, 12.
Abel, O. 1919 A, 502.
Andrews, C. W. 1910 A, xv.
1913 A, 41.
Bogolubow, N. N. 1912 A, 174.
Brown, B. 1913 B, 606.
Linder, H. 1913 A, 344, 390.
Moodie, R. L. 1908 C, 320.
Nopcsa, F. 1923 E, 1056, fig. 9.
1923 H, 64, 65 (Brachyauchenias).
1928 A, 173 (Brachyauchenias).
Versluys, J. 1912 B, 672.
Williston, S. W. 1907 A, 477, pls. xxxv-xxxvii.
1925 B, 251.
Williston and Moodie 1917 A, 61.
Zittel and Broili 1911 A, 238.
1923 A, 289.

Brachauchenius lucasi Williston.

Williston, S. W. 1903 A, 12, 57, pls. xxiv, xxv.
Andrews, C. W. 1911 A, 162.
Lucas, F. A. 1903 D, 96, pl. xxviii.
Merrill, G. P. 1907 A, 64.
Williston, S. W. 1903 C, 980.
1907 A, 477, pl. xxxiv.
1908 C, 736.
Upper Cretaceous (Benton); Kansas, Texas.

BRIMOSAURUS Leidy. Type *B. grandis* Leidy.

Leidy, J. 1854 B, 72.
Hay, O. P. 1902 A, 458 (Cimoliasaurus, in part).
Williston, S. W. 1902 D, 242.
1903 A, 8.
1925 B, 251.

Brimosaurus grandis Leidy.

Leidy, J. 1854 B, pl. ii, figs. 1-3.
Hay, O. P. 1902 A, 459 (Cimoliasaurus).
Williston, S. W. 1902 D, 242.
1903 A, 8.
1908 C, 736.
Upper Cretaceous (Benton?); Arkansas.

CIMOLIASAURUS Leidy. Type *C. magnus* Leidy.

Hay, O. P. 1902 A, 458.
Abel, O. 1912 F, 666.
Andrews, C. W. 1910 A, xv (Cimoliosaurus).
Bogolubow, N. N. 1912 A, 174.
Brown, B. 1913 C, 606.
Case, E. C. 1898 C, 716.
Eimer, G. H. T. 1901 A, 21, 236.
Frassetto, F. 1915 A, 53, fig. 29.
Gadow, H. 1901 B, 478.
Koken and Linder 1913 A, 114 (Cimoliosaurus).
Linder, H. 1913 A, 404 (Cimoliosaurus).
Lydekker, R. 1912 C, 105 (Cimoliosaurus).
Mehl, M. G. 1912 B, 350 (Cimoliosaurus).
Nopcsa, F. 1923 E, 1051 (Cimoliosaurus).
Osburn, R. C. 1906 A, 450 (Cimoliosaurus).
Schuchert, C. 1918 B, 259.
Sternberg, C. H. 1917 A, 117.
Williston, S. W. 1902 D, 242.
1903 A, 7, pl. xviii, figs. 3, 4.
1904 B, 185, text-fig. 16.
1906 B, 221.
1925 B, 251 (Cimoliosaurus).

Cimoliasaurus laramiensis Knight.

Hay, O. P. 1902 A, 459.
Lydekker, R. 1913 A, 16 (This genus?).
Mehl, M. G. 1912 B, 350 (Tricleidus?).
Williston, S. W. 1902 D, 242.

Williston, S. W. 1903 A, 7.
1905 B, 341.
1908 C, 736.
Upper Jurassic (Sundance); Wyoming.

Cimoliasaurus magnus Leidy.

Hay, O. P. 1902 A, 459.
Ballou, W. H. 1897 A, 23.
Bowen, C. F. 1915 A, 120, 149, 150.
Brown, B, 1914 E, 378.
Hatcher, J. B. 1905 B, 71.
Lambe, L. M. 1902 A, 32.
1904 C, 22, 37, 47.
Mehl, M. G. 1912 B, 350.
Osborn, H. F. 1902 I, 11, 16.
Williston, S. W. 1902 D, 242.
1903 A, 7.
1908 C, 736.
Upper Cretaceous (Greensand); New Jersey: (Belly River); Alberta.

Cimoliasaurus snowii Williston.

Hay, O. P. 1902 A, 459.
Linder, H. 1913 A, 346 (Cimoliosaurus).
Moodie, R. L. 1918 B, 384.
1923 B, 325.
Williston, S. W. 1902 D, 242.
1903 A, 7, 52, pl. v, fig. 5; text-fig. 13.
Upper Cretaceous (Niobrara); Kansas.

Cimoliasaurus sp. indet.

Hay, O. P. 1902 A, 459. Cretaceous; Kansas.
Hill, R. T. 1901 A, 328 (This genus?). Lower Cretaceous (Eagle Ford); Texas.
Sternberg, C. H. 1915 A, 132 (Cimoliosaurus. This genus?). Upper Cretaceous (Judith River); Montana.

DISCOSAURUS Leidy. Type *D. vetustus* Leidy.

Leidy, J. 1851 G, 326.
Hay, O. P. 1902 A, 459 (Cimoliasaurus, in part).
Mehl, M. G. 1912 B, 350.
Williston, S. W. 1902 D, 242.
1903 A, 8.

Discosaurus planior Leidy.

Hay, O. P. 1902 A, 459 (Cimoliasaurus).
Williston, S. W. 1902 D, 242 (Cimoliasaurus).
Williston, S. W. 1903 A, 7 (Cimoliasaurus).
1908 C, 736.
Upper Cretaceous; Mississippi, New Jersey.

Discosaurus vetustus Leidy.

Hay, O. P. 1902 A, 459 (Cimoliasaurus).
Williston, S. W. 1902 D, 242.
1903 A, 8.
Upper Cretaceous; New Jersey, Alabama.

PLESIOSAURIA OF UNCERTAIN FAMILY POSITIONS.

EMBAPHIAS Cope. Type *E. circulosus* Cope.

Hay, O. P. 1902 A, 459.
Williston, S. W. 1902 D, 242.
1903 A, 12.
1925 B, 251.

Embaphias circulosus Cope.

Hay, O. P. 1902 A, 459.
Williston, S. W. 1902 D, 242.
1903 A, 12.
1908 C, 736.
Williston and Moodie 1917 A, 71, pl. v.
Upper Cretaceous (Pierre); South Dakota.

MEGALNEUSAURUS Knight. Type *Cimoliosaurus rex* Knight.

Hay, O. P. 1902 A, 457.
Mehl, M. G. 1912 B, 348.
Williston, S. W. 1902 D, 242.
1903 A, 12.
1925 B, 251.
Zittel and Broili 1911 A, 238.
Zittel, Eastman, etc. 1902 A, 178.

Megalneusaurus rex Knight.

Hay, O. P. 1902 A, 457.
Gilmore, C. W. 1907 B, 193.
Williston, S. W. 1902 D, 242.
1903 A, 12.
1905 B, 341.
1908 C, 736.
Upper Jurassic (Sundance); Wyoming.

MURÆNOSAURUS Seeley. Type *M. leedsii* Seeley.

Seeley, H. G. 1874 B, 197, pl. xxi.
Andrews, C. W. 1896 B, 145, fig.
1909 B, 418.
1910 A, 4, 77.
1911 B, 311.
Broili and Fischer 1917 A, 408, fig. 13.
Lydekker, R. 1889 F, 180, 234 (Syn. of Cimoliosaurus).
Mehl, M. G. 1912 B, 344.
Nopcsa, F. 1928 A, 173.
Pravoslavlev, P. 1916 A, 328.
Seeley, H. G. 1874 A, 448, fig. 13.
1874 D, 197, pl. xxi.
Watson, D. M. S. 1924 A, 901.
Zittel and Broili 1911 A, 236.
1923 A, 287.

Murænosaurus? reedii Mehl.

Mehl, M. G. 1912 B, 344, figs. 1, 3 (This genus?).
Jurassic; Wyoming.

TAPHROSAURUS Cope. Type *T. lockwoodi* Cope.

Hay, O. P. 1902 A, 456 (Plesiosaurus in part).
Williston, S. W. 1903 A, 10.
1925 B, 251.

Taphrosaurus lockwoodi Cope.

Hay, O. P. 1902 A, 456 (Plesiosaurus).
Williston, S. W. 1902 D, 241 (Plesiosaurus).
1903 A, 10.
1908 C, 736.
Upper Cretaceous; New Jersey.

URONAUTES Cope. Type *U. cetiformis* Cope.

Hay, O. P. 1902 A, 457.
Williston, S. W. 1902 D, 242.
1903 A, 11.
1925 B, 252.

Uronautes cetiformis Cope.

Hay, O. P. 1902 A, 457.
Bowen, C. F. 1915 A, 120.
Hatcher, J. B. 1905 B, 72 (Uronaites).
Osborn, H. F. 1902 I, 11.

Williston, S. W. 1902 D, 242.
1903 A, 11.
1908 C, 736.
Upper Cretaceous (Judith River); Montana.

Uronautes sp. indet.

Hay, O. P. 1902 A, 457.
Williston, S. W. 1903 A, 11. Upper Cretaceous (Fox Hills); New Mexico.

OLIGOSIMUS Leidy. Type *O. grandævus* Leidy.

Hay, O. P. 1902 A, 459.
Williston, S. W. 1902 D, 242.
1903 A, 10.
1925 B, 251.

Oligosimus grandævus Leidy.

Hay, O. P. 1902 A, 459.
Merrill, G. P. 1907 A, 74.
Williston, S. W. 1902 D, 242.
1903 A, 10.
1908 C, 736 (O. primævus).
Horizon indefinite; Wyoming.

OROPHOSAURUS Cope. Type *O. pauciporus* Cope.

Hay, O. P. 1902 A, 459.
Williston, S. W. 1902 D, 242.
1903 A, 11.
1925 B, 251.

Orophosaurus pauciporus Cope.

Hay, O. P. 1902 A, 459.
Williston, S. W. 1902 D, 242.
1903 A, 11.
1908 C, 736 (Ophrosaurus).
Upper Cretaceous (Fox Hills); New Mexico.

PANTOSAURUS Marsh. Type *Parasaurus striatus* Marsh.

Hay, O. P. 1902 A, 456.
Williston, S. W. 1902 D, 242.
1903 A, 12.
1925 B, 251.

Pantosaurus striatus Marsh.

Hay, O. P. 1902 A, 456.
Dames, W. 1898 B, 142.

Mehl, M. G. 1912 B, 348.
Williston, S. W. 1902 A, 12.
1902 D, 242.
1905 B, 341.
1906 B, 221.
1908 C, 736.
Upper Jurassic (Sundance); Wyoming.

PIPTOMERUS Cope. Type *P. megalaporus* Cope.

Hay, O. P. 1902 A, 457.
Williston, S. W. 1902 D, 243.
1903 A, 11.
1925 B, 251.

Piptomerus hexagonus Cope.

Hay, O. P. 1902 A, 457.
Williston, S. W. 1902 D, 242.
1903 A, 11.
1908 C, 736.
Upper Cretaceous (Fox Hills); New Mexico.

Piptomerus megaloporus Cope.

Hay, O. P. 1902 A, 457.
Williston, S. W. 1902 D, 242.
1903 A, 11.
1908 C, 736.
Upper Cretaceous (Fox Hills); New Mexico.

Piptomerus microporus Cope.

Hay, O. P. 1902 A, 457.
Williston, S. W. 1902 D, 242.
1903 A, 11.
1908 C, 736.
Upper Cretaceous (Fox Hills); New Mexico.

PIRATOSAURUS Leidy. Type *P. plicatus* Leidy.

Hay, O. P. 1902 A, 456.
Williston, S. W. 1903 A, 10.
1908 C, 735.
1925 B, 250.

Piratosaurus plicatus Leidy.

Hay, O. P. 1902 A, 456.
Merrill, G. P. 1907 A, 75.
Williston, S. W. 1903 A, 10.
1908 C, 736.
Upper Cretaceous; Manitoba.

ISCHYROTHERIUM Leidy. Type *I. antiquum* Leidy.

Hay, O. P. 1902 A, 461.
Palmer, T. S. 1904 A, 352, 948.
Stanton and Hatcher 1905 A, 38.

Ischyrotherium antiquum Leidy.

Hay, O. P. 1902 A, 461.
Bowen, C. F. 1915 A, 120, 149 (Ischyrosaurus).
Cope, E. D. 1874 B, 433 (Ischyrosaurus).
Dollo, L. 1889 G, 674.
Hatcher, J. B. 1905 B, 72 (This species?).
Osborn, H. F. 1902 H, 674 (Ischyrosaurus).
1902 I, 11, 16 (Ischyrosaurus).
Parks, W. A. 1927 A, 10.
Peale, A. C. 1912 A, 754.
Stromer, E. 1910 B, 482.
Upper Cretaceous (Judith River); Montana: (Pierre?); South Dakota?: (Lance); Wyoming.

Order ICHTHYOSAURIA Blainville.

Blainville, H. M. D. 1835 A, 271.
Hay, O. P. 1902 A, 461.
Abel, O. 1901 B, 316 ("ichthyosaurier").
1904 B, 741.
1905 B, 202, 204.
1907 A, 226 (Ichthyopterygia).
1908 G, (42) ("ichthyosaurier").
1909 F, 465 ("ichthyosaurier").
1910 B, (186).
1912 F, 119, 468, 526, 679 ("ichthyosaurier").
1914 C, 341 ("ichthyosaurier").
1919 A, 453.
1920 A, 372.
1921 A, 145, 165, 203, 298 ("ichthyosaurier").
1923 B, 271 (Longipinnati, Latipinnati).
1925 A, 149 ("ichthyosaurier").
Agassiz, L. 1844 D, 137 ("ichthyosaures").
Ahlborn, F. 1896 B, 2.
Andrews, C. W. 1910 A, x, xii (Ichthyosauria); 1 (Ichthyopterygia).
Anonymous 1908 D, 349.
Arldt, T. 1907 D, 660.
Arthaber, G. 1906 A, 307 ("ichthyosaurier").
Bauer, F. 1901 A, 46 (Ichthyopterygia).
Baur, G. 1889 L, 312.
Beddard, F. E. 1900 A, 20.
Boas, J. E. V. 1914 B, 560 ("ichthyosaurier").
1914 C, 280 ("ichthyosauren").
Böker, H. 1927 A, 38 ("ichthyosaurier").
Boule, M. 1902 B, 905 ("ichthyosaures").
Boulenger, G. A. 1904 C, 480.
1917 C, 456 ("ichthyosauriens").
1917 D, 1045 ("ichthyosaures").
Branca, W. 1908 A ("ichthyosauren").
1908 C, 392 ("ichthyosauren").
Brandt, J. F. 1865 A, 17 (Ichthyopterygia).
Brauer, A. 1908 A, 88 ("ichthyosaurier").
Brauns, D. 1890 A, 161, 187, 202.
Broili, F. 1909 A, 295 ("ichthyosaurier").
1916 A, 487 ("ichthyosaurier").
1920 A, 320 ("ichthyosaurier").
Bronn, H. G. 1849 A, 845, seq. ("ichthyosauren").
Broom, R. 1901 A, 188.
1902 D, 554.
1903 I, 554.
Broom, R. 1904 C, 111 ("ichthyosaurs").
1922 A, 17, 22, 25.
1924 B, 64, fig. 13.
1924 C, 75.
Bryant, H. C. 1914 B, 155.
Camp, C. L. 1923 A, 348 ("ichthyosaurs").
Carus, V. 1875 A, 413 (Ichthyopterygia).
Case, E. C. 1898 C, 711.
1905 E, 180 ("ichthyosaurs").
1923 A, 517 (Ichthyopterygia).
Cope, E. D. 1891 N, 35, 40, fig. 19 (Ichthyopterygia).
Cunningham, J. T. 1897 A, 493 ("ichthyosaurians").
Dabelow, A. 1926 A, 95 ("ichthyosaurier").
Day, H. 1915 A, 428.
Döderlein, L. 1900 A, 334.
Dollo, L. 1883 G, 594.
1885 C, 322.
1896 A.
1899 A, 203 ("ichthyosaures").
1904 A, 221 ("ichthyosauriens").
1906 A, 441 ("ichthyosaures").
1907 C, 157 ("ichthyosauriens").
1919 A, 30 ("ichthyosauriens").
Emery, C. 1897 D, 601 ("ichthyosaurier").
Fraas, E. 1905 B, 368.
1913 C, 1 ("ichthyosaurier").
Frech, F. 1906 A, 496 ("ichthyosaurier").
Fuchs, H. 1909 B, 114, 141.
1911 B.
Fürbringer, M. 1902 B, 727 ("ichthyosaurier").
1904 A.
Gadow, H. 1901 B, 478 (Ichthyosauria); 483 (suborder Ichthyosauri).
1902 B, 359.
Gegenbaur, C. 1870 A, 332 ("ichthyosaurier").
Gervais, P. 1852 A, 269 ("ichthyosauriens").
1853 B, 35 ("ichthyosaures").
1859 A, 481 ("ichthysauriens").
Goodrich, E. S. 1916 A, 263.
Greene, J. R. 1861 A, 219, 225 (Ichthyopterygia).
Gregory, W. K. 1917 C, 975 ("ichthyosaurs").
Haeckel, E. 1868 A, 455.
1873 A, 512.

Heilprin, A. 1887 A, 162, 172.
Hilzheimer, M. 1913 A, 513 ("ichthyosaurier").
Hoernes, R. 1886 A, 595 (Ichthyopterygia).
1912 A, 661.
Hoffmann, C. K. 1890 B, 1302 (Ichthyosauri).
Howes, G. B. 1893 C, 586.
Howes and Swinnerton 1901 A, 2, 29.
Hubrecht, A. A. W. 1908 A, 153 (Ichthyopterygia).
Huene, F. 1902 A, 10 ("ichthyopterygier").
1903 A, 441 ("ichthyosaurier").
1910 B, 45 ("ichthyosaurier").
1914 G, 47 ("ichthyosaurier").
1914 J, lxxxix ("ichthyosaurier").
1920 B, 206 ("ichthyosaurier").
1922 B ("ichthyosaurier").
1923 C, 463 (Ichthyopterygia).
1923 D, 265 ("ichthyosaurier").
1925 A, 90 ("ichthyosaurier").
1925 D, 233 ("ichthyosaurier"); 238 (Ichthyopterygia).
1925 F, 234 ("ichthyosaurier").
1926 A, 260, 266.
1926 C, 66, 81.
1926 I, 78 ("ichthyopterygier").
1927 A, 22 ("ichthyosaurier").
Huxley, T. H. 1862 A, xlviii.
1863 F, 529.
Jaekel, O. 1904 A, 27, 34 ("ichthyosaurier").
1905 B, 62 ("ichthyosaurier").
1908 B, 464 ("ichthyosaurier").
1910 C, 325, 334 (Ichthyosauri).
1910 D, 113 (Enaliosauria).
1911 A, 140 (Ichthyosauri).
1912 A, 619 ("ichthyosaurier").
1922 B, 120 ("ichthyosaurier").
1926 F, 62 ("ichthyosaurier").
Kingsley, J. S. 1912 B, 92 ("ichthyosaurs").
1925 A, 253 (Ichthyopterygia).
Knipe, H. R. 1912 A, 79, fig.
Koken, E. 1893 B, 353 ("ichthyosaurier").
1901 B, 221 ("ichthyosaurier").
Larger, R. 1913 A, 721 ("ichthyosaure").
Lavocat, A. 1885 A, 34 ("ichthyosaures").
Leunis and Ludwig 1883 A, 598.
Lucas, F. A. 1902 B, 136 ("ichthyosaurs").
Lull, R. S. 1917 B, 322, 330, 710.
Lydekker, R. 1912 C, 4, 27, 103, 133, 136 (Ichthyopterygia).
1915 C, 626 ("ichthyosaurs").
McGregor, J. H. 1901 A, 272.
1902 A, 27.
1905 A, 295.
1906 A, 88 (Ichthyopterygia).
Matthew, W. D. 1921 D, 211 ("ichthyosaurs").
Mehl, M. G. 1928 B, 19.
Merriam, J. C. 1903 D, 311.
1904 B, 218 (Latipinnati, Longipinnati).
1905 A, 33 ("ichthyosaurs").
1908 B, 659 ("ichthyosaurs").
1908 C, 12, 89.
1912 B, 221 ("ichthyosaurs").
1915 G, 97 ("ichthyosaurs").
Newton, E. T. 1900 A, 645.
Noack, T. 1880 A, 76 ("ichthyosaurier").
Nopcsa, F. 1922 A, 112, 116 ("ichthyosaurier").
1923 B, 357 ("ichthyosaurier").
Nopcsa, F. 1923 H, 1-165 (Ichthyosauria); 113, 121, 127, 171 (Ichthyopterygia).
1926 A, 651.
1928 A, 168.
Osborn, H. F. 1903 D, 313 ("ichthyosaurs").
1903 H, 454, 456, 504.
1904 D, 218.
1904 H, 113.
1904 N, 308.
1905 C, 295.
1905 M, 414 ("ichthyosaurs").
1911 C, 589, pl. i ("ichthyosaurs").
1917 B, 201.
1917 D, 660 ("ichthyosaurs").
Osburn, R. C. 1906 A, 447 ("ichthyosaurs").
Owen, R. 1845 B, 275 (Ichthyosauri).
1868 A, 886.
Palacký, J. 1902 B, 141 ("ichthyosaurier").
Parker and Haswell 1897 A, 314 (Ichthyopterygia).
Perrier, E. 1920 A, 324 ("ichthyoptérygiens").
Pompeckj, J. F. 1925 A, 6, 9 ("ichthyosaurier").
1926 B, 62 ("ichthyosaurier").
Pycraft, W. P. 1909 A, 205.
Rabl, C. 1901 A, 520 ("ichthyosauren").
1903 A, 155 ("ichthyosaurier").
Reynolds, S. H. 1897 A, 195, 272, 275, 276, 277, 286, 287, fig. 32.
Ridewood, W. G. 1897 D, 190 (Ichthyopterygia).
Rogenhofer, A. 1908 A (38) ("ichthyosaurier").
Ryder, J. 1887 A, 346 ("ichthyosaurs").
1887 B, 438.
Sabatier, A. 1902 A, 100 ("ictyosaures").
Schuchert, C. 1915 A, 856.
Seeley, H. G. 1887 D, 338 (Icthyopterygia).
1908 A, 436.
1908 E, 441.
Semon, R. 1901 B, 130 ("ichthyosaurier").
Sewertzoff, A. N. 1908 A.
Steinmann, G. 1900 A, 280.
1907 A, 441.
1908 A, 235-237.
1909 A, 86.
1912 A, 49 ("ichthyosaurier").
1912 B, 718, 721.
Sterling, S. 1910 C, 667 ("ichthyosaurier").
Stromer, E. 1908 B, 170.
1912 A, 103, 126.
Sushkin, P. P. 1925 A, 180.
1927 A, 320 ("ichthyosaurs").
Symington, J. 1905 A, 109.
Terra, P. 1911 A, 235 (Ichthyosaurii).
Thevenin, A. 1910 A, 59 ("ichthyoptérygiens").
Thilenius, G. 1897 A, 484 ("ichthyopterygier").
Tornier, G. 1913 B, 350, 374.
Versluys, J. 1912 A, 501 ("ichthyosaurier").
1912 B, 550, 573, 654, 687.
1919 A, 18, 24.
Vogt, C. 1879 A, 243 ("ichthyosaures").
Watson, D. M. S. 1912 B, 584.
1913 D, 27 ("ichthyosaurs").
1917 C, 178.
Wegner, R. N. 1922 A, 480.
Wilckens, O. 1911 A, 710 ("ichthyosaurier").
Williston, S. W. 1902 F, 263 ("ichthyosaurs").
1904 B, 176.

Williston, S. W. 1908 A, 148.
1909 A, 394 ("ichthyosaurs").
1912 B, 651.
1912 E, 259 ("ichthyosaurs").
1914 A, 17, 45, 107.
1914 D, 391, 399.
1917 C, 416 (Ichthyosauria); 414, 416 (Parapsida, in part).
1918 A, 79.
1925 A, *passim*.
1925 B, 212, 255.
Wiman, C. 1912 A, 235 ("ichthyosaurier").
1921 A, 19.
1922 A, 119 ("ichthyosaurier").
Wiman, C. 1923 B, 272 ("ichthyosaurier").
Woodward, A. S. 1898 E, 330.
1904 D, 144 (Ichthyopterygia).
1909 A, 325 ("ichthyosaurs").
1910 B, 465, 469.
1917 C, 540 ("ichthyosaurs").
1922 C, 37.
1923 A, 31.
Woodward, H. 1904 B, 144 (Ichthyopterygia).
Yakowlew, N. 1903 A, 265 ("ichthyosaurier").
Zittel and Broili 1911 A, 220.
1923 A, 268, 383.
Zittel, Eastman, etc. 1902 A, 165.

MIXOSAURIDÆ Baur.

Baur, G. 1887 D, 839, 840.
Huene, F. 1923 C, 465 (Latipinnatidæ).
Merriam, J. C. 1908 C, 89.
Nopcsa, F. 1928 A, 168 (Mixosaurinæ).
Watson, D. M. S. 1917 C, 178.
Zittel and Broili 1911 A, 228.
1923 A, 276.

MIXOSAURINÆ.

Merriam, J. C. 1908 C, 89.
Nopcsa, F. 1923 H, 27, 121.
Watson, D. M. S. 1917 C, 179.

MIXOSAURUS Baur. Type *Ichthyosaurus cornalianus* Bassini.

Baur, G. 1887, Ber. Oberrh. Geol. Ver., xx, 19.
Abel, O. 1919 A, 461, 464, 474, 904, figs. 360, 365, 366, 376, 377.
Broom, R. 1921 A, 154.
Huene, F. 1916 A, 3, 36, pls. 1-3; text-figs. 37-54, 87, 88.
1922 B, 70, 71, pl. xx, fig. 6.
1923 D, 267.
Huene, F. 1925 E, 289, figs. 1-3.
Merriam, J. C. 1908 C, *passim*, 94.
1910 B, 389.
1911 C, 318.
Nopcsa, F. 1923 H, 26, 27, 29.
1928 A, 168.
Watson, D. M. S. 1917 C, 179.
Wiman, C. 1912 A, 234.

SHASTASAURIDÆ Merriam.

Merriam, J. C. 1902 A, 87.
1903 A, 252.
Nopcsa, F. 1928 A, 168 (Shastasaurinæ).
Williston, S. W. 1925 B, 256 (Shastosauridæ).
Zittel and Broili 1923 A, 276 (Mixosauridæ).

SHASTASAURINÆ Merriam.

Merriam, J. C. 1908 C, 89.
Nopcsa, F. 1923 H, 27, 121.
Watson, D. M. S. 1917 C, 179.

PHALARODON Merriam, J. C. Type *P. fraasi* Merriam.

Merriam, J. C. 1910 B, 382.
Huene, F. 1916 A, 21.
1922 B, 70, 71 (Mixosaurus).
Merriam, J. C. 1911 C, 325, 326.
Nopcsa, F. 1923 H, 76.
1928 A, 168.
Williston, S. W. 1925 B, 256.
Wiman, C. 1916 A, 66.
1923 B, 272, figs. 1, 2.
Zittel and Broili 1911 A, 228.
1923 A, 277.

Phalarodon fraasi Merriam, J. C.

Merriam, J. C. 1910 B, 382, pl. xl; text-figs. 1-3.
Huene, F. 1916 A, 21, 53, 65, text-fig. 85.
Wiman, C. 1916 A, 66.
Middle Triassic; Nevada.

CYMBOSPONDYLUS Leidy. Type *C. piscosus* Leidy.

Hay, O. P. 1902 A, 463 (Cymbospondylus, Chonespondylus).
Abel, O. 1919 A, 473.
Andrews, C. W. 1910 A, xi.
Broili, F. 1916 A, 476-494.
Broom, R. 1922 A, 24.
Huene, F. 1914 J, lxxxix.
1916 A, 21, 22, 36, 43, 47, pls. v, vi; text-figs. 37-47, 71, 76-81.
1922 B, 76.
Huene, F. 1923 C, 465, 466.
1923 D, 267.
1925 H, 413.
Merriam, J. C. 1902 A, 64, 104, 107 (Chonespondylus a syn?).
1903 A, 251.
1908 C, 21, 103.
1910 B, 389.
Nopcsa, F. 1923 H, 27, 29, 162.
1926 A, 638.

Nopcsa, F. 1928 A, 168.
Osborn, H. F. 1902 H, 749.
1917 B, 311, figs.
Pompeckj, J. F. 1925 A, 13.
Watson, D. M. S. 1917 C, 179.
Williston, S. W. 1925 A, 103, 112, fig. 80.
1925 B, 256, fig. 178.
Wiman, C. 1910 B, 126 (This genus?).
Zittel and Broili 1911 A, 228.
1923 A, 277.

Cymbospondylus natans Merriam.

Merriam, J. C. 1908 C, 150, pl. x, fig. 1; pl. xiii, fig. 1; text-figs. 44, 152. (This genus?).
Fraas, E. 1911 A, 485.
Huene, F. 1916 A, 64.
Merriam, J. C. 1911 C, 319 (Cymbospondylus?); 326 (Mixosaurus?).
Wiman, C. 1910 B, 129.
1916 A, 66 (This genus?).
Triassic (Middle); Nevada.

Cymbospondylus nevadanus Merriam.

Merriam, J. C. 1908 C, 124, pl. xiii, figs. 2-4; text-figs. 138.
Wiman, C. 1910 B, 129.
Triassic (Middle); Nevada.

Cymbospondylus petrinus Leidy.

Hay, O. P. 1902 A, 463 (C. petrinus, Chonespondylus grandis).
Abel, O. 1925 A, 163, fig. 104.
Broili, F. 1916 A, 483, fig. 2.
Camp, C. L. 1923 A, 348.
Fraas, E. 1911 A, 485.
Huene, F. 1916 A, 45, figs. 74, 89, 90.
1926 C, 85.
Merriam, J. C. 1902 A, 106, pl. xvi, figs. 4, 5.
1905 A, 34.
1908 C, 11, 104, pls. ii-vi; pl. vii, fig. 1; pls. viii, ix; pl. x, figs. 2-8; pls. xi, xii; 36 text-figs. (Chonespondylus grandis a syn).
1915 G, 96, pl. x.
Versluys, J. 1919 A, 18, fig. 17.
Williston, S. W. 1918 A, 79, fig. 3.
Wiman, C. 1910 B, 129.
1912 A, 237.
1916 A, 67.
1921 A, 22.
Triassic (Middle); Nevada.

Cymbospondylus piscosus Leidy.

Hay, O. P. 1902 A, 463.
Merriam, J. C. 1902 A, 104, pl. xvi, figs. 1, 2.
1908 C, 123, figs. 136, 137.
Wiman, C. 1910 B, 129.
Triassic (Middle); Nevada.

Cymbospondylus sp. indet.

Abel, O. 1919 A, 475, fig. 378.

Merriamia Boulenger. Type *Leptocheirus zitteli* Merriam.

Boulenger, G. A. 1904 B, 425 (To replace "Leptochirus," preoccupied).
Abel, O. 1912 F, 144.
1919 A, 473.
Huene, F. 1916 A, 47, 52, fig. 84.
1923 C, 466.
1925 H, 417.
Lydekker, R. 1912 C, 134.
Merriam, J. C. 1903 A, 250, 253 (Leptocheirus, type L. zitteli).
1905 C, 23.
1908 C, 12, 129.
Nopcsa, F. 1923 H, 26 (Merriana).
1928 A, 168.
Osburn, R. C. 1906 A, 453.
Watson, D. M. S. 1917 C, 179.
Williston, S. W. 1903 D, 516 (Leptocheirus).
1914 A, 118, fig. 57.
Wiman, C. 1916 A, 71.
Zittel and Broili 1911 A, 228.
1923 A, 277.

Merriamia zitteli (Merriam).

Merriam, J. C. 1903 A, 250, 253, pls. xxi-xxiii (Leptocheirus).
Abel, O. 1912 F, 144, fig. 84.
1919 A, 462, fig. 361.
Lull, R. S. 1917 B, 330, fig. 68.
Merriam, J. C. 1908 C, 129, figs. 8, 79, 92, 99, 140-142.
Nopcsa, F. 1926 A, 653, text-fig. 6 (Merriana).
Upper Triassic (Hosselkus); California.

Toretocnemus Merriam.

Merriam, J. C. 1903 A, 250, 251, 259.
Abel, O. 1912 F, 144.
Broili, F. 1916 A, 491.
Huene, F. 1916 A, 35, 47.
1922 B, 73, 77.
1923 C, 466.
1923 D, 267.
Merriam, J. C. 1903 D, 312.
1905 C, 23.
1908 C, 12, 127.
Nopcsa, F. 1923 H, 26, 27, 29.
1928 A, 168.
Osburn, R. C. 1906 A, 453.
Watson, D. M. S. 1917 C, 179.
Williston, S. W. 1903 D, 516 (Torotecnemus).
1925 B, 256.
Wiman, C. 1916 A, 71.
Zittel and Broili 1911 A, 228.
1923 A, 277.

Toretocnemus californicus Merriam.

Merriam, J. C. 1903 A, 250, 260, pl. xxiv.
Huene, F. 1916 A, 35.
1922 B, 77, pl. xx, figs. 1-4.
Merriam, J. C. 1908 C, 128, pl. xiv, fig. 4; text-figs. 59, 69, 98, 139.
Osburn, R. C. 1906 A, pl. vii, fig. 6.
Upper Triassic (Hosselkus); California.

DELPHINOSAURUS Merriam. Type *Shastasaurus perrini* Merriam.

Merriam, J. C. 1905 C, 24.
Broili, F. 1916 A, 489.
Huene, F. 1916 A, 35, 38, 47.
1925 H, 413.
Merriam, J. C. 1905 A, 34.
1905 G, 404 (Shastasaurus).
1908 C, 11, 131.
Nopcsa, F. 1923 E, 1051.
1923 H, 27.
Watson, D. M. S. 1917 C, 179.
Williston, S. W. 1925 B, 256.
Wiman, C. 1916 A, 71.

Delphinosaurus perrini Merriam.

Merriam, J. C. 1902 A, 69, 89, pls. v-vii (Shastasaurus).
Fraas, E. 1911 A, 485.
Huene, F. 1926 C, 85, fig. 8.
Merriam, J. C. 1903 A, 250 (Shastasaurus).
1905 C, 24, fig. 3.
1908 C, 131, pl. vii, figs. 2, 3; pl. xiv, figs. 1-3; pl. xvii, fig. 2; 15 text-figs.
Osburn, R. C. 1906 A, 461, pl. vii, fig. 3.
Wiman, C. 1910 B, 138.
1921 A, 22.
Triassic (Hosselkus); California.

SHASTASAURUS Merriam. Type *S. pacificus* Merriam.

Merriam, J. C. 1902 A, 64, 69.
Hay, O. P. 1902 A, 463.
Abel, O. 1919 A, 474.
1928 A, 369.
Andrews, C. W. 1910 A, xi, xiii.
Boulenger, G. A. 1904 B, 425.
Broili, F. 1916 A, 477-492.
Gilmore, C. W. 1905 A, 107.
Huene, F. 1902 A, 10.
1914 J, lxxxix.
1916 A, 21, 29, 37, 47, pl. viii; text-figs. 48-51, 53-54.
1922 B, 77, 82.
1922 D, 279.
1923 C, 466.
1925 H, 412.
Lucas, F. A. 1902 B, 138.
McGregor, J. H. 1906 A, 91.
Merriam, J. C. 1902 B, 411.
1903 A, 250, 251.
1903 D, 311.
1905 A, 34.
1908 A, 217.
1908 C, 11, 21, 137.
Nopcsa, F. 1923 E, 1051.
1923 H, 26, 27.
1928 A, 168.
Osborn, H. F. 1902 H, 749.
1905 L, 563 (Shastosaurus).
1905 M, 414.
Osburn, R. C. 1906 A, 461.
Philippi, Frech and Volz 1903 A, 15 (Schastasaurus).
Watson, D. M. S. 1917 C, 179.
Williston, S. W. 1903 A, 36.
1903 D, 515
Wiman, C. 1916 A, 68.
Yakowlew, N. 1903 A, 265 (Schastasaurus).
Zittel and Broili 1911 A, 228.
1923 A, 277.
Zittel, Eastman, etc. 1902 A, 171.

Shastasaurus alexandræ Merriam.

Merriam, J. C. 1902 A, 69, 96, pls. xii, xiii; text-fig. 2.
Andrews, C. W. 1910 A, 47.
Merriam, J. C. 1905 C, 24.
1908 C, 142.
Triassic (Hosselkus); California.

Shastasaurus altispinus Merriam.

Merriam, J. C. 1902 A, 69, 99, pl. xiv, fig. 5; pl. xv.
Huene, F. 1916 A, 32, text-figs. 55, 64.
1925 H, 412 (S. altispinax).
Merriam, J. C. 1908 C, 144, pl. xviii, figs. 1-4; text-figs. 33, 66, 149.
Triassic (Hosselkus); California.

Shastasaurus careyi Merriam.

Merriam, J. C. 1902 A, 69, 98, pl. xvi, figs. 3-4.
1908 C, 145, pl. xv, fig. 2; pl. xviii, figs. 5, 6; text-figs. 29, 95 (This species?).
Triassic (Hosselkus); California.

Shastasaurus osmonti Merriam.

Merriam, J. C. 1902 A, 69, 93, pls. viii-xi.
Andrews, C. W. 1910 A, 47.
Huene, F. 1916 A, 45, figs. 73, 91.
1926 C, 85.
Merriam, J. C. 1905 C, 23, fig. 4.
1908 C, 30, 138, pl. xv, figs. 1, 34; pl. xvii, fig. 1; 12 text-figs.
Osburn, R. C. 1906 A, pl. vii, fig. 4.
Wiman, C. 1910 B, 138.
1916 A, 68, fig. 3.
1921 A, 22.
1923 B, 272.
Triassic (Hosselkus); California.

Shastasaurus pacificus Merriam.

Merriam, J. C. 1902 A, 102, pl. xiv, figs. 1, 2; text-fig. 1.
Hay, O. P. 1902 A, 463.
Huene, F. 1916 A, 31, 47, text-fig. 52.
Merriam, J. C. 1908 C, 143, pl. xvii, fig. 3; text-fig. 148.
Smith, J. P. 1894 A, 608 (Nothosaurus sp.?).
Wiman, C. 1910 B, 125.
1921 A, 22.
Triassic (Hosselkus); California.

OPHTHALMOSAURIDÆ Andrews.

Andrews, C. W. 1910 A, 2.
Hay, O. P. 1902 A, 463 (Baptanodontidæ).
Boulenger, G. A. 1904 B, 425 (Baptanodontidæ).
Brauns, D. 1890 A, 202 (Baptanodontia).
Gilmore, C. W. 1906 B, 333 (Baptanodontidæ).
Merriam, J. C. 1908 C, 10 (Baptanodontidæ): 90 (Baptanodontinæ).
Williston, S. W. 1925 B, 258.

OPHTHALMOSAURUS Seeley. Type *O. icenicus* Seeley.

Unless otherwise indicated the authors quoted use for the American species of this genus the name *Baptanodon*.

Seeley, H. G. 1874 C, 699, pls. xlv, xlvi (Ophthalmosaurus).
Hay, O. P. 1902 A, 463.
Abel, O. 1905 B, 204.
1909 A, 252.
1912 F, 526.
1919 A, 467, 480, figs. 369, 371, 375, 381.
1925 A, 165, fig. 106.
Andrews, C. W. 1907 B, 203 (Ophthalmosaurus).
1910 A, 2, with pls. and text-figs. (Ophthalmosaurus).
1915 A, 145.
Baur, G. 1885 L.
Boule, M. 1891 A, 9 (Sauranodon).
Boulenger, G. A. 1904 B, 424.
Branca, W. 1908 B, 44.
Braus, H. 1906 A, 292.
Broili, F. 1916 A, 490.
Case, E. C. 1898 C, 713.
Dames, W. 1898 B, 141.
Emery, C. 1887 A, 187 (Sauranodon).
Fraas, E. 1913 C, 8 (Baptanodon, Ophthalmosaurus).
Gilmore, C. W. 1902 A, 913 (Baptanodon); 914 (Microdontosaurus, type M. petersonii).
1903 A, 750 (Baptanodon or Ophthalmosaurus).
1905 A, 77, 116.
1906 B, 325.
Heilprin, A. 1887 A, 162 (Sauranodon).
Holland, W. J. 1908 D, 191.
Huene, F. 1903 A, 442.
1911 A, 737.
1922 B, 102.
1922 D, 279.
1922 H, 151.
1923 C, 465, 466.
1923 D, 268.
1925 A, 95.
1925 F, 237.
1927 A, 25.
Knight, W. C. 1903 B, 76.
Koken, E. 1906 A, 311 (Ophthalmosaurus).
Loomis, F. B. 1901 A, 193.
Lull, R. S. 1917 B, 334.
Lydekker, R. 1888 C, 309 (Ophthalmosaurus).
1889 F, 8 (Ophthalmosaurus).
1905 A, 304.
1907 C, 459.
1909 C, 465.
1911 A, 684.
1912 C, 32, 102, 134, 136.
Merriam, J. C. 1903 A, 252.
1905 A, 36.
1905 C, 26.
1905 G, 403.
1912 B, 221.
Merriam and Gilmore 1928 A, 3.
Nicholson and Lydekker 1889 A, 1127 (Ophthalmosaurus, Baptanodon).
Nopcsa, F. 1923 H, 12, 23-26, 160, pl. iv, fig. 4.
1928 A, 168.
Osborn, H. F. 1905 M, 414.
1917 B, 205, fig.
Osburn, R. C. 1906 A, 452.
Peck, F. B. 1904 A, 36, fig. 4.
Pycraft, W. P. 1909 A, 204.
Schuchert, C. 1918 B, 251, 253 (Baptanodon, Ophthalmosaurus).
Seeley, H. G. 1887 D, 339.
Seitz, A. L. L. 1907 A, 291.
Sollas, W. J. 1916 A, 68, 78, 105.
Stromer, E. 1921 A, 56.
Williston, S. W. 1903 A, 36, 69.
1914 A, 113, figs. 53-55.
1918 A, 79, fig. 3.
1925 A, 61, 62, 102, 131, 193, figs. 50, 51, 80, 103, 158.
1925 B, 258.
Wiman, C. 1910 B, 141.
1921 A, 23, 28, fig. 2.
1923 B, 274.
Woodward, A. S. 1898 B, 183 (Ophthalmosaurus).
Zittel, K. A. 1890 A, 473 (Ophthalmosaurus).
Zittel and Broili 1911 A, 228 (Baptanodon); 229 (Ophthalmosaurus).
1923 A, 277.
Zittel, Eastman, etc. 1902 A, 171.

Ophthalmosaurus discus (Marsh).

Hay, O. P. 1902 A, 463 (Baptanodon).
Andrews, C. W. 1910 A, 46 (Baptanodon).
Emery, C. 1887 A, 189, fig. C (Baptanodon).
Gilmore, C. W. 1902 A, 913 (Baptanodon. This species?); 914 (Microdontosaurus petersonii).
1903 A, 750 (Baptanodon).
1905 A, 80, 121, pls. vii-xii; text-figs. 1-22, 25 (Baptanodon).
1907 B, 194, 198 (Baptanodon).
Lambe, L. M. 1907 C, 224 (Baptanodon).
Merriam, J. C. 1908 C, 61, figs. 85, 107 (Baptanodon).
Williston, S. W. 1905 B, 341 (Baptanodon).
Wortman, J. L. 1900 A, 165 ("Baptanodon"). Upper Jurassic (Sundance); Wyoming.

Ophthalmosaurus marshi (Knight).

Knight, W. C. 1903 B, 77, 81, figs. 1-3 (Baptanodon).
Gilmore, C. W. 1905 A, 103, 121, figs. 23, 24, 26 (Baptanodon).
Merriam, J. C. 1905 C, 26, fig. 7 (Baptanodon).
Williston, S. W. 1905 B, 341 (Baptanodon). Upper Jurassic (Sundance); Wyoming.

Ophthalmosaurus natans (Marsh).

Hay, O. P. 1902 A, 463 (Baptanodon).
Gilmore, C. W. 1903 A, 750 (Baptanodon).
1905 A, 120 (Baptanodon).
1906 B, 327, figs. 1-10 (Baptanodon).
1907 B, 198 (Baptanodon).
Osburn, R. C. 1906 A, 450, pl. vii, fig. 11 (Baptanodon).
Williston, S. W. 1905 B, 341 (Baptanodon).
Upper Jurassic (Sundance); Wyoming.

Ophthalmosaurus reedi (Gilmore).

Gilmore, C. W. 1907 B, 193, fig. 1 (Baptanodon).
Upper Jurassic (Sundance); Wyoming.

Ophthalmosaurus robustus (Gilmore).

Gilmore, C. W. 1906 B, 332, pl. xxxviii; text-figs. 12, 13 (Baptanodon).
1907 B, 198 (Baptanodon).
Merriam and Gilmore 1928 A, 3.
Upper Jurassic (Sundance); Wyoming.

Ophthalmosaurus sp. indet.

Fraas, E. 1904 B, 283, figs. 3, 4 (Cape Stewart, northeastern Greenland).
1911 A, 483.
Gilmore, C. W. 1914 C, 210 (Baptanodon).
Upper Cretaceous (Benton); Wyoming.
Huene, F. 1922 B, 95 (Campylodon?); 98 (Myopterygius?). Upper Cretaceous (Benton); Wyoming.
Madsen, V. 1904 A, 170 (Ichthyosaurus or Ophthalmosaurus). Eastern Greenland.
Merriam, J. C. 1905 G, 404.
1905 D, 640 (Baptanodon?). Upper Cretaceous (Benton); Wyoming.
Merriam and Gilmore 1928 A, 1-4, fig. 1 (This genus?). Upper Cretaceous; Oregon.

APATODONOSAURUS Mehl. Type *A. grayi* Mehl.

Mehl, M. G. 1927 A, 233.
1928 A, 111.

Apatadonosaurus grayi Mehl.

Mehl, M. G. 1928 A, 113, pls. xxx-xxxv; text-figs. 1, 2.
Jurassic (Sundance); Wyoming.

PROTEOSAURIDÆ Hay.

Hay, O. P. 1902 A, 462.
Abel, O. 1919 A, 453-481 ("ichthyosaurier").
1922 C, 537 ("ichthyosaurier").
Arldt, T. 1907 D, 660 (Ichthyosauridæ).
Cope, E. D. 1891 N, 41 (Ichthyosauridæ).
Fraas, E. 1902 B, 4 ("ichthyosaurier").
Huene, F. 1923 C, 465 (Longipinnatidæ).
Merriam, J. C. 1903 A, 252 (Ichthyosauridæ).
Merriam, J. C. 1908 C, 10, 89 (Ichthyosauridæ); 90 (Ichthyosaurinæ).
Owen, R. 1845 B, 275, pls. lxxiii, lxxiii*a* (Ichthyosauri).
Williston, S. W. 1925 B, 256 (Ichthyosauridæ).
Zittel and Broili 1911 A, 227 ("ichthyosaurier").
1923 A, 277 (Ichthyosauridæ).
Zittel, Eastman, etc. 1902 A, 171 (Ichthyosauridæ).

PROTEOSAURUS Home. Type *Ichthyosaurus platyodon* Conybeare.

Unless otherwise indicated the authors cited employ for this genus the name *Ichthyosaurus*.
Hay, O. P. 1902 A, 462 (Proteosaurus).
Abel, O. 1905 B, 204.
1907 G, 14, fig. 9.
1908 A, 482, fig. 9.
1908 F (232).
1915 A, 415.
1920 A, 372, figs. 585, 586 (Stenopterygius).
1925 A, 149, figs. 92-103; 107, 108.
Andreae, A. 1903 A, 154.
Andrews, C. W. 1924 B, 533, pl. i; text-figs. 1, 2.
Bauer, F. 1901 A, 1.
Bogolubow, N. N. 1909 A, 50, 62, pl. ii.
Boulenger, G. A. 1904 B, 425.
Brauer, A. 1908 A, 89, fig. 2.
Broili, F. 1907 A, 139, pls. xii, xiii.
1916 A, 476-494.
Bronn, H. G. 1837 A, 499, 506.
1848 A, 605.
1849 B, 383.
Broom, R. 1890 A, 411.
1921 A, 154.
1922 A, 19, 23, 24.
1922 B, 460.
Brown, B. 1912 B, 136.
1924 C, 69.
Carus and Engelmann 1861 A, 594, 1570 (Proteosaurus).
Case, E. C. 1898 C, 612.
Cope, E. D. 1891 N, 41.
Cuvier, G. 1925 A, v, 2, 445-474, pls. xxviii-xxxii (Ichtyosaurus).
Dabelow, A. 1926 A, 97, figs. 2, 3.
De la Beche and Conybeare 1821 A, 559, 563 (Ichthyosaurus); 594 (Proteosaurus).
Dollo, L. 1885 C, 322.
Durand, J. P. 1898 A, 293 ("ichthyosaure").
Etheridge, R. 1898 A, 143.
Fraas, E. 1902 B, 4.
1911 A, 480.
1913 C, 2.
Frassetto, F. 1915 A, 49, figs. 28, 30, 31.
Freund, L. 1904 A, 387.
Fuchs, H. 1909 B, 151.
Gadow, H. 1901 B, 481, 483.
Gervais, P. 1859 A, 481.
Giebel, C. G. 1855 A, 90, pl. x.
Gill, T. 1881 A, 376.
Greene, J. R. 1861 A, 222.
Hoernes, R. 1886 A, 596.
Hoffmann, C. K. 1890 B, 1303, pl. lxi.
Huene, F. 1903 A, 442.
1916 A, 35.
1922 D, 277, fig.

Huene, F. 1923 C, 465.
1923 D, 266 (Eurypterygius, Stenopterygius, Eurhinosaurus, Leptopterygius, etc.).
Humphrey, G. M. 1876 A, 665.
Hutchinson, H. N. 1910 A, 61, pls. iii, iv.
Huxley, T. H. 1859 D, 453.
Jaekel, O. 1903 C, 40.
1903 F, 33, fig. 4.
1904 A, 26.
1907 B, 43, figs. 27, 28.
1911 A, 140, fig. 153.
1912 A, 619.
Kehrer, F. A. 1896 A, 356.
Kingsley, J. S. 1925 A, 46, 150, 283, fig. 160.
Koken, E. 1893 B, 356.
1901 B, 221.
1908 C, 9.
Lankester, E. R. 1905 A, 225, figs. 165-168.
Le Damany, P. 1903 G, 127 ("ichthyosaure").
1906 A, 49, fig. 6 ("ichthyosaure").
Lönnberg, E. 1910 A, 15.
Lucas, F. A. 1901 F, 483, fig. 2 ("ichthyosaur").
Lydekker, R. 1912 C, 134.
Mantell, G. A. 1844 A, 708.
Merriam, J. C. 1903 A, 252.
1903 C, 297.
1903 D, 311.
1905 C, 23.
1905 D, 640.
Mivart, St. G. 1871 B, 388, fig. 1.
1878 B, 309, fig. 12.
Müller, J. 1841 B, cliv.
Nopcsa, F. 1922 A, 112.
1923 G, 116.
1923 H, 80.
1926 A, 637, text fig. 2.
Owen, R. 1840 I, 157.
1842 F, 69, 77.
Owen, R. 1845 B, 200, 275.
Pütter, A. 1923 A, 221.
Regnault, F. 1903 A, 109 ("ichtyosaure").
Reis, O. 1893 A, 499, 523.
1894 B, 90.
Reynolds, S. H. 1897 A, 544.
Rogenhofer, A. 1908 A, 39.
Ryder, J. 1887 B, 439.
Seeley, H. G. 1887 E, 195.
1908 E, 441.
Serres, M. 1852 A, 114.
Sollas, W. J. 1916 A, 63-126, pl. i, figs. 1-22.
Steinmann, G. 1908 A, 238, 246, figs. 140, 153, 154.
1912 A, 50, figs. 1-5.
Thyng, F. W. 1906 A, 49, figs. G-I.
Tornier, G. 1913 B, 351, figs. 28, 33.
Watson, D. M. S. 1914 B, 95.
Williston, S. W. 1902 L, 918.
1904 B, 182, text-fig. 17.
1914 A, 108, 110, 119, figs. 51, 58 (Ichthyosaurus, Proteosaurus).
1925 A, 112.
1925 B, 257, fig. 177.
Wiman, C. 1912 A, 236.
Woodward, A. S. 1906 B, 443.
1917 C, 541, fig. 1.
1922 C, 37, pl. vi, text-figs. 34-37.
Wyman, J. 1867 B, 249, 259, 276.
Zittel and Broili 1911 A, 228.
1923 A, 270, figs. 378-384, 387.
Zittel, Eastman, etc. 1902 A, 171.

Proteosaurus sp. indet.

Hay, O. P. 1902 A, 462.
Owen, R. 1855 D, 389, pl. xxxi (Ichthyosaurus). Jurassic; Exmouth Island (Lat. 77° 16′ N.; long. 96° W.).

Order OMPHALOSAURIA Huene.

Huene, F. 1923 C, 464.
Nopcsa, F. 1928 A, 168 (Omphalosauroidea).
Williston, S. W. 1925 B, 258.

OMPHALOSAURIDÆ Merriam.

Merriam, J. C. 1906 B, 78.
Huene, F. 1923 C, 466.
Nopcsa, F. 1923 H, 28.
1928 A, 168.

OMPHALOSAURUS Merriam, J. C. Type *O. nevadanus* Merriam.

Merriam, J. C. 1906 B, 76.
Abel, O. 1928 A, 368.
Huene, F. 1922 B, 70.
1923 C, 464.
Merriam, J. C. 1911 C, 325.
Merriam and Bryant 1911 A, 329.
Nopcsa, F. 1923 H, 28.
1928 A, 168.
Williston, S. W. 1925 B, 259.
Wiman, C. 1916 A, 70.

Omphalosaurus nevadanus Merriam, J. C.

Merriam, J. C. 1906 B, 76, pls. viii, ix; and text-fig. 1.
Huene, F. 1922 B, 69, pl. xx, fig. 12.
Merriam, J. C. 1908 C, 18.
Triassic (Middle); Nevada.

Omphalosaurus sp. indet.

Merriam and Bryant 1911 A, figs. 1, 2 (This genus?). Triassic (Middle); Nevada.

Subclass DIPLOTREMATA, new name.

The term Diapsida, as employed by the authors quoted, coincides only in part with Diplotremata.
Abel, O. 1912 F, 221.
Bittner, F. 1912 A, 2 ("diapsiden").
Boulenger, G. A. 1904 C, 479.
Broom, R. 1904 B, 93.
1904 C, 111 (Diapsida); 112 (Herpetomorpha).
1906 C, 437.

Broom, R. 1906 F, 374 ("diapsiden").
1907 A, 37 ("diapsidans").
1908 A, 1049.
1911 A, 919.
1922 A, 17, 25 (Diapsida).
1924 B, 40, 64.
Cope, E. D. 1891 N, 35 (Archosauria).
Döderlein, L. 1900 A, 335 (Archosauria).
Fraas, E. 1905 B, 363 ("diapsiden").
Fuchs, H. 1909 B, 129, 149, 150.
1911 B.
Fürbringer, M. 1900 A.
1904 A, 579 ("archosaurier"); 581 (Diapsida).
Goodrich, E. S. 1916 A, 263.
Gregory, W. K. 1920 A, 214, 234.
Huene, F. 1908 B, 378.
1908 F, 405.
1911 D, 58.
1913 E, 480 ("archosaurier").
Jaekel, O. 1905 B, 61.
1908 A, 140.
1908 B, 464.
1909 A, 211.
1911 A, 131 (Diapsida); 132, 136 (Archæosauria).
Kingsley, J. S. 1925 A, 76 (Diapsida).
McGregor, J. H. 1905 A, 295.
Nopcsa, F. 1928 A, 180.
Osborn, H. F. 1903 F, 276.
1903 H, 452, 455, 457, 458, 459, 466, 506 (Diapsida); 452, 453 (Archosauria).
1904 H, 105.
1904 L, 256.
1904 N, 308.
1905 C, 295.
Sewertzoff, A. N. 1908 A.
Thevenin, A. 1909 A, 1224 ("diapsidés").
Versluys, J. 1912 B, 643 (Archosauria).
1919 A, 5-22 (Diapsida); 6 (Archosauria).
Watson, D. M. S. 1917 C, 179 (Archosauria).
Williston, S. W. 1904 B, 175.
1907 A, 487.
1908 I, 629.
1911 B, 66.
1912 B, 650.
1914 A, 15.
1917 C, 414 (Diapsida).
1925 A, 198 (Diapsida).
1925 B, 278 (Diapsida).
Zittel and Broili 1911 A, 187 (Diapsida).
1923 A, 221 (Diapsida).

Superorder EODITREMATA, new name.

The name Eoditremata is only in part synonymous with that of Diaptosauria, the term used by the authors, as cited.

Broom, R. 1904 C, 111.
1906 B, 600 ("diaptosaurians").
1907 A, 37 ("diaptosaurians").
Case, E. C. 1907 E, 17.
Diener, C. 1909 A, 36.
Fraas, E. 1905 B, 370.
Fuchs, H. 1909 B, 149.
Fürbringer, M. 1904 A, 581.
Huene, F. 1908 B, 378.
Jaekel, O. 1910 B, 526.
1910 C, 331.
1910 D, 113.
1911 A, 131.
Merriam, J. C. 1904 A, 421.
1905 E, 248.
Nopcsa, F. 1923 H, 4, 7, 92, 125, tab.
1928 A, 181.
Osborn, H. F. 1903 H, 456, 466, 467, 499, 504.
1904 H, 107.
1904 L, 256.
1904 N, 308.
1905 C, 295.
1905 N, 237.
Sewertzoff, A. N. 1908 A.
Versluys, J. 1910 B, 245 ("diaptosaurier").
1912 A, 494 ("diaptosaurier").
1912 B, 548, 621, 687.
1919 A, 19.
Williston, S. W. 1912 B, 650.
1917 C, 412, 414.
1925 A, 113, 117.
1925 B, 279.

Order RHYNCHOCEPHALIA Günther.

Hay, O. P. 1902 A, 459.
Abel, O. 1907 A, 225 ("rhynchocephalen").
1919 A, 443.
1920 A, 371.
Anderson, R. J. 1912 D, 251.
Anthony, R. 1913 A, 253 ("rhynchocéphales").
Arldt, T. 1907 C, 677.
1907 D, 679.
1907 E, 205.
1908 A, 570 ("rhynchocephalen").
1912 A, 663, 669.
Baur, G. 1885 L.
1887 G, 694.
1894 B, 349.
Beer, G. R. 1926 A, 312.
Bluntschli, H. 1912 B, 383 ("rhynchocephalen").
Boas, J. E. V. 1914 B, 557 ("rhynchocephalen").
1914 C, 262 ("rhynchocephalen").
Boulenger, G. A. 1893 B, 204, 209.
Boulenger, G. A. 1904 C, 480.
1918 E, 515 ("rhynchocephaliens").
Brauns, D. 1890 A, 149, 152, 163, 187, 202 ("rhynchocephalen").
Braus, H. 1906 A, 259 ("rhynchocephier").
Broili, F. 1908 E, 295 ("rhynchocephalen").
Broom, R. 1901 A, 188.
1902 D, 554.
1903 D, 288.
1903 I, 554.
1910 C, 473.
1912 A, 627 ("rhynchocephalians").
1913 O, 632 ("rhynchocephaloids").
1913 P, 227 ("rhinchocephlians").
1922 A, 17 ("rhynchocephalians").
1924 B, 64, fig. 13.
Carus, V. 1875 A, 435.
Case, E. C. 1898 C, 729.
1910 C, 192.

Case, E. C. 1911 A, 96.
Cope, E. D. 1891 N, 35, 45.
Daiber, M. 1920 A, 371.
Dendey, A. 1899 A, 1 (Sphenodon).
1899 B, 111 (Sphenodon).
1907 A, 298.
Depéret, C. 1907 B ("rhyncocéphaliens").
Diener, C. 1909 A, 36.
Döderlein, L. 1900 A, 334.
Dollo, L. 1883 G, 590.
1889 B, 666 ("rhynchocéphaliens").
1903 B, 138 ("rhynchocéphaliens").
1904 B, 219 ("rhynchocéphaliens").
DuToit, P. J. 1911 A, 417.
Frassetto, F. 1915 A, 30.
Fuchs, H. 1907 B, 413 ("rhynchocephalen").
1908 C, 167 ("rhynchocephalen").
1909 B, 114, 128 ("rhynchocephalen").
1909 D, 26 ("rhynchocephalen").
1910 A, 39 ("rhynchocephalen").
1911 A, 52 ("rhynchocephalen").
1911 B.
1912 B, 82 ("rhynchocephalen").
1927 A, 346.
Fürbringer, M. 1902 B, 727, 732 ("rhynchocephalier").
Gadow, H. 1901 B, 292 (Rhynchocephali).
Gaupp, E. 1895 A, 58 ("rhynchocephalen").
1905 D, 1014 ("rhynchocephalen").
1906 A, 59 ("rhynchocephalen").
1906 B, 775.
1908 A, 182 ("rhynchocephalen").
1908 B ("rhynchocephalen").
1910 B, 358 ("rhynchocephalen").
1910 C.
1911 C, 449.
1911 D, 635 ("rhynchocephalen").
1912 B, 239 ("rhynchocephalen").
1913 A, 93 (Rhynchocephala).
Goodrich, E. S. 1916 A, 263.
Gray, J. E. 1872 B, 29.
Gregory, W. K. 1913 E, 39.
1920 A, 233.
Günther, A. 1886 A, 444.
Hayek, H. 1924 A, 147.
Heilmann, G. 1926 A, 85.
Heilprin, A. 1887 A, 320 (Rhynchocephala).
Hilzheimer, M. 1913 A, 513 ("rhynchocephalen").
Hoernes, R. 1886 A, 603.
Howes, G. B. 1902 A, 525.
Howes and Swinnerton 1901 A.
Huene, F. 1902 A, 6 ("rhynchocephalen").
1910 B, 38 ("rhynchocephalen").
1911 D, 47 ("rhynchocephalier").
1922 E, 24.
1925 D, 238.
1926 I, 81.
1927 E, 325.
Kesteven, H. L. 1919 A, 235 (Rhyncocephalia).
Kingsley, J. S. 1925 A, 45, 160, 283.
Koken, E. 1893 B, 245.
Lakjer, T. 1927 A ("rhynchocephalen").
Lebedinsky, N. G. 1913 A, 767 ("rhynchocephalen").
Lydekker, R. 1912 C, 3, 4, 18.
McGregor, J. H. 1901 A, 272.
1902 A, 27.
1906 A, 79.
Merriam, J. C. 1905 E, 248.
1908 C, 57.
Nopcsa, F. 1922 A, 111, 116 ("rhynchocephalier").
1923 E, 1048.
1923 H, 1-6, 8-10, 71, 82, 85, 92, 104, 110, 125, 128, 148, 171, 174.
1928 A, 181.
Osborn, H. F. 1899 J, 415.
1903 D, 313.
1903 H, 452, 454, 456, 467, 468, 494
1905 C, 295.
1917 B, 193, 201 (Rhyncocephala).
Palacký, J. 1894 A, 130 ("rhynchocephaliden")
Parker and Haswell 1897 A, 312.
Rabl, C. 1903 A, 175 ("rhynchocephalen").
Reynolds, S. H. 1897 A, 553.
Schauinsland, H. 1903 A, 1, pls. i-xi (Sphenodon).
Seeley, H. G. 1882 A, 366.
1887 D, 338.
Sewertzoff, A. N. 1908 A.
Simpson, G. G. 1926 E, 8, 9 ("rhinchocephalians").
1926 F, 12.
Smith, G. E. 1911 A, 293.
1912 A, 426.
Steiner, H. 1922 A, 341 ("rhynchocephalen").
Stremme, H. 1909 A, 505 ("rhynchocephalen").
Stromer, E. 1912 A, 77.
Sushkin, P. P. 1927 A, 269, 287.
Swinnerton and Howes 1901 A, 1, 70.
Taschenberg, O. 1894 A, 3631.
Thyng, F. W. 1906 A, 51.
Tornier, G. 1913 A, 333.
1913 B, 347.
Versluys, J. 1903 A, 151.
1912 A, 491 ("rhynchocephalier").
1912 B, 621, 687.
Watson, D. M. S. 1917 C, 180.
Williston, S. W. 1904 A, 43.
1904 B, 176.
1914 A, 17, 45, 176.
1917 C, 411.
1918 A, 79.
1925 A, *passim* (Rhynchocephalia, Diaptosauria).
1925 B, 213, 279.
Woodward, A. S. 1904 D. 144.
1907 C, 208.
Woodward, H. 1904 B, 144.
Zittel and Broili 1911 A, 201.
1923 A, 246, 251, 383.
Zittel, Eastman, etc. 1902 A, 145.

Suborder CHAMPSOSAURIFORMES, new name.

Unless otherwise indicated the authors, as cited, employ for this group the name Choristodera.

Hay, O. P. 1902 A, 460.
Broom, R. 1924 B, 64, fig. 13.
Brown, B. 1905 B, 4, 25.
Cope, E. D. 1876 I, 350.
Dollo, L. 1885 C, 320 (Simœdosauria).
Fuchs, H. 1911 B.
Goodrich, E. S. 1916 A, 263.

Jaekel, O. 1911 A, 147 (Champsosauri).
Matthew, W. D. 1914 B, 383, 388.
1921 D, 211.
Merriam, J. C. 1904 A, 421.
1908 C, 57.
Nopcsa, F. 1923 H, 4, 8, 125, 171, tab.
1928 A, 181.
Osborn, H. F. 1903 H, 456, 468, 492.
1904 H, 111.
1905 C, 295.
1905 N, 239.
Parks, W. A. 1927 A, 4.
Simpson, G. G. 1926 F, 12 (Choristodera).
Versluys, J. 1912 B, 624, 684, 687.
Williston, S. W. 1909 A, 399.
1914 A, 17, 45, 178.
1918 A, 81.
1925 A, 10, 95, 104, 110, 121, 128, 143, 161.
1925 B, 213, 283.
Zittel and Broili 1911 A, 204.
1923 A, 250.

CHAMPSOSAURIDÆ Cope.

Hay, O. P. 1902 A, 460.
Abel, O. 1919 A, 449.
Arldt, T. 1907 D, 645.
Boulenger, G. A. 1893 B, 209.
Cope, E. D. 1891 N, 45 (Choristodera, Champsosauridæ).
Gervais, P. 1852 A, 265 ("simosauriens").
1859 A, 473 ("simosauriens").
Howes and Swinnerton 1901 A, 37.
Huene, F. 1914 G, pl. vii (Champsosauria).
1922 D, 278 ("champsosauriden").
1922 E, 24.
Jaekel, O. 1910 C, 333 (Champsosauri).
Matthew, W. D. 1914 B, 387.
1921 D, 211.
Nopcsa, F. 1922 A, 111.
1923 H, 83, 125, 181.
1928 A, 181.
Osborn, H. F. 1903 D, 468.
Palacký, J. 1902 B, 141 ("champsosauriden").
Parks, W. A. 1927 A, 9.
Pictet, F. J. 1853 A, 538 ("simosauriens").
Pomel, A. 1894 A, 1309 ("champsosauriens").
Stromer, E. 1910 B, 481 (Champsosauria).
1912 A, 78.
Tornier, G. 1913 B, 349 (Campsosauridæ).
Zittel and Broili 1911 A, 204.
1923 A, 250.
Zittel, Eastman, etc. 1902 A, 150.

CHAMPSOSAURUS Cope. Type *C. profundus* Cope.

Hay, O. P. 1902 A, 460 (Champsosaurus); 457 (Nothosaurops).
Abel, O. 1919 A, 450.
Baur, G. 1887 G, 694.
1894 B, 350.
Broili, F. 1926 C, 10, 37.
Brown, B. 1905 B, 3.
Case, E. C. 1898 C, 730.
Cope, E. D. 1880 U, 148.
Dollo, L. 1885 C, 315.
1885 D, 617.
1892 E, 158 ("champsosaure").
1893 E, 196 (Syn. of Simœdosaurus).
1909 A, 106.
1919 A, 14.
Douglass, E. 1909 C, 245, 279.
Gaudry, A. 1901 A, 504.
Gilmore, C. W. 1917 A.
1924 A, 88.
1924 D, 27.
Granger, W. 1914 A, 204.
Gregory, W. K. 1920 A, 129, 233.
Harrison, H. S. 1901 B, 205.
Hatcher, J. B. 1905 B, 80.
Hay, O. P. 1910 B, 294, 297.
Howes and Swinnerton 1901 A, 3.
Jaekel, O. 1912 A, 614.
Lakjer, T. 1927 A, 231, 247, fig. 91.
Lambe, L. M. 1917 B, 43.
Lemoine, V. 1886 A, 167 ("champsosaure").
Lydekker, R. 1885 G, 13, 14.
1907 C, 459.
1912 C, 19, 27.
McGregor, J. H. 1906 A, 79.
Malaquin, A. G. 1900 A, 260.
Matthew, W. D. 1915 K, 437.
Nopcsa, F. 1922 A, 112.
1923 E, 1050, figs. 8, 9.
Nopcsa, F. 1923 H, 80-82, 84, 88, 164.
1925 B, 11, pl. ii.
1928 A, 181.
Osborn, H. F. 1902 H, 674.
1902 I, 17.
1903 D, 492.
1910 A, 205.
1914 A, 322.
1917 B, 199, fig.
Parks, W. A. 1927 A, 3.
Peale, A. C. 1912 A, 747, 754.
Reagan, A. B. 1903 A, 82.
Rogers, A. F. 1924 A, 546.
Scott, W. B. 1913 A, 102.
Seeley, H. G. 1886 A, 413, 521.
Seitz, A. L. L. 1907 A, 352.
Sewertzoff, A. N. 1908 A, 253.
Sternberg, C. H. 1915 A, 132.
1917 A, 84, 116.
Stromer, E. 1910 A, 89.
1910 B, 482.
Swinnerton and Howes 1901 A, 3.
Thevenin, A. 1911 A, 9, 14.
Tornier, G. 1913 B, 350 (Campsosaurus).
Versluys, J. 1912 B, 624, fig. d^2.
Williston, S. W. 1902 K, 953.
1903 A, 10 (Nothosaurops).
1914 A, 179, figs. 87-91.
1918 A, 79, fig. 3.
1925 A, 76, 103, 131, figs. 63, 80, 94, 104.
1925 B, 283.
Williston and Case 1913 B, 44.
Woodward, A. S. 1909 A, 327.
1910 B, 467.
Zittel and Broili 1911 A, 204.
1923 A, 250.
Zittel, Eastman, etc. 1902 A, 150.

Champsosaurus albertensis Parks.

Parks, W. A. 1927 A, 3-48, pls. i, ii; text-figs. 1-25.
Upper Cretaceous (Edmonton); Alberta.

Champsosaurus ambulator Brown.

Brown, B. 1905 B, 22, pl. iv, fig. 2; pl. v, figs. 3, 3a, 5, 5a, 6, 6a, 14, 15.
Bowen, C. F. 1915 A, 128.
Brown, B. 1914 E, 358.
Parks, W. A. 1927 A, 9, 44.
Upper Cretaceous (Judith River); Montana: (Edmonton); Alberta.

Champsosaurus annectens Cope.

Hay, O. P. 1902 A, 460.
Bowen, C. F. 1915 A, 128, 148.
Brown, B. 1905 B, 6.
1914 E, 379.
Dollo, L. 1884 C, 155.
Hatcher, J. B. 1905 B, 80.
Lambe, L. M. 1902 A, 45.
1904 C, 22, 37, 49.
Matthew, W. D. 1916 A, 484.
Osborn, H. F. 1902 H, 674.
1902 I, 12, 17.
Parks, W. A. 1927 A, 8, 44.
Upper Cretaceous (Hell Creek); Montana: (Belly River); Alberta.

Champsosaurus australis Cope.

Hay, O. P. 1902 A, 461.
Brown, B. 1905 B, 6.
Gardner, J. H. 1910 A, 731.
Gilmore, C. W. 1920 A, 10.
Matthew, W. D. 1914 B, 383.
Parks, W. A. 1927 A, 5.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco); New Mexico.

Champsosaurus laramiensis Brown.

Hay, O. P. 1902 A, 461.
Bowen, C. F. 1915 A, 128, 149, 150.
Brown, B. 1905 B, 6.
1914 E, 379.
Dollo, L. 1884 C, 155.
Hatcher, J. B. 1905 B, 80.
Matthew, W. D. 1916 A, 484.
Osborn, H. F. 1902 I, 12.
Upper Cretaceous (Judith); Montana.

Champsosaurus brevicollis Cope.

Brown, B. 1905 B, 8, pls. i-iii; pl. iv, figs. 2-3a; pl. v, figs. 1, 2, 4, 7-13.
Abel, O. 1912 F, 42, fig. 10.
1919 A, 450, fig. 350.
Bowen, C. F. 1915 A, 128.
Brown, B. 1907 A, 842.
1914 E, 358.
Leonard, A. G. 1912 A, 3.
Merriam, J. C. 1908 C, 68, fig. 89.
Parks, W. A. 1927 A, 4, 46.
Stromer, E. 1912 A, 79, fig. 81.
Tornier, G. 1913 B, 348, fig. 22 (C. lamariensis).
Zittel and Broili 1923 A, 251, fig. 354.
Upper Cretaceous (Hell Creek); Montana.

Champsosaurus occiduus (Leidy).

Hay, O. P. 1902 A, 457 (Nothosaurops).
Cope, E. D. 1874 B, 433 (Plesiosaurus).
Osborn, H. F. 1902 H, 674 (Nothosaurops).
1902 I, 11, 16 (Nothosaurops).
Williston, S. W. 1902 D, 241 (Plesiosaurus).
1903 A, 10 (Nothosaurops).
1908 C, 735 (Nothosaurops a syn.).
Upper Cretaceous (Lance); South Dakota.

Champsosaurus profundus Cope.

Hay, O. P. 1902 A, 461.
Bowen, C. F. 1915 A, 128.
Brown, B. 1905 B, 6.
1914 E, 379.
Dollo, L. 1884 C, 155.
Hatcher, J. B. 1905 B, 80.
Matthew, W. D. 1916 A, 484.
Osborn, H. F. 1902 I, 12.
Upper Cretaceous (Judith River); Montana.

Champsosaurus puercensis Cope.

Hay, O. P. 1902 A, 461.
Brown, B. 1905 B, 6 (Syn.? C. saponensis).
Gardner, J. H. 1910 A, 731.
Gilmore, C. W. 1920 A, 10.
Parks, W. A. 1927 A, 5.
Reeside, J. B. 1924 A, 42.
Stanton, T. W. 1909 A, 264 (This species?).
Paleocene (Puerco, Torrejon); New Mexico.

Champsosaurus saponensis Cope.

Hay, O. P. 1902 A, 461.
Brown, B. 1905 B, 6.
Gardner, J. H. 1910 A, 731.
Gilmore, C. W. 1920 A, 10.
Matthew, W. D. 1914 B, 383.
Parks, W. A. 1927 A, 5, 44.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco, Torrejon); New Mexico.

Champsosaurus sp. indet.

Bowen, C. F. 1915 A, 128. Upper Cretaceous (Belly River); Alberta: (Lance); Wyoming.
Collier, A. J. 1918 A, 32. Upper Cretaceous (Lance); Montana.
Gidley, J. W. 1915 E, 539. Upper Cretaceous (Fort Union); Montana.
Gilmore, C. W. 1917 A, 4. Upper Cretaceous (Two Medicine); Montana.
1924 D, 27. Upper Cretaceous (Lance); Saskatchewan.
1926 J, 28. Upper Cretaceous (Lance); Wyoming.
Hay, O. P. 1903 D, 119.
Knowlton, F. H. 1909 A, 190. Upper Cretaceous (Hell Creek); Montana.
Sternberg, C. M. 1924 A, 68. Upper Cretaceous (Lance); Saskatchewan.
1926 A, 104. Upper Cretaceous (Edmonton); Alberta.

Suborder SPHENODONTIFORMES, new name.

Nopcsa, F. 1928 A, 181 (Sphenodontoidea).

Williston, S. W. 1925 B, 281 (Sphenodontia).

SPHENODONTIDÆ Cope.

Cope, E. D. 1871 B, 235.
Abel, O. 1919 A, 444.
Boulenger, G. A. 1889 A, 2 (Hatteriidæ).
Brauns, D. 1890 A, 149, 163, 187, 202 ("sphenodonten").
Cope, E. D. 1864 A, 227 (Hatteriidæ).
Günther, A. C. 1867 A, 624 (Hatteriidæ).
Huene, F. 1922 E, 24.
Huxley, T. H. 1887 A, 692.
Lakjer, T. 1927 A, 172.
Nopcsa, F. 1928 A, 181.
Zittel, K. A. 1890 A, 589.
Zittel and Broili 1911 A, 206.
1923 A, 249.

SPHENODON Gray. Type *Hatteria punctata* Gray.

Hay, O. P. 1902 A, 460.
Allis, E. P. 1919 B, 80 (Hatteria).
Anderson, R. J. 1905 A, 323, fig. 11 (Hatteria).
Anthony, R. 1913 A, 253 (Hatteria).
Bardeleben, K. 1901 A (Hatteria).
Bauer, F. 1901 A, 47.
Baur, G. 1887 H, 52.
Beer, G. R. 1926 A, 312, figs. 81, 83.
Bender, O. 1907 A, 40 (Hatteria).
Bluntschli, H. 1912 B, 383, figs. 20, 21.
Boas, J. E. V. 1914 C, 263, figs. 40, 42, 43, 58.
Bogoljubsky, S. 1914 A, 660.
Brauns, D. 1890 A, 151, 152, 202, fig. 2 (Hatteria).
Broili, F. 1926 B, 172, fig. 4.
1926 C, figs. 2, 6.
Broom, R. 1922 A, 21.
1922 B, 455.
1924 B, 40, fig. 3.
1924 C, 69.
1925 A, 2.
Case, E. C. 1905 C, 9.
1910 C, 196.
Daiber, M. 1920 A, 371, pls. i, ii.
Dendy, A. 1907 A, 287.
Dollo, L. 1884 E, 67 (Hatteria).
1893 D.
1903 A, 759.
Edgeworth, F. H. 1907 A, 529, figs. 25-29.
Fuchs, H. 1907 A, 164, fig. 1 (Hatteria).
1907 B, 419 (Hatteria).
1909 B, 154 (Hatteria).
1909 C, 97 (Hatteria).
1909 D, 9, figs. 1, 2 (Hatteria).
1910 A, 35, fig. 4 (Hatteria).
1910 B, 253 (Hatteria).
1910 C, 481 (Hatteria).
1912 B, 94 (Hatteria).
1927 A, 309, 316, fig. 2 (Hatteria).
Gadow, H. 1901 B, 294, figs. 58-60.
Gaupp, E. 1895 A, 62 (Hatteria).
1899 A, 1078, figs. 13, 15.
1905 D, 1014, fig. 37.
1906 A.
1906 B.
1910 A, 540.
1910 C.
1911 B, 108.
1911 D, 616.
1912 B, 220.
Gelderen, C. 1925 A, 497 (Hatteria).
Gregory, W. K. 1913 B, 243.
1913 E, 14, figs. 12-14.
1926 A, 204.
Gregory and Camp 1918 A, pls. xliii, xlv; text-figs. 1-3.
Harrison, H. S. 1901 A, 145 (Hatteria).
1901 B, 393 (Hatteria).
Hayek, H. 1924 A, 147, pl. i, fig. 5 (Hatteria).
Heilmann, G. 1926 A, 207, figs. 31, 66, 67, 79 (Hatteria, Sphenodon).
Higgins, G. M. 1923 A.
Hoffmann, C. K. 1890 B, 1065, pl. liv (Hatteria, Sphenodon).
Howes and Swinnerton 1901 A.
Huene, F. 1902 A, 7 (Hatteria).
1925 D, 230.
Huxley, T. H. 1869 G, 441, figs. 3, 4, 8.
1869 H, 384.
1887 B, 638, figs. 3, 6.
Iwanzoff, N. 1894 A, 584 (Hatteria).
Jaekel, O. 1902 B, 133.
1903 F, 40.
1906 A, 22, fig. 13.
Kesteven, H. L. 1919 A, 236.
Kingsley, J. S. 1925 A, 43, 161, 173, 174, 247, 264, 281, 283, figs. 50, 172-174, 264, 283, 304, 307.
Lakjer, T. 1927 A, figs. 61-65, 92, 109, 110, 120, 124, 131, 134 (Hatteria).
Lehrs, P. 1911 A, 261, pl.
Leydig, F. 1890 A, 508 (Hatteria).
Lwoff, W. 1884 A, 328 (Hatteria).
Marcus, H. 1921 A, 571 (Hatteria).
Miner, R. W. 1925 A, *passim*, 35 figs.
Noble, G. K. 1922 A, table 1.
Noordenbos, W. 1905 B, 390 (Hatteria).
Nopcsa, F. 1923 H, 79-81, 84, 85, 152, 186, pl. iii, fig. 1.
1928 A, 181.
Nowikoff, M. 1910 A, 122 (Hatteria).
1912 A, 337.
Osborn, H. F. 1903 H, 497.
Parsons, F. G. 1903 A, 315, fig. 1.
Pinkus, F. 1904 A, 150 (Hatteria).
Rabl, C. 1903 A, 157, 168.
Reynolds, S. H. 1897 A, 555, fig. 52.
Romer, A. S. 1922 A, 39.
1922 B, *passim*.
Schauinsland, H. 1899 A, 309, pls. ii, iii (Hatteria).
1906 A.
Schwarz, H. 1908 B, 100.
Seeley, H. G. 1872 B, 36 (Hatteria).
1876 C, 171 (Hatteria).
Siegelbauer, F. 1911 A, 274 (Hatteria).
Simpson, G. G. 1926 F, 12.
Sixta, V. 1901 A, 325.
Sollas, W. J. 1916 A, 89.
Steiner, H. 1922 A, 330, 334, fig. 11.
Sushkin, P. P. 1927 A, 288, figs. 16-18.
Thyng, F. W. 1906 A, 55, figs. M-P.
Versluys, J. 1898 A, 259, fig. 1.
1903 A, 158.
1910 B, 200.

Versluys, J. 1912 A, 496, fig. 5.
1912 B, 549, figs. c, d, h.
Voeltzkow and Döderlein 1901 A, 316 (Hatteria).
Watson, D. M. S. 1916 A.
Wiedersheim, R. 1880 E, 493, fig. 1 (Hatteria).
Williston, S. W. 1903 A, 32, pl. v, fig. 1.
1904 B, 177, text-fig. 6.
1910 A, 270.
1910 F, 600, pl. i, fig. 3.
Williston, S. W. 1914 A, 24, 176, fig. 8.
1925 A, *passim*, figs. 60, 80, 94.
1925 B, 281.
Williston and Case 1913 B, 42.
Woodward, A. S. 1907 C, 295-296.
Wyeth, F. J. 1924 A, 259, pls. xi-xvii, 16 text-figs.
Zittel and Broili 1923 A, 213, fig. 220.
No North American species are yet known.

OPISTHIAS Gilmore. Type *O. rarus* Gilmore.

Gilmore, C. W. 1909 B, 35.
Huene, F. 1910 B, 37.
Nopcsa, F. 1923 H, 79 (Opistias).
1928 A, 181 (Opistias).
Simpson, G. G. 1926 F, 13, 15.
1926 H, 204.
Zittel and Broili 1911 A, 206.
1923 A, 250.

Opisthias rarus Gilmore.

Gilmore, C. W. 1909 B, 35, 39, pl. xi, fig. 1; text-fig. 1.
1927 G, 163.
Huene, F. 1910 B, 36, fig. 3.
Lydekker, R. 1910 F, 668.
Mook, C. C. 1916 A, 148.
Simpson, G. G. 1926 E, 3.
1926 F, 15, fig. 2.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

THERETAIRUS Simpson. Type *T. antiquus* Simpson.

Simpson, G. G. 1926 F, 13.

Theretairus antiquus Simpson.

Simpson, G. G. 1926 F, 13, fig. 1.

Simpson, G. G. 1926 E, 3 (Name; no description.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Order LORICATA Merrem.

Unless otherwise indicated the authors, as cited, use for this group the name *Crocodilia*. Besides being preceded by Merrem's Loricata, it is an ambiguous term, sometimes including only Huxley's Eusuchia; sometimes connoting also the Phytosauridæ and the Aëtosauridæ.

Hay, O. P. 1902 A, 508 (Loricata).
Abel, O. 1907 A, 225 ("crocodilier").
1912 F, 591, 681 ("krokodile").
1919 A, 533.
1920 A, 380.
1922 D, 40.
Ahlborn, F. 1896 B, 8 ("krokodile").
Alix, E. 1874 A, 17 ("crocodiles").
Anderson, R. J. 1912 A, 917 ("crocodiles").
Andreae, A. 1903 A, 150 ("crocodiliden").
Andrews, C. W. 1913 A, 80.
Anonymous 1921 B, 433.
Anthony, R. 1913 A, 254 ("crocodiliens").
Arldt, T. 1907 D, 648.
Arthaber, G. 1906 A, 299, 319 ("crocodilier").
Auer, E. 1909 A, 219 ("krokodile").
Baraldi, G. 1877 A, 8 ("crocodiles").
Bardeleben, K. 1896 A, 114 ("krokodile").
1903 A, 27 ("krokodilier").
1904 A, 109 ("krokodile").
Baur, G. 1889 L, 312.
1894 B, 349.
1897 D, 47.
Beyer, H. 1907 B, 289 ("krokodile").
Bluntschli, H. 1912 B, 384 ("krokodile").
Boas, J. E. V. 1914 B, 562 ("krokodile").
1914 C, 273 ("krokodile").
Bolk, L. 1922 A, 109.
1922 B, 58.
Bonaparte, C. L. 1832 A, 313 (Crocodilei).
Brandt, J. F. 1865 A, 19 ("crocodile").
Brauns, D. 1890 A, 147, 148, 152, 161, 202 (Crocodilina, "krokodile").
Braus, H. 1906 A, 292 ("krokodile").
Bronn, H. G. 1849 A, 833 seq. (Crocodilii).
Broom, R. 1901 A, 188.
1903 C, 179 ("crocodiles").
1906 C, 437 ("crocodiles").
1909 D, 212.
1911 A, 920 ("crocodilians").
1917 A, 977.
Carter, J. T. 1905 A, 143.
Carus, V. 1875 A, 404 (Crocodilina).
Carus and Engelmann 1861 A, 1108-1109, 1675.
Case, E. C. 1898 C, 732.
1923 A, 517.
Cope, E. D. 1885 BB, 68.
1891 N, 35.
Cuvier, G. 1807 A, 8 ("crocodiles").
1808 C, 1 ("crocodiles").
1808 E, 73 ("crocodiles").
1812 A, 125 ("crocodiles").
1825 A, v, 2, 14-173, pls. i-x ("crocodiles").
Dendy, A. 1907 A, 292.
Depéret, C. 1912 A, 703 ("crocodiliens").
Döderlein, L. 1900 A, 329.
Dollo, L. 1883 G, 590.
1884 D, 89 ("crocodiliens").
1889 B, 677 ("crocodiliens").
1914 A, 291 ("crocodiliens").
DuToit, P. J. 1911 A, 417 ("krokodile").
1913 A, 245 ("krokodile").
Edgeworth, F. H. 1907 A, 516.

Fejérváry, G. J. 1921 C, 11.
Fitzinger, L. 1843 A, 35 (Loricata).
Fleischmann, A. 1910 A, 702.
Fraas, E. 1901 B, cxxvi ("krokodile").
1901 C, 409, 411.
1902 B, 69 ("crocodilier").
Frassetto, F. 1915 A ("coccodrilli").
Fuchs, H. 1907 B, 410 ("krokodile").
1908 C, 196.
1909 B, 149.
1909 D, 26 ("krokodile").
1910 A, 40 ("krokodile").
1911 B.
Fürbringer, M. 1888 A, 1620.
1902 B, 727, 731 ("crocodilier").
1904 A.
Gadow, H. 1901 A, 402 ("crocodiles").
1901 B, 431.
Gaupp, E. 1899 A, 1034, 1082 ("krokodile").
1905 D, 1022 ("krokodilier").
1906 B, 782 ("krokodile").
1910 A, 531, 541 ("krokodile").
1911 B, 111.
1911 C, 452.
1912 B, 227 ("krokodile").
1913 A, 44 ("krokodile").
Gegenbaur, C. 1863 A, 464 ("krokodile").
1864 C, 190 ("crocodile").
1871 A, 199 ("crocodile").
Gelderon, C. 1925 A, 495, 506.
Geoffroy St. Hilaire, E. F. 1807 D, 249 ("crocodiles").
Gervais, P. 1852 A, 248 ("crocodiliens").
1859 A, 442 ("crocodiliens").
Gill, T. 1907 A, 493 ("crocodilians").
Goldby, F. 1925 A, 301.
Goodrich, E. S. 1916 A, 262, 264.
Goodsir, J. 1857 A ("crocodiles").
Gray, J. E. 1872 B, 1 (Emydosauri).
Greene, J. R. 1861 A, 219, 226.
Gregory, W. K. 1913 B, 243 ("crocodiles").
1913 E, 3.
1917 C, 975.
1920 A, 212.
Gregory and Camp 1918 A.
Haeckel, E. 1868 A, 453, 455.
1873 A, 512, 531.
Hanson, F. B. 1919 B, 72.
1920 B, 332.
Hase, A. 1913 A ("krokodilier").
Hatschek, B. 1889 B, 117 ("krokodilier").
Heilmann, G. 1914 A, 60.
1926 A, 85.
Heilprin, A. 1887 A, 327, 328 ("crocodiles").
Henshaw, H. W. 1912 A, 318 ("crocodiles").
Hilzheimer, M. 1913 A, 515.
Hoernes, R. 1886 A, 599.
Holland, W. J. 1912 A, 207.
Hollard, H. 1864 C, 368 ("crocodiles").
Howes, G. B. 1891 A, 148.
1894 A, 80.
Howes and Swinnerton 1901 A, 2, 35.
Huene, F. 1908 B, 401.
1908 F, 402.
1911 E, 118 ("krokodile").
1913 F, 468 ("krokodile").
1914 G, 46, pl. vii.
1922 E, 24.
Huene, F. 1925 G, 307 ("krocodile").
1927 E, 326.
Huxley, T. H. 1859 D, 401.
1859 E, 445.
1859 F, 137.
1859 G, 678.
1859 I, 286.
1862 A, xlviii.
1863 F, 477, 529.
1870 F, 538.
1870 H, 492.
1875 E, 66.
1876 F, 173.
1877 A, 1-58.
1879 A, 398.
1887 C, 236 ("crocodiles").
Jaekel, O. 1905 B, 65 ("crocodilier").
1910 C, 338, 340 (Loricati).
1910 E, 229 (Loricata).
1911 A, 162 (Loricati).
1912 A, 610 ("krokodilier").
1915 A, 99 ("crocodile").
Kehrer, F. A. 1896 A, 348 ("crocodilier").
Kesteven, H. 1916 A, 304, 305.
1922 A, 316.
Kingsley, J. S. 1912 B, 94.
Klein, E. E. 1868 A ("crocodilier").
Köstlin, O. 1844 A ("crocodile").
Koken, E. 1893 B, 270, 389, 415 ("crocodiliden").
Laaser, P. 1903 A, 574 ("krokodile").
Lambe, L. M. 1901 B, 182.
Latreille, P. A. 1825 A, 93 (Crocodilei).
Lavocat, A. 1884 A, 1126 ("crocodiles").
1885 A, 29, 37 ("crocodiles").
1889 A, 46 ("crocodiles").
Le Damany, P. 1902 A, 334 ("crocodiliens").
Leunis and Ludwig 1883 A, 539 (Crocodilina).
Lull, R. S. 1917 B, 322.
1924 A, chart.
Lydekker, R. 1887 C, 307.
1912 C, 3, 4, 40, 118.
McGregor, J. H. 1906 A, 83.
Mantell, G. A. 1844 A, 718 ("crocodilians").
Matthew, W. D. 1906 A, 83.
1914 B, 383.
1915 A, 284.
1921 D, 211.
Meckel, J. F. 1825 A ("crocodile").
Menmuir, W. H. 1902 A, 274.
Merriam, J. C. 1912 B, 222.
Mivart, St. G. 1871 B, 380 ("crocodiles").
Mook, C. C. 1918 A, 466.
1921 B, 51.
1921 C, 67.
1921 D, 101.
Müller, J. 1832 A, 507 (Crocodili).
1841 B, cliv ("crocodile").
Nitzsch, C. L. 1822 A, 82 ("krokodile").
Nopsca, F. 1917 A, 204 ("krokodilier").
1922 A, 113 ("crocodilier").
1923 H, 3 (Loricata. See also his Parasuchia, Proterosauri, and Crocodilia).
Oken, L. 1819 A, 1529 ("crocodile").
Osborn, H. F. 1903 D, 313.
1903 H, 454, 456, 504.
1904 H, 113.
1904 N, 308.
1905 C, 295.

Osborn, H. F. 1905 N, 239.
1912 A, 80, 125.
1917 B, 311.
1925 F, 962.
Owen, R. 1842 F, 70 ("crocodiles").
1845 B, 285 ("crocodilians").
1868 A, 874, 875.
1879 D, 148.
Palacký, J. 1894 A, 129 ("krokodile").
Paramore, R. H. 1910 A, 1398 ("crocodiles").
Parker, W. K. 1878 C, 214 ("crocodiles").
1879 C, 336.
1888 C, 397 ("crocodiles").
Parker and Haswell 1897 A, 313.
Parsons, F. G. 1903 A, 316 ("crocodiles").
Peters, W. 1867 A, 726 ("crocodile").
1868 A, 592 ("crocodilen").
1868 B, 388 ("crocodiles").
Petronievics, B. 1919 A, 414 ("crocodiliens").
Philippi, Frech and Volz 1903 A, 18 ("krokodile").
Plieninger, F. 1901 A, 88 ("crocodilier").
1906 A, 406 ("krokodilier").
Pompeckj, J. F. 1925 A, 10 ("krokodilier").
Röse, C. 1892 G, 129 ("crocodile").
Romer, A. S. 1923 A, 143.
1923 B, 533.
1923 C, 605, 607.
Sabatier, A. 1897 A, 805 ("crocodiliens").
1897 B, 933.
1902 A, 99 ("crocodiliens").
Schlosser, M. 1898 D, 120 ("krokodile").
1903 G, 145.
Schmidt, W. J. 1914 B, 643 ("crocodile").
Schöne, G. 1902 A, 17 ("krokodile").
Seeley, H. G. 1872 A, 275 ("crocodiles").
1872 B, 36 ("crocodiles").
1878 B, 428 ("crocodiles").
1882 A, 366.
1887 D, 341.
1887 E, 191.
1888 I, 235.
Seemann, G. 1926 A, 107 ("krokodile").
Sewertzoff, A. N. 1908 A.
Shore, T. W. 1887 A, 366.
Simpson, G. G. 1926 E, 6 ("crocodiles").
Sixta, V. 1900 B, 340 ("krokodile").
Sonies, F. 1907 A, 406 ("crocodile").
Stannius, H. 1856 A, 8, seq. (Crocodila).
Stehli, G. 1910 A, 775 ("krokodile").
Steiner, H. 1922 A, 330, 339.
Steinmann, G. 1907 A, 429.
1908 A, 213 ("krokodile").
1910 A, 99.
1912 B, 718, 731.
Strecker, C. 1887 A, 304 ("krokodile").
Stromer, E. 1912 A, 80, 125.
Taschenberg, O. 1894 A, 3632.
Terra, P. 1911 A, 237.
Tims, H. W. M. 1903 A, 133.
Tornier, G. 1909 A, 195 ("krokodile").
1909 C, 547.
1913 A, 336.
1913 B, 359, 374.
Troxell, E. L. 1925 D, 605 ("crocodiles").
Vallois, H. V. 1921 A, 973 ("crocodiliens").
Van den Broeck, E. 1900 A, 88, 107 ("crocodiliens").
Versluys, J. 1903 A, 168 ("crocodilier").
1912 A, 491 ("crocodilier").
1912 B, 649, 687.
1919 A, 7.
Virchow, H. 1914 B, 106 ("krokodile").
Voeltzkow, A. 1899 A.
Voeltzkow and Döderlein 1901 A, 316 ("krokodile").
Wagner, L. 1834 A ("krokodile").
Wallace, A. R. 1876 A, I, 100; II, 405-407.
Watson, D. M. S. 1916 C, 611 ("crocodiles").
1917 A, 984 ("crocodiles").
Werner, F. 1904 A, 339 ("krokodile").
Williston, S. W. 1906 A.
1911 F, 661.
1912 E, 260.
1914 A, 18, 45, 194.
1916 B, 193.
1917 C, 412.
1918 A, 79, 80.
1925 A, *passim*.
1925 B, 213, 287 (Crocodilia, Loricata, Parasuchia).
Woodward, A. S. 1922 C, 10.
Woodward, H. 1904 B, 149.
Wright, W. 1909 A, 674.
Ziegler, H. E. 1901 A, 232 ("krokodile").
Zittel and Broili 1911 A, 261.
1923 A, 318.
Zittel, Eastman, etc. 1902 A, 208.

Order PHYTOSAUROMORPHI, new name.

Unless otherwise indicated, the authors, as cited, employ for this order the name Parasuchia.

Boulenger, G. A. 1903 A, 357 (Thecodontia).
1904 C, 480 (Thecodontia).
Broom, R. 1914 H, 1077 (Thecodontia).
Fuchs, H. 1909 B, 130, 149.
Gadow, H. 1901 B, 432 (Crocodilia, in part).
Huene, F. 1902 A, 54, 71.
1908 B, 388.
1908 E, 380 ("parasuchier").
1911 E, 67, 117 ("parasuchier").
1914 G, 47, 49, pl. vii ("parasuchier").
1922 E, 22 (Thecodontia).
1922 F, 408 (Thecodontia).
1922 I, xlv (Thecodontia).
1926 I, 52, 85, 102 (Thecodontia).
Huene, F. 1927 E, 320 (Thecodontia).
Lull, R. S. 1910 A, 4.
Lydekker, R. 1907 C, 458.
McGregor, J. H. 1904 A, 255.
1906 A, 31, 91.
Nopcsa, F. 1923 H, 89-180 ("thecodontier"); 125 (Thecodontia).
1928 A, 181 (Thecodontia; not of Owen).
Osborn, H. F. 1903 H, 454, 456, 504 (Phytosauria).
1904 H, 112.
1904 N, 308.
1905 C, 295.
Steiner, H. 1922 A, 339 (Thecodontia).
Stromer, E. 1912 A, 83.
Watson, D. M. S. 1916 C, 611 ("thecodonts").
1917 C, 179 (Thecodontia).

Williston, S. W. 1914 A, 18, 186.
1925 A, 114.
1925 B, 213, 284.
Zittel and Broili 1911 A, 251.
1923 A, 314.

Suborder AËTOSAURIFORMES, new name.

Unless otherwise indicated the authors, as cited, use for this group the name Pseudosuchia.

Hay, O. P. 1902 A, 511 (Aëtosauria).
Abel, O. 1919 A, 524.
1920 A, 379.
1926 B, 38 ("aëtosaurier").
Brauns, D. 1890 A, 160, fig. 4 (Aëtosaurus).
Broom, R. 1901 A, 188 (Aëtosauria).
1913 O, 629.
1924 B, 65.
Cope, E. D. 1891 N, 45.
Fraas, E. 1911 B, 30 ("aëtosaurier").
Fuchs, H. 1909 B, 149 (Aëtosauria).
Gadow, H. 1901 B, 432.
Gilmore, C. W. 1926 B, 328, 338 (Aëtosauria).
Gregory, W. K. 1915 E, 448 ("aëtosaurs").
Heilmann, G. 1926 A, 207, figs. 5, 81, 133.
Huene, F. 1908 B, 388, 395.
1911 D, 28 ("pseudosuchier").
1911 E, 116.
1914 A, 146.
1914 G, 4, 20, pl. vii.
1920 A, 160.
1921 D, 391, 394, 395.
1922 E, 22.
1922 F, 408.
1922 I, xlv ("pseudosuchier").
1925 G, 316 ("pseudosuchier").
1926 B, 104.
1926 I, 52, 64, 85, 102 ("pseudosuchier").
1927 E, 320 (Pseudosuchia).
Jaekel, O. 1910 C, 340 (Ætosauri).
1911 A, 164 (Ætosauri).
Lull, R. S. 1915 A, 174 (Aëtosauria).
Lull, R. S. 1924 A, chart.
Lydekker, R. 1907 C, 458 (Aëtosauria).
McGregor, J. H. 1904 A, 255 (Aëtosauria).
1906 A, 81, 91 (Aëtosauria).
Marsh, O. C. 1884 A, 167 (Aëtosauria).
Moodie, R. L. 1909 G, 363 (Ætosauria).
Nopcsa, F. 1923 H, 8, 10, tab. (Ætosauria); 125 (Aëtosauridæ, Aëtosaurinæ; Parasuchia, in part).
1928 A, 181 (Parasuchoidea, in part).
Osborn, H. F. 1903 H, 456 ("aëtosaurs").
1904 H, 112 (Ætosauria).
Stehli, G. 1910 A, 790 (Pseudosuchia).
Steiner, H. 1922 A, 339 (Pseudosuchia, Thecodontia).
Steinmann, G. 1907 A, 433.
Stromer, E. 1912 A, 82 (Aëtosauria).
Watson, D. M. S. 1916 C, 611 (Thecodontia, in part).
1917 C, 179 (Thecodontia, in part).
Wegner, R. N. 1922 A, 480.
Williston, S. W. 1909 A, 396 ("aëtosaurs").
1914 A, 18, 45, 187.
1917 C, 412.
1925 A, 11, 18, 19, 21, 32, 77, 95, 100, 114, 119, 178.
1925 B, 284.
Zittel and Broili 1923 A, 316.
Zittel, Eastman, etc. 1902 A, 211.

Pseudosuchia is long antedated by Aëtosauria of Marsh. Owen's Thecodontia did not include the Aëtosauria; the type genera were stated to be *Thecodontosaurus*, *Palæosaurus*, and *Cladyodon*. All these are theropodous dinosaurs.

AËTOSAURIDÆ Lydekker.

Lydekker, R. in Nicholson and Lydekker 1889 A, 1112.
Hay, O. P. 1902 A, 511.
Abel, O. 1912 F, 563 ("aëtosauriden").
1919 A, 529.
Cope, E. D. 1889 R, 866.
Fraas, E. 1907 B, 101 (Aëtosaurus).
Hay, O. P. 1928 A, 5 (Aëtosaurus).
Huene, F. 1915 A, 490 (Typothoracidæ).
1920 A, 161.
1920 G, 465 ("pseudosuchier").
1921 D, 330, pl. i, figs. 1-8; text-figs. 2-7 (Aëtosaurus).
Huene, F. 1922 E, 22.
1922 H, 84 (Aëtosaurus).
Jaekel, O. 1910 C, 340.
Lull, R. S. 1917 D, 110.
Newton, E. T. 1894 A, 599 (Aëtosaurus).
Nopcsa, F. 1923 H, 125 (With subfamilies Aëtosaurinæ, Stegominæ).
1928 A, 182.
Stehli, G. 1910 A, 790, figs. 18, 19 (Aëtosaurus).
Tornier, G. 1913 B, 358 (Aëtosaurus).
Watson, D. M. S. 1917 C, 180.
Zittel and Broili 1911 A, 260.

TYPOTHORAX Cope. Type *T. coccinarum* Cope.

Hay, O. P. 1902 A, 511.
Branson, E. B. 1905 B, 568.
Lydekker, R. 1912 C, 121.
Nopcsa, F. 1928 A, 182.
Zittel and Broili 1911 A, 260.
1923 A, 317.

Typothorax coccinarum Cope.

Hay, O. P. 1902 A, 511.
Cross, W. 1907 A, 640 ("Typothorax").
Cross and Howe 1905 A, 494.
Gregory and Camp 1918 A, 531, text-fig. 11.
Huene, F. 1915 A, 485, figs. 1-10.
Merrill, G. P. 1907 A, 81.
Triassic (Dolores); New Mexico.

STEGOMUS Marsh. Type *S. arcuatus* Marsh.

Hay, O. P. 1902 A, 511.
Abel, O. 1919 A, 532.
Emerson and Loomis 1904 A, 377.
Huene, F. 1902 A, 60.
1908 B, 392.
1914 G, 17, 35.
1920 A, 161.
Lull, R. S. 1904 B, 381.
1904 D, 147, figs.
1910 A, 4.
1912 D, 416.
Nopcsa, F. 1922 B, 174.
1923 H, 86, 87 (Stegomus); 125 (Stegominæ).
Osborn, H. F. 1917 B, 211, fig.
Steiner, H. 1922 A, 351.
Watson, D. M. S. 1917 C, 180.
Williston, S. W. 1925 B, 285.

Stegomus arcuatus Marsh.

Hay, O. P. 1902 A, 511.
Abel, O. 1926 B, 19.
Emerson and Loomis 1904 A, 379.
Heilmann, G. 1916 A, 111.
Huene, F. 1914 G, 17, 35, fig. 49.
1915 A, 490, 492.
1920 G, 485, 487.
1922 E, 23.
1922 F, 409, 410, tab.
1922 H, 84, 152.
1926 E, 5, 6.
Lull, R. S. 1904 B, 382.
1912 D, 410, 412.
1915 A, 43, 79, 99, pl. vii.
1917 D, 110, 111.
Rice and Gregory 1906 A, 174.
Schuchert, C. 1910 A, 438, 579.
Triassic (Newark); Connecticut.

STEGOMOSUCHIDÆ Huene.

Huene, F. 1922 E, 22.
Gilmore, C. W. 1926 B, 326, 340.

Huene, F. 1922 F, 409.

STEGOMOSUCHUS Huene. Type *Stegomus longipes* Emerson and Loomis.

Huene, F. 1922 E, 23.
1922 F, 409.
1925 G, 317.
Nopcsa, F. 1928 A, 182.

Stegomosuchus longipes (Emerson and Loomis).

Emerson and Loomis 1904 A, 377, pl. xxii (Stegomus).
Gilmore, C. W. 1926 B, 325, fig. 4.
1928 F, 7.
Heilmann, G. 1916 A, 110, figs. 200, 201 (Stegomus).
Huene, F. 1914 G, 17, 44, text-figs. 42, 45-48 (Stegomus).

Huene, F. 1915 A, 490 (Stegomus).
1920 G, 485, 487 (Stegomus).
1922 E, 22, 23.
1922 F, 409.
1922 H, 153 (Stegomus).
1926 E, 6.
Lull, R. S. 1904 B, 381 (Stegomus).
1905 C, 299 (Stegomus).
1912 D, 411, 412, 413, fig. 1 (Stegomus).
1915 A, 102, 175, pls. ii, viii; text-figs. 10, 11 (Stegomus).
1917 D, 110, 111, pl. iii, fig. 2 (Stegomus).
Lydekker, R. 1905 B, 278 (Stegomus).
Rice and Gregory 1906 A, 174 (Stegomus).
Schuchert, C. 1910 A, 438 (Stegomus).
Triassic (Newark); Massachusetts.

HOPLOSUCHUS Gilmore. Type *H. kayi* Gilmore.

Gilmore, C. W. 1926 B, 326.

Hoplosuchus kayi Gilmore.

Gilmore, C. W. 1926 B, 326, pls. xxvii-xxix; text-figs. 1-3.
Upper Jurassic or Lower Cretaceous (Morrison); Utah.

Suborder DESMATOSUCHIFORMES, new name.

Case, E. C. 1920 B, 529 (Desmatosuchia).
1922 A, 445 (Desmatosuchia).
1922 B, 26 (Desmatosuchia).
Huene, F. 1921 E, xlv ("desmatosuchier").

Nopcsa, F. 1928 A, 182 (Pelycosimia).
Williston, S. W. 1925 B, 286 (Desmatosuchia).
Zittel and Broili 1923 A, 318 (Desmatosuchia).

DESMATOSUCHIDÆ Case.

Case, E. C. 1920 B, 529.
Huene, F. 1922 E, 23.
1922 F, 410.
1922 H, 158.

Huene, F. 1922 I, xlv ("desmatosuchiden").
Nopcsa, F. 1923 H, 91, 125.
1928 A, 182.

DESMATOSUCHUS Case. Type *D. spurensis* Case.

Case, E. C. 1920 B, 529.
1921 A, 133.
1921 C, 445.
1922 B, 26.
Huene, F. 1922 E, 23.
1922 F, 410.
1922 H, 147.
1926 E, 3, 4, 8.
1926 I, 59, 61, 76.
Mehl, M. G. 1928 B, 16.
Nopcsa, F. 1923 H, 86, 89, 90, 91.
1928 A, 182.
Williston, S. W. 1925 B, 286.
Zittel and Broili 1923 A, 318.

Desmatosuchus spurensis Case.

Case, E. C. 1920 B, 529, figs. 1-4.
1921 A, 133, pls. i-iii.
1922 B, 26, pls. v-x; text-figs. 7-10.
1928 A, 163 ("Desmatosuchus").
Huene, F. 1922 F, tab.
1922 H, 147, 149, figs. 152, 153.
1926 E, 5.
Zittel and Broili 1923 A, 318, fig. 429.
Triassic (Dockum); Texas.

ACOMPSOSAURUS Mehl. Type *A. wingatensis* Mehl.

Mehl, M. G. 1915 C, 735.
Branson and Mehl 1928 A, 326.
Huene, F. 1922 F, 411.
1922 H, 150.
1926 E, 3.
Mehl, M. G. 1916 A, 39.
Nopcsa, F. 1923 H, 89, 90.
A genus of uncertain ordinal position.

Acompsosaurus wingatensis Mehl.

Mehl, M. G. 1915 C, 735.
Case, E. C. 1922 B, 74.
Huene, F. 1922 H, 148.
1926 E, 4.
Mehl and Schwartz 1916 A, 33, pl. iii; text-figs. 12-14.
Triassic (Wingate); New Mexico.

Suborder PHYTOSAURIFORMES, new name.

Unless otherwise indicated, the authors, as cited, use for this group the name Parasuchia.
Hay, O. P. 1902 A, 509.
Abel, O. 1919 A, 513.
1920 A, 378.
1922 D, 26 ("parasuchier").
Arldt, T. 1907 D, 671.
Auer, E. 1909 A, 286.
Brauns, D. 1890 A, 202 (Belodontia).
Broom, R. 1903 D, 287.
1904 C, 111 ("phytosaurians").
1906 B, 599 (Phytosauria).
1913 O, 629.
1924 B, 64, fig. 13 (Phytosauria).
Case, E. C. 1922 B, 32, 33, 48, 55 (Parasuchia); 35, 51 (Phytosauria).
Cope, E. D. 1891 N, 45.
Dollo, L. 1907 D, 85 ("parasuchiens").
Eastman, C. R. 1917 B, 656 ("phytosaurs").
Fraas, E. 1902 B, 69.
1905 B, 370 (Phytosauria).
Fuchs, H. 1909 B, 130 (Phytosauria); 145, 149 (Parasuchia).
1911 B.
Fürbringer, M. 1904 A, 581 (Phytosauria).
Gadow, H. 1901 B, 433.
1902 B, 360.
Goodrich, E. S. 1916 A, 263 (Phytosauria).
Gregory and Adams 1915 A, 764 ("phytosaurs").
Heilmann, G. 1913 B, 50.
1916 A, 75.
Hoffmann, C. K. 1890 B, 1326.
Huene, F. 1908 B, 388, 395 (Phytosauria).
1908 E, 380 ("parasuchier").
1911 A, 736 ("phytosaurier").
1911 D, 45 ("phytosaurier").
1911 E, 67, 117 ("parasuchier"); 100 ("phytosaurier").
Huene, F. 1914 G, 47, 49, pl. vii ("parasuchier").
1922 E, 22.
1922 F, 408 ("parasuchier").
1922 H, 59 ("parasuchier").
1922 I, xlv ("phytosaurier").
1926 I, 52, 59, 63, 102.
1927 E, 320.
Huxley, T. H. 1875 E, 71.
1877 A, 56.
Jaekel, O. 1910 C, 340 (Belodontia).
1910 E, 205 (Belodontia); 220 (Parasuchi).
1911 A, 163 (Belodonti).
Kingsley, J. S. 1925 A, 166.
Lull, R. S. 1904 D, 148.
1910 A, 4.
1912 D, 411.
1915 A, 98.
1917 B, 322.
1917 C, 110.
Lydekker, R. 1887 C, 311.
1907 C, 458 (Phytosauria).
1912 C, 4, 20, 27.
McGregor, J. H. 1901 A, 272 ("belodonts").
1904 A, 254 (Phytosauria).
1906 A, 31 (Phytosauria).
Mehl, M. G. 1904 A, 254 (Phytosauria).
1906 A, 31 (Phytosauria).
1915 A, 129 (Phytosauria).
1928 B, 19.
1928 C, 141 (Phytosauria).
Merriam, J. C. 1904 A, 421.
1912 B, 222 (Pasachusia, err. typ.).
Moodie, R. L. 1909 G, 363 (Phytosauria).
1922 A, 417 (Phytosauria).
Newton, E. T. 1894 A, 586, 601.
Nicholson and Lydekker 1889 A, 1183.
Nopcsa, F. 1922 A, 112, 116 (Parasuchia); 112 ("phytosaurier").
1923 E, 1045 ("parasuchians").

Nopcsa, F. 1923 H, 3-188, tab.
Osborn, H. F. 1903 F, 276 (Phytosauria).
1903 H, 454, 456, 504 (Phytosauria).
1904 H, 112 (Phytosauria).
1904 N, 308 (Phytosauria).
1905 C, 295 (Phytosauria).
1905 N, 239.
1917 B, 319 ("phytosaurs").
Pompeckj, J. F. 1925 A, 23 ("parasuchier").
Reynolds, S. H. 1897 A, 211.
Seeley, H. G. 1887 E, 189.
Sewertzoff, A. N. 1908 A (Phytosauria).
Stehli, G. 1910 A, 790.
Steiner, H. 1922 A, 339.
Steinmann, G. 1909 A, 80 (Phytosauria).
Stromer, E. 1912 A, 83 (Phytosauria).
Tornier, G. 1913 B, 357, 374.
Troxell, E. L. 1925 C, 490.
Van den Broeck, E. 1900 A, 107.
Versluys, J. 1912 B, 573, 647.
Wegner, R. N. 1922 A, 480.
Williston, S. W. 1905 D, 297 (Phytosauria, Belodontia).
1906 A, 3.
1909 A, 395 ("phytosaurs").
1911 F, 661, 663.
1912 E, 260.
1912 F, 92.
1914 A, 18, 45, 184.
1917 C, 412.
1925 A, 114.
1925 B, 213, 284, 286.
Zittel and Broili 1911 A, 257.
1923 A, 313.
Zittel, Eastman, etc. 1902 A, 208.

PHYTOSAURIDÆ Lydekker.

Hay, O. P. 1902 A, 509.
Abel, O. 1919 A, 515.
1920 A, 378 ("phytosauriden").
Arldt, T. 1912 A, 662, 663.
Arthaber, G. 1906 A, 312.
Broom, R. 1914 H, 1076 ("phytosaurs").
Case, E. C. 1921 D, 338 ("phytosaurians").
Hoernes, R. 1886 A, 599 (Belodontidæ).
Huene, F. 1902 A, 61, 71 (Belodontidæ).
1908 B, 394.
1911 E, 116, 120.
1922 E, 23.
1922 F, 411.
1922 H, 158 (Phytosauridæ, Mystriosuchidæ).
1926 I, 74 ("phytosauriden").
1927 E, 320 ("phytosauriden").
Jaekel, O. 1908 B, 467 ("belodontiden").
1910 E, 197 ("belodontiden").
Lydekker, R. 1887 C, 312 (Belodontidæ).
McGregor, J. H. 1902 A, 27 (Belodontia).
1906 A, 92.
Mehl, M. G. 1925 A, 225 ("phytosaurs").
Nopcsa, F. 1923 H, 125 (Belodontidæ, Phytosaurinæ).
1928 A, 182 (Belodontidæ, Mystriosuchinæ, Phytosaurinæ).
Philippi, Frech and Volz 1903 A, 18 ("belodonten").
Tornier, G. 1913 B, 358.
Watson, D. M. S. 1917 C, 179.
Wegner, R. N. 1922 A, 481.
Williston, S. W. 1925 B, 286.
Zittel and Broili 1911 A, 258.

PALÆORHINUS Williston. Type *P. bransoni* Williston.

Williston, S. W. 1904 D, 696.
Branson and Mehl 1928 A, 326.
Case, E. C. 1920 B, 534 (Paleorhinus).
1922 B, 57, 68, text-fig. 23.
Huene, F. 1909 F, 587.
1915 A, 491.
1921 B, 570.
1922 E, 23.
1922 F, 410, 411.
1922 H, 88, 100, 143.
1926 E, 2, 3.
Jaekel, O. 1910 E, 201.
Lees, J. H. 1907 A, 121.
Mehl, M. G. 1915 A, 157.
1928 C, 143, 156.
Nopcsa, F. 1923 H, 83.
Versluys, J. 1912 B, 581, 648, fig. c[1].
Watson, D. M. S. 1917 C, 179.
Williston, S. W. 1925 B, 286.
Zittel and Broili 1911 A, 260.
1923 A, 316.

Palæorhinus bransoni Williston.

Williston, S. W. 1904 D, 696, text-fig. 6.
Huene, F. 1909 F, 592.
1911 A, 736 (Metarhinus).
Huene, F. 1911 E, 106, 118, 120.
1922 F, tab.
1922 H, 148.
1926 E, 4.
Jaekel, O. 1910 E, 215, figs. 10, 12, 13.
Lees, J. H. 1907 A, 123, figs. 1-8.
McGregor, J. H. 1906 A, 96.
Mehl, M. G. 1915 A, 157, figs. 19-20.
1928 C, 141, 154, 171.
Toepelmann, W. C. 1916 A, 43.
Upper Triassic (Popo Agie); Wyoming, Arizona.

Palæorhinus parvus Mehl.

Mehl, M. G. 1928 C, 142, 171, pls. i-iii; text-figs. 1, 2.
Triassic (Popo Agie); Wyoming.

Palæorhinus sp. indet.

Abel, O. 1922 D, 33, fig. 3.
Branson, E. B. 1927 A, 617. Triassic (Wingate); New Mexico.
Mehl, M. G. 1928 C, 142.
Toepelmann, W. C. 1916 A, 40, figs. 15, 16. (This genus?). Triassic (Wingate); New Mexico.

PHYTOSAURUS Jaeger. Type *P. cylindricodon* Jaeger.

Hay, O. P. 1902 A, 509.
Abel, O. 1919 A, 519.
1920 A, 379, figs. 592, 593.
1922 D, 26, 47, 51.
Anderson, R. J. 1905 A, 322 (Belodon).
Arldt, T. 1907 D, 329 (Belodon).
Arthaber, G. 1906 A, 312.
Baur, G. 1889 L, 312 (Belodon).
Boas, J. E. V. 1914 C, 274, fig. 60 (Belodon).
Brauns, D. 1890 A, 160 (Belodon).
Broili, F. 1921 A, 342.
Bronn, H. G. 1849 A, 691 (Belodon).
Broom, R. 1913 O, 629 (Belodon).
Case, E. C. 1898 C, 732 (Belodon).
1920 B, 523.
1921 A, 135 (Belodon).
1922 B, 59, fig. 24.
1927 D, 227.
Cope, E. D. 1880 U, 145 (Belodon).
Depéret, C. 1912 A, 705 (Belodon).
Fraas, E. 1907 B, 106 (Belodon).
Fuchs, H. 1908 C, 217 (Belodon).
Gaudry, A. 1896 A, 122, fig. 99 (Belodon).
Gilmore, C. W. 1910 A, 500 (Belodon).
Hoernes, R. 1886 A, 599 (Belodon).
Hoffmann, C. K. 1890 B, 1326 (Belodon).
Huene, F. 1902 A, 55 (Belodon).
1906 C, 337 (Belodon).
1909 F, 583, figs. 1-2, 5-7.
1910 B, 43.
1911 E, 91, figs. 12-16, 25, 28.
1920 E, 144.
1921 E, xlv.
1922 E, 23.
1922 F, 410.
1922 H, 65, many figs.
1922 I, xlv.
1926 E, 3.
Huxley, T. H. 1870 H, 496.
1870 I, 23 (Belodon).
1875 E, 68, 70 (Belodon).
1876 F, 176 (Belodon).
1877 A, 49.
Jaekel, O. 1908 B, 467 (Belodon).
Koken, E. 1893 B, 270 (Belodon).
1910 E, 201 (Belodon); 214 (Phytosaurus).
Lydekker, R. 1885 G, 15, 21 (Belodon).
1912 C, 19, 120, fig. 2.
McGregor, J. H. 1906 A, 31, 93.
Matthew, W. D. 1915 A, 286 (Belodon).
Mehl, M. G. 1916 A, 21 (Belodon).
1922 A, 151 (Phytosaurus, Lophoprosopus).
Newton, E. T. 1894 A, 585.
Nopcsa, F. 1922 A, 116 (Belodon).
1923 H, 83-85.
Owen, R. 1845 B, 196, pl. lxiii.
Philippi, Frech and Volz 1903 A, 18, pl. xviii (Belodon).
Pictet, F. A. 1853 A, 514.
Plieninger, T. 1847 A, 151 (Belodon).
Reynolds, S. H. 1897 A, 277, 281 (Belodon).
Schuchert, C. 1910 A, 438 (Belodon).
Seeley, H. G. 1892 C, 189 (Belodon).
1899 B, 69 (Belodon).
Seitz, A. L. L. 1907 A, 259 (Belodon).
Steinmann, G. 1907 A, 432 (Belodon).
Tornier, G. 1913 B, 356, 358, figs. 37, 39.
Versluys, J. 1912 B, 648, fig. m^2.
Watson, D. M. S. 1916 C, 611 (Belodon).
1917 C, 179.
Wegner, R. N. 1922 A, 480.
Williston, S. W. 1902 F, 26 (Belodon).
1925 B, 286.
Wiman, C. 1914 A, 184, figs. 94, 96 (Belodon).
1918 A, 83 (Belodon).
Woodward, A. S. 1922 C, 15, fig. 10 (Belodon).
Zittel and Broili 1911 A, 258.
1923 A, 315, fig. 424.
Zittel, Eastman, etc. 1902 A, 210 (Belodon).

Phytosaurus doughtyi Case.

Case, E. C. 1920 B, 533, figs. 5, 6 [P. (Machæroprosopus)].
Huene, F. 1922 F, tab. (P. doughtei).
1922 H, 149.
1926 E, 5. (P. doughti. This genus?).
Triassic (Dockum); Texas.

Phytosaurus leaii (Emmons).

Hay, O. P. 1902 A, 510.
Lyman, B. S. 1894 A, 207 (Belodon).
Mehl, M. G. 1915 A, 162 (Rutiodon carolinensis).
Rogers, H. D. 1858 B, 695 (Clepsysaurus).
Schuchert, C. 1910 A, 579 (Belodon).
Triassic (Newark); North Carolina.

Phytosaurus lepturus (Cope).

Hay, O. P. 1902 A, 510.
Huene, F. 1921 B, 571 ("Belodon" lepturus. Syn? of Rutiodon carolinensis).
Lyman, B. S. 1894 A, 212 (Belodon).
Mehl, M. G. 1915 A, 162 (Syn. of Rutiodon carolinensis).
Triassic (Newark); Pennsylvania.

Phytosaurus scolopax (Cope).

Hay, O. P. 1902 A, 510.
Huene, F. 1922 F, tab. ("gen. indet.").
1922 H, 148, 150 ("gen. indet.").
1926 E, 2 (Belodon).
Lees, J. H. 1907 A, 146 (Belodon).
McGregor, J. H. 1906 A, 94.
Mehl, M. G. 1915 A, 163 (Palæorhinus?).
Triassic; New Mexico.

Phytosaurus superciliosus (Cope).

Hay, O. P. 1902 A, 510.
Huene, F. 1922 F, tab.
1922 H, 149.
1926 E, 5 (This genus?).
McGregor, J. H. 1906 A, 94.
Mehl, M. G. 1915 A, 163.
Triassic (Dockum); Texas.

Phytosaurus validus (Marsh).

Hay, O. P. 1902 A, 510.
Huene, F. 1911 A, 106, 121.
Lull, R. S. 1915 A, 79, 109, text-fig. 12 (Rutiodon).

McGregor, J. H. 1906 A, 95 (Belodon).
Mehl, M. G. 1915 A, 162.
Triassic (Newark); Connecticut.

Phytosaurus sp. indet.

Case, E. C. 1927 D, 227, pl. i (This genus?).
Triassic (Dockum); Texas.

Case, E. C. 1928 A, 161, figs. 1-9 (This genus?).
Upper Triassic; Texas.
Stanton, T. W. 1905 A, 663 ("Belodon." This genus?). Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

ZATOMUS Cope. Type *Z. sarcophagus* Cope.

Hay, O. P. 1902 A, 490.
The position of this genus is doubtful.

Zatomus sarcophagus Cope.

Hay, O. P. 1902 A, 490.

Huene, F. 1914 K, 10.
Triassic (Newark); North Carolina.

Zatomus sp. indet.

Stephenson, L. W. 1912 A, 120 (Zatomis. This genus?).

ANGISTORHINUS Mehl. Type *A. grandis* Mehl.

Mehl, M. G. 1913 B, 186.
Branson, E. B. 1927 A, 617.
Branson and Mehl 1928 A, 326.
Case, E. C. 1920 B, 534.
1922 B, 55, 56, 68, text-fig. 22.
Eastman, C. R. 1917 B, 656.
Eastman, Gregory, Matthew 1917 A, 119.
Huene, F. 1915 A, 491.
1921 B, 570.
1922 E, 23.
1922 F, 410, 411.
1922 H, 88, 142.
1926 E, 2, 3.
Mehl, M. G. 1915 A, 129.
1922 A, 150.
1928 C, 143, 165.
Nopcsa, F. 1923 H, 83, 89.
Williston, S. W. 1925 B, 286.

Angistorhinus gracilis Mehl.

Mehl, M. G. 1915 A, 146, figs. 4, 17, 18.
Huene, F. 1922 F, tab.
1922 H, 148.
1926 E, 4.
Mehl, M. G. 1928 C, 141, 171.
Triassic (Popo Agie); Wyoming.

Angistorhinus grandis Mehl.

Mehl, M. G. 1913 B, 186, fig.
Huene, F. 1922 F, tab.
1922 H, 144.
1926 E, 4.
Mehl, M. G. 1915 A, 129, figs. 1-3, 5, 7?
1925 B, 227.
1928 B, 12, fig. 3.
1928 C, 141, 157, 165, 171.
Wiman, C. 1916 B, 214.
Triassic (Popo Agie); Wyoming.

Angistorhinus maximus Mehl.

Mehl, M. G. 1928 C, 158, text-figs. 3-6.
Triassic (Popo Agie); Wyoming.

Angistorhinus sp. indet.

Huene, F. 1926 E, 4.
Mehl, M. G. 1916 A, 26, pl. ii; text-fig. 11. (This genus?). Triassic; Arizona.
1928 C, 167, figs. 7, 8. Triassic (Popo Agie); Wyoming.

PSEUDOPALATUS Mehl. Type *P. pristinus* Mehl.

Mehl, M. G. 1928 B, 7.

Pseudopalatus pristinus Mehl.

Mehl, M. G. 1928 B, 7, pls. i-iii; text-figs. 1-6.
Triassic (Chinle); Arizona.

LEPTOSUCHUS Case. Type *L. crosbiensis* Case.

Case, E. C. 1922 B, 61, 69.
Huene, F. 1926 E, 8.

Leptosuchus crosbiensis Case.

Case, E. C. 1922 A, 61, pl. xiv; text-fig. 25.
1924 A, 419, pl. xxii, fig. 1; text-figs. 9-12.
Huene, F. 1926 E, 5 (L. crosbyensis).
Mehl, M. G. 1928 B, 11.
Upper Triassic; Texas.

Leptosuchus imperfectus Case.

Case, E. C. 1922 B, 68.
1924 A, 421, pl. xxii, fig. 2; pl. xxiii, fig. 1.
Upper Triassic; Texas.

MACHÆROPROSOPUS Mehl. Type *M. validus* Mehl.

Mehl, M. G. 1916 A, 5, 23, figs. 6-10.
Hay, O. P. 1902 A, 509 (Phytosaurus, in part).
Abel, O. 1922 D, 28, 35, 36 (Syn. of Phytosaurus).
Case, E. C. 1920 B, 534.
Case, E. C. 1922 B, 60, 68, fig. 24 (Phytosaurus).
Eastman, C. R. 1917 B, 656.
Eastman, Gregory and Matthew 1917 A, 119.
Huene, F. 1921 B, 570.
1922 E, 23.

Huene, F. 1922 F, 410, 411.
1922 H, 88, 143.
1926 E, 2, 3.
Mehl, M. G. 1922 A, 157.
Nopcsa, F. 1923 H, 83.
Williston, S. W. 1925 A, 81, fig. 66.
1925 B, 286 (Lophoprosopus).

Machæroprosopus andersoni Mehl.

Mehl, M. G. 1922 A, 144, figs. 1-3.
1925 B, 227.
1928 B, 9, fig. 3.
Upper Triassic; New Mexico.

Machæroprosopus buceros (Cope).

Hay, O. P. 1902 A, 510 (Phytosaurus).
Abel, O. 1922 D, 28, 34, fig. 4 (Phytosaurus).
Broili, F. 1921 A, 342.
Case, E. C. 1920 B, 533, 535 (Phytosaurus).
1928 A, 161 (Belodon).
Cope, E. D. 1891 N, 46, fig. 23 (Phytosaurus).
Huene, F. 1915 A, 490, fig. 11 (Phytosaurus).
1922 F, tab. (This genus?).
1922 H, 148 (Metapasaurus); 156 ("Phytosaurus").
1926 E, 4.
Jaekel, O. 1910 E, 215 (Metarhinus, preoccupied).
McGregor, J. H. 1906 A, 93 (Phytosaurus).
Mansuy, —— 1923 A, 91 (Phytosaurus biacros).
Mehl, M. G. 1915 A, 163 (Lophoprosopus?).
1916 A, 21 (Belodon); 23 (Machæroprosopus).
1928 B, 16 (Belodon).
Nopcsa, F. 1926 A, 647, text-fig. 5 (Phytosaurus).
Triassic; New Mexico.

Machæroprosopus validus Mehl.

Mehl, M. G. 1916 A, 5, figs. 1-5.
Abel, O. 1922 D, 35, fig. 5 (Syn. of M. buceros).
Huene, F. 1922 F, tab.
1922 H, 143.
1926 E, 4.
Mehl, M. G. 1916 A, 24, fig. 10 (1st sp.); 28 (2d sp.).
1922 A, 147, 155.
Triassic (Popo Agie); Arizona.

Machæroprosopus sp. indet.

Huene, F. 1926 E.
Triassic (Popo Agie); Arizona.

Promystriosuchus Case. Type *P. ehlersi* Case.

Case, E. C. 1922 B, 49, 69.
Huene, F. 1926 E, 8.
Mehl, M. G. 1928 C, 165.

Promystriosuchus ehlersi Case.

Case, E. C. 1922 B, 49, pl. ii; text-fig. 21.
Huene, F. 1926 E, 5 (P. œhlersi).
Upper Triassic; Texas.

Heterodontosuchus Lucas. Type *H. ganei* Lucas.

Hay, O. P. 1902 A, 515.
Huene, F. 1926 E, 2.
Lees, J. H. 1907 A, 148.
Mook, C. C. 1925 A, 380.
Williston, S. W. 1904 D, 696.

Heterodontosuchus ganei Lucas.

Hay, O. P. 1902 A, 515.
Broili, F. 1921 A, 342.
Cross, W. 1899 A, 3.
1899 B, 3 (This species?).
1907 A, 659.
1908 A, 113, 116.
Cross and Howe 1905 A, 468, 480, 489.
Darton, N. H. 1910 A, 42.
Gregory, H. E. 1917 A, 46, 47.
Huene, F. 1922 F, tab.
1922 H, 149.
1926 E, 4.
Lucas, F. A. 1901 B, 376.
1902 B, 134.
1904 A, 193.
McGregor, J. H. 1906 A, 63, 94 (Phytosaurus)
Mehl, M. G. 1913 B, 189 (Phytosaurus).
1915 A, 163 (Lophosaurus buceros?).
1916 A, 21.
Merrill, G. P. 1907 A, 73.
Mook, C. C. 1925 A, 380.
Upper Triassic (Chinle); Utah, Arizona: (Dolores); Colorado.

Episcoposaurus Cope. Type *E. horridus* Cope.

Hay, O. P. 1902 A, 511.
Cross and Howe 1905 A, 480.
Huene, F. 1902 A, 57.
1915 A, 493.
1922 E, 23.
1922 F, 411.
1922 H, 143.
1926 E, 2.
Lucas, F. A. 1901 B, 376.
1902 B, 134.
Zittel and Broili 1923 A, 316.
Zittel, Eastman, etc. 1902 A, 210.

Episcoposaurus haplocerus Cope.

Hay, O. P. 1902 A, 511.
Huene, F. 1922 F, tab. (Phytosaurus).
1922 H, 149.
Huene, F. 1926 E, 5 (This genus?).
McGregor, J. H. 1906 A, 96.
Triassic (Dockum); Texas.

Episcoposaurus horridus Cope.

Hay, O. P. 1902 A, 511.
Darton, N. H. 1910 A, 42 ("H. episcoposaurus").
Huene, F. 1902 A, 57.
1915 A, 492, figs. 12-15, 18-27.
1922 F, tab.
1922 H, 148, 149.
1926 E, 5.
1926 I, 62.
McGregor, J. H. 1906 A, 35, 96.
Triassic (Upper); New Mexico.

Episcoposaurus sp. indet.

Cross, W. 1908 A. Triassic (Shinarump); Arizona.

Gregory, H. E. 1917 A, 46. Triassic (Chinle); Arizona.

Huene, F. 1926 E, 9, fig. 6 (This genus?). Middle Triassic; Arizona.

RUTIODON Emmons. Type *R. carolinensis* Emmons.

Hay, O. P. 1902 A, 509 (Phytosaurus, part).
Abel, O. 1919 A, 522 (Syn. of Mystriosuchus).
Arthaber, G. 1906 A, 312 (Rhytidodon).
Case, E. C. 1922 B, 59 (Rhytidiodon).
Huene, F. 1902 A, 61 (Rytidodon).
1908 B, 395 (Rhytidodon).
1913 A, 277.
1915 A, 491.
1920 E, 145.
1922 E, 23.
1922 F, 411.
1922 H, 88, 101, 114.
Lee, J. H. 1907 A, 144 (Rhytidodon).
Lull, R. S. 1915 A, 43, 112.
Lydekker, R. 1911 A, 683 (Rhytitodon).
1914 A, 641.
McGregor, J. H. 1901 A, 272 (Rhytinodon).
1906 A (Rhytidodon).
Matthew, W. D. 1915 A, 286.
Mehl, M. G. 1913 B, 188 (Rhytidodon).
1915 A, 156.
Nopcsa, F. 1923 H, 85-87, pl. iv, fig. 10; pl. v, fig. 10.
Osborn, H. F. 1917 B, 199, 211, figs. (Rhytidodon).
Watson, D. M. S. 1917 C, 179 (Rhytidodon).
Williston, S. W. 1925 B, 286.
Zittel and Broili 1911 A, 259 (Rhytidodon).
1923 A, 316.

Rutiodon carolinensis Emmons.

Hay, O. P. 1902 A, 510 (Phytosaurus carolinensis, P. leaii, P. priscus, P. rostratus, P. serridens).
Abel, O. 1922 D, 52, 53, 57 (Syn. of Phytosaurus buceros).
Case, E. C. 1922 B, 74, 75 (Rhytidiodon, Rhytiodon).
Cross, W. 1899 A, 3 (Belodon priscus. This species?).
Fraas, E. 1907 B, 108 (Rhytidodon).
Hawkins, A. C. 1914 A, 153 (Centemodon sulcatus, Eurydorus serridens).
Huene, F. 1909 F, 592 (Rhytidodon. To Phytosaurus).
1911 E, 106, 119, 121, figs. 29, 30 (Mystriosuchus).
1913 A, 275, pl. xlix.
1915 A, 494.
1921 B, 568, fig. 11 ("Belodon" priscus); 570, figs. 12, 13 (R. carolinensis).
1922 F, tab. (R. carolinensis, R. rostratus).
1922 H, 64, 88, 95, 109, 110, 143 (R. carolinensis, R. rostratus).
Lees, J. H. 1907 A, 149 (Rhytidodon).
Lull, R. S. 1915 A, 110, fig. 13.
Lyman, B. S. 1894 A, 207, 209, 212 (Belodon car.); 212 (Centemodon sulcatus); 207 (Belodon leaii); 207, 209 (B. priscus); 212 (Eurydorus serridens).
McGregor, J. H. 1906 A, 95, figs. 12, 14-26 (Rhytidodon).
Mehl, M. G. 1915 A, 162 (Phytosaurus leaii, P. priscus, P. rostratus, P. serridens as syns.).
Merrill, G. P. 1907 A, 76 (Rhytidodon rostratus).
Moodie, R. L. 1909 G, 364 (Rhytidodon).
Rice and Gregory 1906 A, 172.
Rogers, H. D. 1858 B, 695 (R. car., Paleosaurus sulcatus); 695 (Phytosaurus leaii).
Schuchert, C. 1910 A, 579 (Belodon car., B. leaii).
Sinclair, W. J. 1918 A, 457.
Williston, S. W. 1914 A, 190, fig. 95.
1925 A, 141, 145, figs. 111, 118.
Wiman, C. 1918 A, 83 (Rhytidodon).
Zittel and Broili 1911 A, 259, fig. 405 (Rhytidodon).
Triassic (Newark); North Carolina:? (Dolores); Colorado.

Rutiodon manhattanensis Huene.

Huene, F. 1913 A, 277, pl. 1, text-fig. 14.
Abel, O. 1926 B, 19 (Phytosaurus).
Huene, F. 1915 A, 494.
1921 B, 571.
1922 F, tab.
1922 H, 143, 152.
1926 E, 5 (This genus?).
Lull, R. S. 1915 A, 113, pls. iii, ix.
Lydekker, R. 1914 A, 641.
Matthew, W. D. 1911 A, 28 ("dinosaur").
Sinclair, W. J. 1918 A, 457, figs. 1-10.
Triassic (Newark); New York.

Rutiodon validus Lull.

Lull, R. S. 1915 A, 79, 109, text-fig. 12.
Hay, O. P. 1902 A, 510 (Phytosaurus).
Abel, O. 1926 B, 19 (Phytosaurus).
Huene, F. 1911 A, 106, 121 (Phytosaurus).
1921 B, 571 (Syn? of Rutiodon carolinensis).
1922 F, tab. (Rutiodon).
1922 H, 143 (Belodon).
1926 E, 5 (Rutiodon?).
Lull, R. S. 1912 D, 411, 413, 414 (Rhytidodon).
1917 D, 110, 111 (Rutiodon).
McGregor, J. H. 1906 A, 95 (Belodon).
Mehl, M. G. 1915 A, 162 (Phytosaurus).
Triassic (Newark); Connecticut.

Rutiodon sp. indet.

Cross, W. 1899 B, 3 (Belodon). Triassic (Dolores); Colorado.
1905 B, 5 (Belodon). Triassic (Dolores); Colorado.

Order CROCODILOMORPHI, new name.

Nopcsa, F. 1928 A, 186 (Crocodilia).

Suborder GONIOPHOLIDIFORMES, new name.

Andrews, C. W. 1913 A, 80 (Mesosuchia).
Gilmore, C. W. 1926 B, 340 (Mesosuchia).
Huxley, T. H. 1875 B, 427 (Mesosuchia).
Lydekker, R. 1887 C, 311 (Mesosuchia).
1888 B, 76 ("amphicœlian series").
Newton, E. T. 1894 A, 586 (Mesosuchia).
Nicholson and Lydekker 1889 A, 1185 ("amphicœlian series").
Simpson, G. G. 1926 E, 6 ("brevirostrines").
1926 H, 204 ("brevirostral crocodiles").
Williston, S. W. 1914 A, 204 (Mesosuchia).
Woodward, A. S. 1898 B, 218 (Mesosuchia).
Zittel, K. A. 1890 A, 636, 647 (Mesosuchia).
Zittel and Broili 1923 A, 321 (Mesosuchia).

GONIOPHOLIDIDÆ Lydekker.

Lydekker, R. 1887 C, 312.
Hay, O. P. 1902 A, 516 (Goniopholidæ).
Arldt, T. 1907 D, 656 (Goniopholidæ).
Lydekker, R. 1912 C, 119.
Nopcsa, F. 1928 A, 187 (Goniopholidæ, Goniopholinæ, Hyposaurinæ).
Van den Broeck, E. 1900 A, 110.
Williston, S. W. 1906 A, 9.
1925 B, 289 (Goniopholidæ).
Zittel and Broili 1911 A, 270 (Goniopholidæ).
1923 A, 329 (Goniopholidæ).

GONIOPHOLIS Owen. Type *G. crassidens* Owen.

Hay, O. P. 1902 A, 516.
Abel, O. 1922 C, 384, fig. 328.
Andrews, C. W. 1913 B, 494.
Cannon, G. L. 1894 A, 246 (Diplosaurus).
Hooley, R. W. 1907 A, 50.
Hulke, J. W. 1878 A, 377, pl. xv.
Huxley, T. H. 1859 E, 445.
1859 I, 310.
1877 A.
Jaekel, O. 1927 A, 267, fig. 8.
Kesteven, H. L. 1919 A, 230, fig. 9.
Loomis, F. B. 1901 A, 195.
Lull, R. S. 1911 B, 177.
Lydekker, R. 1912 C, 119.
Mantell, G. A. 1844 A, 721.
Mook, C. C. 1916 A, 153, 155.
1925 A, 321 (Goniopholis); 379 (Diplosaurus, Amphicotylus).
Nopcsa, F. 1923 H, 109.
1925 B, 10.
1928 A, 187.
Owen, R. 1842 F, 71, 73.
1879 D, 149.
Reynolds, S. H. 1897 A, 275.
Sauvage, H. E. 1901 B, 10.
Schuchert, C. 1918 B, 259 (Diplosaurus).
Simpson, G. G. 1926 E, 7.
1926 H, 204.
Troedsson, G. T. 1924 A, 49.
Van den Broeck, E. 1900 A, 111.
Williston, S. W. 1905 B, 346 (Diplosaurus, Goniophilis).
1906 A, 3, 7 (Goniopholis); 7, 8 (Diplosaurus).
1925 B, 289.
Zittel and Broili 1911 A, 270.
1923 A, 329, fig. 442.

Goniopholis affinis Lull.

Lull, R. S. 1911 C, 210, pl. xx, fig. 7.
Gilmore, C. W. 1921 E, 589, pl. cx, fig. 1.
Lull, R. S. 1911 B, 177.
Mook, C. C. 1925 A, 329, fig. 5.
Lower Cretaceous (Arundel); Maryland.

Goniopholis felix (Marsh).

Hay, O. P. 1902 A, 516.
Lull, R. S. 1911 C, 211.
Mook, C. C. 1916 A, 148.
1925 A, 324, fig. 2.
Williston, S. W. 1906 A, 7 (Diplosaurus).
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Goniopholis? gilmorei.

Holland, W. J. 1905 A, 431, pl. xvi.
Abel, O. 1922 C, 440, fig. 379.
Mook, C. C. 1916 A, 148.
1925 A, 326, figs. 3, 4.
Williston, S. W. 1906 A, 8.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Goniopholis lucasii Cope.

Hay, O. P. 1902 A, 516.
Abel, O. 1922 C, 436 (Amphicotylus lucasi).
Mook, C. C. 1916 A, 148.
1925 A, 325 (Goniopholis); 380 (Amphicotylus).
Williston, S. W. 1906 A, 7 (Amphicotylus).
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Goniopholis nanus (Marsh).

Marsh, O. C. 1895 A, 405 (Diplosaurus).
Williston, S. W. 1905 B, 341 (Diplosaurus).
1906 A, 8 (Diplosaurus).
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Goniopholis vebbianus (Cope).

Hay, O. P. 1902 A, 516.
Cope, E. D. 1874 B, 431 (Hyposaurus vebbii).
Mook, C. C. 1916 A, 155 (Hyposaurus vebbii).
1925 A, 322, fig. 1.
Sauvage, H. E. 1901 B, 10 (Hyposaurus webbii).
Troxell, E. L. 1925 C, 491 (Hyposaurus).
Williston, S. W. 1905 B, 346 (Hyposaurus vebbii).
1906 A, 7 (Hyposaurus vebbii or H. vebbianus).
Upper Cretaceous (Benton); Kansas.

Goniopholis sp. indet.

Gilmore, C. W. 1909 B, 39. Upper Jurassic or Lower Cretaceous (Morrison); Colorado.
1914 A, 4, 25. Upper Jurassic or Lower Cretaceous (Morrison); Colorado.
Simpson, G. G. 1926 E, 3. Upper Jurassic; Wyoming.
Williston, S. W. 1906 A, 7. Lower Cretaceous (Comanche); Kansas.

CŒLOSUCHUS Williston. Type *C. reedi* Williston.

Williston, S. W. 1906 A, 9.
Mook, C. C. 1925 A, 382.
Nopcsa, F. 1923 H, 113.
1928 A, 187.
Williston, S. W. 1925 B, 289.
Zittel and Broili 1911 A, 270.
1923 A, 329.

Cœlosuchus reedi Williston.

Williston, S. W. 1906 A, 9, text-figs. 1-12.
Mook, C. C. 1925 A, 382, figs. 37-42.
Upper Cretaceous (Benton); Wyoming.

PHOLIDOSAURIDÆ Williston.

Williston, S. W., in Zittel, Eastman, etc. 1902 A, 215.
Abel, O. 1919 A, 546.
Andrews, C. W. 1913 B, 492.
Koken, E. 1887 A.
Williston, S. W. 1906 A, 6.
1925 B, 288.
Zittel, K. A. 1890 A, 670 (Macrorhynchidæ).
Zittel and Broili 1911 A, 269 (Macrorhynchidæ).
1923 A, 327.
Zittel, Eastman, etc. 1902 A, 215.

HYPOSAURUS Owen. Type *H. rogersii* Owen.

Hay, O. P. 1902 A, 516.
Anonymous 1906 D, 711.
Arldt, T. 1907 D, 90.
Cope, E. D. 1885 Z, 15.
Huxley, T. H. 1875 E, 75.
Mook, C. C. 1925 A, 343 (Syn. of Goniopholis).
Nopcsa, F. 1928 A, 187.
Sauvage, H. E. 1901 B, 10.
Thevenin, A. 1911 A, 3.
Toula and Kail 1885 A, 354.
Troedsson, G. T. 1924 A, 8.
Troxell, E. L. 1925 A, 221.
1925 C, 489, 492, fig.
1925 D, 613.
Williston, S. W. 1906 A, 1.
Zittel and Broili 1911 A, 270.

Hyposaurus ferox Marsh.

Hay, O. P. 1902 A, 516.
Mook, C. C. 1925 A, 347.
Williston, S. W. 1906 A, 4.
Upper Cretaceous (Middle marl); New Jersey.

Hyposaurus natator Troxell.

Troxell, E. L. 1925 C, 496-505, figs. 2-8, 14, 15.
Upper Cretaceous (Hornerstown); New Jersey.

Hyposaurus natator oweni Troxell.

Troxell, E. L. 1925 C, 505, figs. 9-13.
Upper Cretaceous (Marl); New Jersey.

Hyposaurus rogersii Owen.

Hay, O. P. 1902 A, 516.
Berry, E. W. 1916 A, 349, pl. viii, figs. 3, 4.
Cope, E. D. 1885 Z, 15 (H. rodgersi).
Mook, C. C. 1925 A, 344, figs. 14, 15.
Sauvage, H. E. 1901 B, 10 (H. rogertii).
Troxell, E. L. 1925 C, 490.
Williston, S. W. 1906 A, 1.
Upper Cretaceous (Greensand); New Jersey: (Monmouth); Maryland.

TELEORHINUS Osborn. Type *T. browni* Osborn.

Osborn, H. F. 1904 P, 239 (with *Terminonaris* as substitute name).
Mook, C. C. 1925 A, 381.
Nopcsa, F. 1928 A, 187.
Williston, S. W. 1905 G, 183 (Teleorrhinus).
1906 A, 5.
1925 B, 288, 289.
Zittel and Broili 1911 A, 269.

Teleorhinus browni Osborn.

Osborn, H. F. 1904 P, 239.
Mook, C. C. 1925 A, 381, fig. 36.
Thevenin, A. 1911 A, 4, 6.
Williston, S. W. 1906 A, 6.
Upper Cretaceous (Benton); Montana.

Suborder GAVIALIFORMES, new name.

Huxley, T. H. 1875 B, 430 ("long-snouted crocodiles").
Lydekker, R. 1888 B, 62 ("longirostrine section").
Nicholson and Lydekker 1889 A, 1192 ("longirostrine section").
Zittel, K. A. 1890 A, 658 (Longirostres).

GAVIALIDÆ Adams.

Adams, A. 1854 A, 70.
Hay, O. P. 1902 A, 515.
Abel, O. 1919 A, 553.
Arldt, T. 1907 D, 655.
Brauns, D. 1890 A, 152 ("gavialen").
Carus, V. 1875 A, 409.
Gadow, H. 1901 B, 451.
Gaupp, E. 1895 A, 58 ("gavialen").
Geoffroy St. Hilaire, E. F. 1825 B, 97 ("gavials").
Gray, J. E. 1867 C, 132.
1872 B, 4, 5.
Hoernes, R. 1886 A, 602.
Huxley, T. H. 1859 B, 16.
1859 I, 287, 300.
Lobley, J. L. 1908 A, 199, 208.
Nopcsa, F. 1923 H, 83 ("gavialen"); 126 (Gavialinæ).
1926 A, 646 ("gavials").
1928 A, 187 (Gavialinæ).
Sellards, E. H. 1915 A, 135.
Terra, P. 1911 A, 237.
Tornier, G. 1913 B, 361.
Troedsson, G. T. 1924 A, 49, 67.
Williston, S. W. 1914 A, 203.
1925 B, 289.
Zittel and Broili 1911 A, 271.
1923 A, 330.
Zittel, Eastman, etc. 1902 A, 221.

GAVIALIS Oppel. Type *G. gangeticus* Linnæus.

Hay, O. P. 1902 A, 515.
Abel, O. 1909 A, 251.
1912 F, 515.
Arldt, T. 1907 D, 215.
1911 A, 228.
Auer, E. 1909 A, 287.
Baur, G. 1891 F, 335.
Bronn, H. G. 1849 A, 687.
Cuvier, G. 1808 E, 74 ("gavial").
1825 A, v, 2, 59, 106, pl. iii, figs. 5-7; pl. viii, figs. 1, 2.
Dollo, L. 1889 B, 677.
Fuchs, H. 1909 A, 350.
Gadow, H. 1901 B, 451.
Geoffroy St. Hilaire, E. F. 1825 A, 13.
1825 B, 97.
Gervais, P. 1859 A, 447.
Giebel, C. G. 1855 A, 34, pl. xxxviii.
Gray, J. E. 1867 C, 132.
1872 B, 5.
Hoffmann, C. K. 1890 B, 1059, 1062, pl. lix.
Howes, G. B. 1894 A, 80.
Huene, F. 1908 E, 379.
Huxley, T. H. 1859 I, 304.
1875 E, 75.
Jäger, G. 1863 A, 101, pl. ("reptile").
Klein, E. F. 1863 A, 71.
Lemoine, V. 1884 C, 158, pl. iv.
Leunis and Ludwig 1883 A, 545.
Mook, C. C. 1921 H, 128, fig. 1.
Nopcsa, F. 1923 H, 12, 13, 87, 109, 110-112, pl. iii, fig. 7.
1928 A, 187.
Owen, R. 1845 B, 286, pl. lxxv, fig. 2.
1866 A, 406.
Rovereto, C. 1912 A, 367 (Garialis).
Troedsson, G. T. 1924 A.
Troxell, E. L. 1925 A, 220, 221.
Versluys, J. 1919 A, 23.
Williston, S. W. 1904 B, 177, text-fig. 10.
1914 A, 198, figs. 101, 102, 105 ("gavial").
1918 A, 79, fig. 3.
1925 A, 103, 115, 141, figs. 80, 90, 112.
1925 B, 289.
Zittel and Broili 1911 A, 272.
1923 A, 322, fig. 432.
Zittel, Eastman, etc. 1902 A, 221.

Gavialis fraterculus Cope.

Hay, O. P. 1902 A, 515.
Mook, C. C. 1925 A, 346, fig. 16 (Hyposaurus).
Toula and Kail 1885 A, 354 (Hyposaurus, Gavialis).
Williston, S. W. 1906 A, 1 (Hyposaurus).
Upper Cretaceous (Hornerstown); New Jersey.

Gavialis minor Marsh.

Hay, O. P. 1902 A, 515.
Eocene (Shark River); New Jersey.

TOMISTOMIDÆ Eastman.

Eastman, C. R. 1902, in Zittel, Eastman, etc. 1902 A, 220.
Abel, O. 1919 A, 553, figs. 436, 437 (Tomistoma).
Sellards, E. H. 1915 A, 135.
Toula and Kail 1885 A (Tomistoma).
Troedsson, G. T. 1924 A, 67.
Williston, S. W. 1906 A, 3.
1925 B, 289.
Zittel, K. A. 1890 A, 672 (Rhynchosuchidæ).

GAVIALOSUCHUS Toula and Kail. Type *G. eggenburgense* Toula and Kail.

Toula and Kail 1885, Anz. Akad. Wiss. Wien, 109.
Citations of the literature of *Tomistoma* also are presented.
Abel, O. 1922 C, 200, fig. 169.
Andrews, C. W. 1906 A, 267 (Tomistoma).
Arldt, T. 1911 A, 228 (Tomistoma).
Boulenger, G. A. 1889 A, 276 (Tomistoma).
Capellini, G. 1890 A, 507, pls. i-iv (Tomistoma).
Carus, V. 1875 A, 409 (Tomistoma).
Cope, E. D. 1900 A, 162 (Tomistoma).
Drevermann, F. 1918 A, 120, fig. 1 (Tomistoma).
Gray, J. E. 1867 C, 133 (Tomistoma).
1872 B, 6 (Tomistoma).
Gregory, W. K. 1920 A, 125 (Tomistoma).
Howes, G. B. 1891 A, 148 (Tomistoma).
Hulke, J. W. 1871, Quart. Jour. Geol. Soc. Lond., xxvii. 3 (Melitosaurus).

Huxley, T. H. 1859 B, 16 (Rhynchosuchus).
Lydekker, R. 1886 F, 21, pl. ii (Tomistoma).
1888 B, 62, fig. 10 (Tomistoma).
Mook, C. C. 1921 B, 61.
1921 C, 77, text-fig. 6 (Tomistoma).
1921 H, 140, fig. 2 (Tomistoma).
1924 A, 1.
Müller, S. 1846, Arch. Naturgesch., 1, 122 (Tomistoma).
Nicholson and Lydekker 1889 A, 1193, fig. 1091 (Tomistoma).
Sellards, E. H. 1915 A, 137 (Tomistoma).
Thevenin, A. 1911 A, 15 (Tomistoma).
Toula and Kail 1885 A, 302, 342, pls. i-iii; text-figs. 1-3.
Williston, S. W. 1925 B, 289 (Syn.? of Tomistoma).
Zittel, K. A. 1890 A, 674 (Tomistoma).
Zittel and Broili 1911 A, 271, fig. 420 (Tomistoma).
Zittel and Broili 1923 A, 330 (Tomistoma).
Zittel, Eastman, etc. 1902 A, 220, fig. 324 (Tomistoma).

Gavialosuchus americanus (Sellards).

Sellards, E. H. 1915 A, 136, figs. 1, 2 (Tomistoma).
Anonymous 1916 B, 480 (Tomistoma).
Hay, O. P. 1923 A, 380 (Tomistoma).
Merriam, J. C. 1917 A, 439 (Tomistoma).
Mook, C. C. 1921 A, 33, pls. viii, ix (G. americana).
1924 A, 1, fig. 1 (G. americana).
Rogers, A. F. 1924 A, 545 (Tomistoma).
Sellards, E. H. 1915 D, 73, 100, figs. 8, 29, 30 (Tomistoma).
1916 A, 237, figs. 2, 3 (Tomistoma).
Upper Miocene or Lower Pliocene (Bone Valley); Florida.

THORACOSAURIDÆ Troedsson.

Troedsson, G. F. 1924 A, 67.
Troxell, E. L. 1925 A, 231 (Thoracosauri).

THORACOSAURUS Leidy. Type *T. grandis* Leidy = *Gavialis neocesariensis* DeKay.

Hay, O. P. 1902 A, 515 (Thoracosaurus, Holops).
Abel, O. 1919 A, 553.
Andrews, C. W. 1906 A, 269.
Berry, E. W. 1916 A, 347.
Gadow, H. 1901 B, 451.
Heilprin, A. 1887 B, 329 (Thoracosaurus, Holops).
Huxley, T. H. 1875 E, 75 (Thoracosaurus, Holops).
Lydekker, R. 1886 E, 211, 220, 225, 235 (Holops).
Mook, C. C. 1925 A, 342 (Sphenosaurus); 348 (Thoracosaurus); 357 (Holops).
Nopcsa, F. 1923 H, 109.
Sellards, E. H. 1915 A, 137 (Thoracosaurus, Holops).
Tornier, G. 1913 B, 362.
Troedsson, G. T. 1924 A, 9, 56, pls. i-viii; 9 text-figs.
Troxell, E. L. 1925 A, 219, 220 (Thoracosaurus, Holops).
Williston, S. W. 1906 A, 211 (Holops).
1909 A, 399.
1914 A, 207 (Thoracosaurus, Holops).
1925 B, 289 (Thoracosaurus, Holops).
Woodward, A. S. 1898 B, 223.
1922 C, 12.
Zittel and Broili 1911 A, 271 (Thoracosaurus, Holops).
1923 A, 330 (Thoracosaurus, Holops).
Zittel, Eastman, etc. 1902 A, 220 (Thoracosaurus, Holops).

Thoracosaurus basifissus (Owen).

Owen, R. 1849 A, 381, pl. x, figs. 1, 2 (Crocodilus).
Hay, O. P. 1902 A, 515 (T. neocesariensis, in part).
Mook, C. C. 1925 A, 352, fig. 18.
Toula and Kail 1885 A, 354 (Alligator, Crocodilus).
Troxell, E. L. 1925 A, 220.
Williston, S. W. 1906 A, 2 (Crocodilus).
Upper Cretaceous (Hornerstown); New Jersey.

Thoracosaurus basitruncatus (Owen).

Hay, O. P. 1902 A, 515 (Holops).
Cope, E. D. 1869 N, 736 (T. tenebrosus).
1869 P, 123 (Crocodilus tenebrosus).
Mook, C. C. 1925 A, 359, fig. 20 (Holops basitruncatus); 362, fig. 22 (H. tenebrosus).
Owen, R. 1860 E, 277 (Crocodilus).
Toula and Kail 1885 A, 354 (Holops basitruncatus, H. tenebrosus, Crocodilus tenebrosus).
Troedsson, G. T. 1924 A, 11.
Troxell, E. L. 1925 A, 220.
Upper Cretaceous (Hornerstown); New Jersey.

Thoracosaurus brevispinus Cope.

Cope, E. D. 1869 H, 123 [Holops (Thoracosaurus)].
Hay, O. P. 1902 A, 516 (Holops brevispinis).
Cope, E. D. 1867 A, 39 (No description).
1869 B, 736 (No description).
1869 M, 69* (Holops brevispinis).
1869 P, 121 (T. brinispinus).
Mook, C. C. 1925 A, 365, figs. 24-26 (Holops).
Toula and Kail 1885 A, 354 (Holops).
Troedsson, G. T. 1924 A, 11, 50 (T. brevispinis).
Troxell, E. L. 1925 A, 220.
Upper Cretaceous (Hornerstown); New Jersey.

Thoracosaurus cordatus (Cope).

Hay, O. P. 1902 A, 516 (Holops).
Mook, C. C. 1925 A, 372, figs. 27, 28 (Holops).
Toula and Kail 1885 A, 354 (Holops, Crocodilus).
Troedsson, G. T. 1924 A, 11.

Troxell, E. L. 1925 A, 220.
Upper Cretaceous (Hornerstown); New Jersey.

Thoracosaurus glyptodon (Cope).

Hay, O. P. 1902 A, 516 (Holops).
Mook, C. C. 1925 A, 375 (Holops).
Toula and Kail 1885 A, 354 (Holops).
Troedsson, G. T. 1924 A, 11.
Troxell, E. L. 1925 A, 220.
Upper Cretaceous (Hornerstown); New Jersey.

Thoracosaurus meirsanus Troxell.

Troxell, E. L. 1925 A, 223, figs. 1, 2.
Upper Cretaceous (Hornerstown); New Jersey.

Thoracosaurus mullicensis Troxell.

Troxell, E. L. 1925 A, 227, figs. 3, 4.
Upper Cretaceous (Hornerstown); New Jersey.

Thoracosaurus neocesariensis (DeKay).

Hay, O. P. 1902 A, 515.
Andrews, C. W. 1906 A, 269.
Berry, E. W. 1916 A, 347, pl. viii, figs. 1, 2.
Mook, C. C. 1925 A, 342, fig. 13 (Sphenosaurus clavirostris); 348, fig. 17 (T. neocesariensis); 355 (T. dekayi, T. grandis).
Owen, R. 1860 E, 277 (Crocodilus).
Toula and Kail 1885 A, 354 (Thoracosaurus gavialis, Crocodilus dekayi, C. clavirostris).
Troedsson, G. T. 1924 A, 9, 50, 54.
Troxell, E. L. 1925 A, 220.
Williston, S. W. 1906 A, 2.
Upper Cretaceous; New Jersey: (Matawan); Maryland.

Thoracosaurus obscurus (Leidy).

Hay, O. P. 1902 A, 516 (Holops).
Cope, E. D. 1869 P, 123 (Crocodilus).
Mook, C. C. 1925 A, 360, fig. 21 (Holops).
Toula and Kail 1885 A, 354 (Thoracosaurus, Holops, Crocodilus).
Troedsson, G. T. 1924 A, 11.
Troxell, E. L. 1925 A, 220.
Upper Cretaceous (Hornerstown); New Jersey.

Thoracosaurus pneumaticus (Cope).

Hay, O. P. 1902 A, 516 (Holops).
Mook, C. C. 1925 A, 375, figs. 29-34 (Holops).
Toula and Kail 1885 A, 354 (Holops).
Troedsson, G. T. 1924 A, 11.
Troxell, E. L. 1925 A, 220.
Upper Cretaceous (Hornerstown); New Jersey.

Thoracosaurus sp. indet.

Berry, E. W. 1916 A, 348, pl. viii, fig. 11.
Upper Cretaceous (Monmouth); Maryland.
Troxell, E. L. 1925 A, 229, figs. 5, 6. Upper Cretaceous (Hornerstown); New Jersey.

Suborder Crocodyliformes, new name.

Unless otherwise indicated, the writers, as cited, use for this group the name Eusuchia.
Hay, O. P. 1902 A, 511.
Arldt, T. 1907 D, 145, 329.
Auer, E. 1909 A, 286.
Brauns, D. 1890 A, 147, 160, 202 (Crocodilida, "krokodile").
Broom, R. 1924 B, 64, fig. 13 (Crocodilia).
Case, E. C. 1898 C, 733.
Cope, E. D. 1891 N, 45.
Dollo, L. 1907 D, 85 ("eusuchiens").
Gadow, H. 1901 B, 434.
1902 B, 360.
Gaupp, E. 1895 A, 58, seq. ("crocodilen").
Gelderen, C. 1925 A, 495 (Crocodilia).
Gilmore, C. W. 1926 B, 340 (Eusuchia, Crocodilia).
Gray, J. E. 1867 C, 129 (Emydosauri).
Hayek, H. 1924 A, 151 (Crocodilia).
Huene, F. 1902 A, 54, 72.
Huxley, T. H. 1875 B.
1875 E, 72, 74.
1877 A.
Jaekel, O. 1910 C, 340 (Crocodili).
1911 A, 164 (Crocodili).
Kingsley, J. S. 1925 A, 14, 16, 44, 55, 163, 164, 251, 285.
Klaauw, C. J. 1924 B, 591 (Crocodilia).
Lydekker, R. 1887 C, 311.
Mehl, M. G. 1928 B, 19 (Crocodilia).
Newton, E. T. 1894 A, 586.
Nopcsa, F. 1923 D, 113.
1923 H, 3 (Eusuchia); 1, 2, 4, 6, 8, 10, 68, 91, 94, 112, 116, 119, 126, 160, 176, 180, 181, 183, tab. (Crocodilia).
Philippi, Frech and Volz 1903 A, 18.
Pictet, F. J. 1853 A, 475 ("crocodiliens").
Rafinesque, C. S. 1815 A, 75 (Megalepia).
Reynolds, S. H. 1897 A, 537 (Crocodilia, Eusuchia).
Schmidt, W. J. 1912 B, 163 ("krokodilen").
Siebenrock, F. 1906 A, 818 (Emydosauria).
Stannius, H. 1856 A (Crocodila).
Steinmann, G. 1907 A, 430.
Stromer, E. 1925 A, 4, seq. (Crocodilia).
Sushkin, P. P. 1927 A, 307 ("crocodilians").
Van den Broeck, E. 1900 A, 108.
Wegner, R. N. 1922 A, 480 (Crocodilia).
Williston, S. W. 1902 G, 314 (Crocodilia).
1904 B, 176 (Crocodilia).
1914 A, 18, 45, 195.
1925 A, 95.
1925 B, 213, 288.
Zittel and Broili 1923 A, 319, 383 (Crocodilia).
Zittel, Eastman, etc. 1902 A, 217.
See also the literature cited under the Loricata.

Crocodylidæ.

Hay, O. P. 1902 A, 511.
Abel, O. 1909 D, (226) ("krokodile").
1919 A, 550 (Crocodilidæ).
Altmann, F. 1925 A, 95 ("crocodilen").
Arldt, T. 1907 D, 637 (Alligatoridæ); 648 (Crocodilidæ).

Arldt, T. 1912 A, 712, 756 (Crocodilidæ, Alligatoridæ).
Bender, O. 1907 A, 41 ("krokodilier").
Bonaparte, C. L. 1831 A, 72 (Crocodilidæ).
1833 B, 1184 (Crocodilidæ).
Broom, R. 1927 A, 74 ("crocodiles").
Carus, V. 1875 A, 409 (Crocodilidæ).
Cuvier, G. 1807 A, 64 (Crocodili, Alligatores).
1808 C, 1 ("crocodiles").
1808 E, 73 ("crocodiles").
Dollo, L. 1889 B, 677.
Dombrowski, B. A. 1925 A, 75 ("krokodile").
Fraas, E. 1913 D, lxiii ("krokodile").
Frech, F. 1906 A, 493 ("krokodile").
Fuchs, H. 1909 A, 349 ("krokodile").
1909 B, 114 ("krokodile").
Gadow, H. 1901 B, 454 (Crocodilidæ).
Gaupp, E. 1910 A, 541 ("krokodile").
1911 B, 111 ("krokodile").
1911 C, 444 ("krokodile").
Gegenbaur, C. 1867 B, 400 ("crocodilier").
Geoffroy St. Hilaire, E. F. 1807 D, 249 ("crocodiles").
1825 B, 121 ("crocodiles").
Gray, J. E. 1825 A, 195 (Crocodilidæ).
1867 C, 134 (Crocodilidæ); 160 (Alligatoridæ).
1872 B, 4, 6 (Crocodilidæ, Alligatoridæ).
Hasse, C. 1873 D, 679 ("crocodile").
Hasse and Schwarck 1870 A, 51 ("crocodilen").
Hoernes, R. 1886 A, 603 (Crocodilidæ).
Huene, F. 1908 E, 379 ("krokodile").
1908 F, 402 ("krokodile").
1922 D, 278 ("crocodiliden").
Huxley, T. H. 1859 G, 680 ("crocodiles," Alligatoridæ).
1859 I, 287 (Crocodilidæ, Alligatoridæ).
Kerbert, C. 1876 A, 224 ("krokodilen").
Leunis and Ludwig 1883 A, 542 (Crocodilina).
Lobley, J. L. 1908 A, 208.
Lorenz, L. E. F. 1807 A, 21 (Crocodilus).
Matthew, W. D. 1914 B, 387 (Crocodilidæ).
1921 D, 214 (Crocodilidæ).
Moodie, R. L. 1908 D, 455 ("crocodiles").
1909 G, 363 ("crocodiles").
Nopcsa, F. 1922 A, 113 (Crocodilidæ).
1923 H, 110, 111, 112, 114, 126 (Crocodilinæ).
1928 A, 187 (Crocodilidæ, Crocodilinæ, Thoracosaurinæ, Gavialinæ).
Owen, R. 1845 B, 285 ("crocodilians"); 286 ("crocodiles").
Pfeifer, H. 1854 A, 10 ("krokodile").
Pictet, F. J. 1853 A, 476 (Procœli).
Rabl, C. 1903 A, 157, 163 ("krokodile").
Schauinsland, H. 1906 A, 542 ("krokodile").
Seeley, H. G. 1882 A, 360, 365 ("crocodiles").
Sellards, E. H. 1915 A, 135 (Alligatoridæ).
Seydel, O. 1899 A ("crocodilier").
Shiino, K. 1914 A, 253 ("krokodile").
Terra, P. 1911 A, 237 (Crocodilidæ).
Thäter, K. 1910 A, 514 ("krokodile").
Tornier, G. 1888 A, 226 ("crocodilinen").
1913 B, 361 (Crocodilidæ).
Troedsson, G. T. 1924 A, 49 ("alligatoriden," "krokodilen").
Troxell, E. L. 1925 D, 606 ("crocodiles").
Vogt, C. 1879 A, 243 ("crocodiles").
Wallace, A. R. 1876 A, II, 406 (Crocodilidæ).
Wiedersheim, R. 1892 A, 55 ("krokodile").
Williston, S. W. 1914 A, 201.
1925 B, 290 (Crocodilidæ).
Zittel and Broili 1911 A, 272 (Crocodilidæ).
1923 A, 331 (Crocodilidæ).
Zittel, Eastman, etc. 1902 A, 121 (Alligatoridæ); 222 (Crocodilidæ).

Crocodylus Laurenti. Type *C. niloticus* Linnæus.

Laurenti, J. N. 1768, Syn. Rept., 53.
Hay, O. P. 1902 A, 512.
Abel, O. 1919 A, 535, 550, figs. 424, 435.
Adloff, P. 1913 C, 22 (Crocodilus).
Ahlborn, F. 1896 B, 9 ("krokodil").
Alessandrini, A. 1849 A, 379, pl. xxiv, figs. 1, 2; pl. xxvi, figs. 3, 4 (Crocodilus).
Alix, E. 1874 A, 17 ("crocodiles").
Allis, E. P. 1919 B, 79 (Crocodilus).
1919 C, 260.
1919 D, 209.
Arldt, T. 1907 D, 648 (Crocodilus).
1911 A, 228 (Crocodilus).
Bardeleben, K. 1901 A, 36 (Crocodilus).
Baur, G. 1897 D, 48 (Crocodilus).
Beer, G. R. 1926 A, 320, figs. 91-93, 122.
Bittner, F. 1912 A, 3 ("krokodil").
Boas, J. E. V. 1914 C, 266 (Crocodilus).
Bojanus, L. H. 1821 A, 1160 ("krokodil").
Bolk, L. 1912 A, 61 (Crocodilus).
1912 B, 953 (Crocodillus).
1913 A, 104, figs. 69, 75 (Crocodillus).
Braus, H. 1906 A, 261 ("krokodile").
Bronn, H. G. 1848 A, 351 (Crocodilus).
1849 A, 687 (Crocodilus).
Broom, R. 1908 E, 115 ("crocodile").
1909 B, 163 ("crocodile").
Brown, A. E. 1904 A, 467 (Crocodilus).
Brühl, C. B. 1862 A.
Carus and Engelmann 1861 A, 1726.
Case, E. C. 1904 D, 64 (Thecachampsa).
Cleland, J. 1863 B, 309 ("crocodile").
Cuvier, G. 1805 A (Crocodilus).
1807 A, 63. (Crocodilus).
1808 C, 4 ("crocodiles").
1808 E, 73 ("crocodiles").
1825 A, v, 2, 28-104 (Crocodilus).
Dollo, L. 1883 G, 594 ("crocodile").
Eichwald, E. 1832 A, 869 ("krokodill").
Eimer, G. H. T. 1901 A, 259 ("krokodil").
Eisler, P. 1895 A, 46 ("krokodil").
Fernandez, M. 1921 A, 516, pl. i ("krokodil").
Fleischmann, A. 1910 A, 682, 704, figs. 1, 27.
Fraas, E. 1902 B, 69 ("crocodile").
Fuchs, H. 1906 A, 19 ("krokodil").
1909 A, 349 (Crocodilus).
1909 D, 198, fig. 43 ("crocodilus").
Fürbringer, M. 1900 A, figs.
Gadow, H. 1896 A, 39, figs. 34, 37 (Crocodilus).
1901 B, 454 (Crocodilus).
Gaupp, E. 1895 A, 62 ("crocodil").
1899 A, 1083, figs. 16-19 ("krokodile").
1902 A, 176 (Crocodilus).

Gaupp, E. 1905 D, 1022, fig. 41 (Crocodilus).
1908 B.
1908 C, 674 (Crocodilus).
1911 A, 425 (Crocodilus).
1911 C, 452, figs. 18, 19 (Crocodilus).
Gegenbaur, C. 1871 A, 199 (Crocodilus).
Gelderen, C. 1925 A, 497.
Geoffroy St. Hilaire, E. F. 1824 H, 245-299, pl. xvi ("crocodile").
Gervais, P. 1852 A, 249 (Crocodilus).
1853 B, 55 ("crocodiles").
1859 A, 443 (Crocodilus).
Giebel, C. G. 1855 A, 88 (Crocodilus).
Goeppert, E. 1896 B, 1, fig. 1 ("crocodil").
Goldby, F. 1925 A, 301, figs. 1-5.
Gray, J. E. 1867 C, 146 (Crocodilus).
1872 B, 14 (Crocodilus).
Gregory, W. K. 1910 D, 600 ("crocodile").
1911 C, 404 ("crocodile").
1913 E, 9, 32, figs. 7, 22 ("crocodile").
Gregory and Camp 1918 A.
Gregory and Noble 1924 A, 440, fig. 2.
Hanson, F. B. 1919 B, 73, fig. 31 ("crocodile").
Hasse, C. 1873 D, 679, pls. xxxi-xxxiii.
Hayek, H. 1924 A, 151, pl. ii.
Heilmann, G. 1914 A, 69, fig. 150.
1926 A, 204, fig. 79.
Hertz, M. 1925 A, 557, 580, fig. 46.
Hoffmann, C. K. 1890 B, 1058, 1060, 1061, pls.
Howes, G. B. 1891 A, 156.
Huene, F. 1908 E, 379 (Crocodilus).
1913 F, 469, figs. 2, 6 (Crocodilus).
Hulke, J. W. 1875 A, 364, fig. 4 (Crocodilus).
Hutchinson, H. N. 1917 A, 363.
Huxley, T. H. 1859 E, 445 (Crocodilus).
1859 G, 678.
1859 I, 291 (Crocodilus).
1863 F, 475, 529, 579, figs. 41, 45, 48, 49 ("crocodile").
1869 G, 440, figs. 1, 2 (Crocodilus).
1869 H, 386 (Crocodilus).
1879 A, 405, pl. viii (Crocodilus).
Iwanzoff, N. 1894 A, 584 ("crocodil").
Johnson, A. 1883 A, 403 ("crocodile").
Kesteven, H. L. 1918 A, 449, 450, figs. 2-4 (Crocodilus).
1919 A, 227, figs. 5-8.
Kingsley, J. S. 1925 A, 55, 164, 202, figs. 14, 62, 176, 210.
Klaauw, C. J. 1924 B, 591.
Köstlin, O. 1844 A ("crocodile").
Lebedinsky, N. G. 1917 A, 318 (Crocodilus).
Leche, W. 1893 C, 796 ("krocodil").
Le Damany, P. 1902 A, 336 ("crocodile").
1903 G, 157, figs. 8, 12 ("crocodile").
Lemoine, V. 1884 C, 159, pl. iv ("crocodile").
Leunis and Ludwig 1883 A, 543 (Crocodilus).
Lubosch, W. 1926 A, 114, fig. 12 ("crocodil").
Lwoff, W. 1884 A, 313 ("crocodile").
Lydekker, R. 1887 C, 308 (Crocodilus).
1912 C, 40, 119 (Crocodilus).
Matthes, E. 1921 C (Crocodilus).
Matthew, W. D. 1915 A, 284 (Crocodilus).
Meckel, J. F. 1825 A (Crocodilus).
Meek, A. 1908 A, 1, fig. 2 ("crocodile").
1911 A, 357 ("crocodile").
Mivart, St. G. 1879 B, 538 ("crocodile").
Mook, C. C. 1921 B, 51, pl. x; text-figs. 2-4 (Crocodilus).
1921 C, 68, pls. xiii, xiv; text-figs. 1-5, 7-14, 16-19 (Crocodilus).
1921 H, 151, figs. 3-8 (Crocodilus).
1927 A, 1, figs. 1, 2.
Nopcsa, F. 1923 H, 86, 87, 111 (Crocodilus).
1926 A, 641, text-fig. 4 ("crocodile").
1928 A, 187 (Crocodilus).
Oken, L. 1819 A, 1542 ("crocodile").
1823 B, 446 ("crocodile").
Osborn, H. F. 1909 D, 46 (Crocodilus).
1912 J, figs. 14, 15 (Crocodilus).
Owen, R. 1845 B, 286, pl. lxxv, fig. 1; pl. lxxv*a*, fig. 2 (Crocodilus).
1848 B, 22, 26, figs. 9, 18-23.
1866 A, 70, 135, figs. 57, 93-95 (Crocodilus).
1868 A, 875 (Crocodilus).
Paramore, R. H. 1910 A, 1399 (Crocodilus).
Parker and Haswell 1897 A, 322, figs. 927, 929, 937, 941 (Crocodilus).
Peters, W. 1868 A, 594 (Crocodilus).
1869 A, 7 ("crocodile").
1874 A, 42 ("crocodil").
Pictet, F. J. 1853 A, 476.
Pinkus, F. 1904 A, 152 ("krokodil").
Rabl, C. 1903 A, 156 (Crocodilus).
Retzius, A. 1837 A, 491 (Crocodilus).
Reynolds, S. H. 1897 A, 236-270, figs. 41, 42, 46, 50.
Rice, E. L. 1920 A.
Röse, C. 1892 G, 129.
Sabatier, A. 1897 A, 805 (Crocodilus).
Scharff, R. F. 1911 A, 180 (Crocodilus).
Schauinsland, H. 1906 A ("krokodile").
Schmidt, W. J. 1914 B, 643 (Crocodilus).
Schöne, G. 1902 A, 17 (Crocodilus).
Seeley, H. G. 1872 A, 36 ("crocodile").
1876 C, 155 ("crocodiles").
1878 B, 428 ("crocodile").
1886 A, 413.
1887 E, 188 ("crocodile").
1888 I, 240 ("crocodilus").
1905 A, 221.
Seemann, G. 1926 A, 110, text-fig. 2.
Seitz, A. L. L. 1907 A, 358 (Crocodilus).
Sewertzoff, A. N. 1908 A (Crocodilus).
Shaner, R. F. 1926 A, 362 ("crocodile").
Shiino, K. 1914 A, 253-382, pls. xv-xxi; text-figs. 1-33 (Crocodilus).
Shumard, B. F. 1863 A, 141 (Crocodilus).
Siebenrock, F. 1906 A, 818 (Crocodilus).
Sixta, V. 1900 B, 336 (Crocodilus).
Stannius, H. 1856 A (Crocodilus).
Stanton and Hatcher 1905 A, 38 (Crocodilus).
Stehli, G. 1910 A, 775, figs. 14-16 (Crocodilus).
Steiner, H. 1922 A, 345 (Crocodilus).
Stromer, E. 1906 A, 208, 212 (Crocodilus).
Taschenberg, O. 1894 A, 3634.
Thäter, K. 1910 A, 506 (Crocodilus).
Thyng, F. W. 1906 A, 60, fig. Q (Crocodilus).
Tornier, G. 1913 A, 320, fig. 6.
Troedsson, G. T. 1924 A.
Troxell, E. L. 1925 A, 221.
1925 B, 31 (Crocodilus, Thecachampsa).
1925 C, 490.
1925 D, 607 (Crocodilus).

Versluys, J. 1903 A, 169 (Crocodilus).
Vialleton, L. 1919 A, 307 (Crocodilus).
Virchow, H. 1914 B, 115, figs. 3, 4, 6, 7, 14 ("krokodil").
1914 C, 131 ("krokodile").
Voeltzkow, A. 1899 A (Crocodilus).
Voeltzkow and Döderlein 1901 A, 316, fig. 1 (Crocodilus).
Vogt, C. 1879 A, 243, fig. 19 ("crocodile").
Voit, M. 1923 A, 69 ("krokodile").
Wallace, A. R. 1876 A, II, 406 (Crocodilus).
Wallisch, W. 1922 A, 533, figs. 2, 5 ("krocodil").
Wamich, P. 1913 A ("krokodile").
Watson, D. M. S. 1916 A, 341 (Crocodilus).
1917 A, 981 (Crocodilus).
1919 C, 239 ("crocodile").
Wiedersheim, R. 1892 A, 55 (Crocodilus).
Williston, S. W. 1904 E, 565 ("crocodiles").
1904 F, 830 ("crocodile").
1909 A, 396 ("crocodile").
1914 A, 199, figs. 103, 104 ("crocodile").
1925 B, 290 (Crocodilus).
Woodward, A. S. 1922 C, 11.
Zittel and Broili 1911 A, 273 (Crocodilus).
1923 A, 210, 323, 332, figs. 317, 433-435.
Zittel, Eastman, etc. 1902 A, 222 (Crocodilus).

Crocodylus acer Cope.

Hay, O. P. 1902 A, 512.
Cope, E. D. 1891 N, 47, fig. 24 (Crocodilus acer).
Mook, C. C. 1921 G, 117, pl. xviii.
Eocene (Manti); Utah.

Crocodylus affinis Marsh.

Hay, O. P. 1902 A, 512.
Mook, C. C. 1921 F, 111, pls. xvi, xvii (Crocodilus. This species?)
Toula and Kail 1885 A, 354 (Crocodilus).
Troxell, E. L. 1925 B, 30, 34, figs. 1, 2 (Crocodilus).
Middle Eocene (Bridger); Wyoming.

Crocodylus antiquus Leidy.

Hay, O. P. 1902 A, 512.
Case, E. C. 1904 D, 67, pl. xxvii, figs. 7-9 (Thecachampsa?).
Clark and Miller 1912 A, 167, 168 (Thecachampsa?).
Dall and Harris 1892 A, 56 (Crocodilus).
Shattuck, G. B. 1904 A, xciv.
Toula and Kail 1885 A, 354 (Thecachampsa).
Miocene (Calvert); Virginia or Maryland, North Carolina.

Crocodylus aptus Leidy.

Hay, O. P. 1902 A, 512.
Cope, E. D. 1884 O, 162.
Merrill, G. P. 1907 A, 66.
Toula and Kail 1885 A, 354 (Crocodilus).
Lower Eocene (Wasatch); Wyoming.

Crocodylus brevicollis Marsh.

Hay, O. P. 1902 A, 512.
Troxell, E. L. 1925 B, 39, fig. 4.
Middle Eocene (Bridger); Wyoming.

Crocodylus chamensis Cope.

Hay, O. P. 1902 A, 512.
Merrill, G. P. 1907 A, 63 (Alligator); 67 (Crocodylus).
Toula and Kail 1885 A, 354 (Crocodilus).
Lower Eocene (Wasatch); New Mexico.

Crocodylus clavis Cope.

Hay, O. P. 1902 A, 512.
Merrill, G. P. 1907 A, 67.
Peterson, O. A. 1919 A, 41 (Crocodilus. This species?)
Seeley, H. G. 1886 A, 413.
Toula and Kail 1885 A, 354 (Crocodilus).
Middle Eocene (Bridger); Wyoming: Upper Eocene (Uinta); Utah.

Crocodylus contusor Cope.

Hay, O. P. 1902 A, 512 (Crocodylus antiquus, part).
Case, E. C. 1901 A, 96, pl. x, fig. 4 (Thecachampsa).
1904 D, 66, pl. xxvii, fig. 6 (Thecachampsa?).
Clark and Miller 1912 A, 117, 118 (Thecachampsa).
Shattuck, G. B. 1904 A, xciv.
Eocene (Aquia); Virginia: Miocene (Calvert); Maryland.

Crocodylus elliotti Leidy.

Hay, O. P. 1902 A, 512.
Hayden, F. V. 1871 A, 40 (Crocodilus).
Merrill, G. P. 1907 A, 67.
Toula and Kail 1885 A, 354 (Crocodilus).
Middle Eocene (Bridger); Wyoming: Lower Eocene (Wasatch); New Mexico.

Crocodylus fastigiatus Leidy.

Hay, O. P. 1902 A, 512.
Eocene, Virginia.

Crocodylus grinellii Marsh.

Hay, O. P. 1902 A, 512.
Toula and Kail 1885 A, 354 (Crocodilus).
Troxell, E. L. 1925 B, 30, 38 (Crocodilus).
Middle Eocene (Bridger); Wyoming.

Crocodylus grinnelli herpichanus (Troxell).

Troxell, E. L. 1925 B, 40, 44-66, figs. 5-19 (Crocodilus).
Middle Eocene (Bridger); Wyoming.

Crocodylus grypus Cope.

Hay, O. P. 1902 A, 512.
Merrill, G. P. 1907 A, 67.
Toula and Kail 1885 A, 354 (Crocodilus).
Middle Eocene (Bridger); New Mexico.

Crocodylus humilis Leidy.

Hay, O. P. 1902 A, 513.
Bowen, C. F. 1915 A, 130, 149, 150.
Brown, B. 1914 E, 378 (Crocodilus).
Cross, W. 1896 A, 227.
Gilmore, C. W. 1910 A, 485.

Hatcher, J. B. 1903 D, 372.
1905 B, 82.
Hay, O. P. 1903 D, 119.
1910 B, 297.
Lambe, L. M. 1902 A, 47 (Crocodilus).
1904 C, 25, 37, 49 (Crocodilus).
1907 C, 219.
Matthew, W. D. 1916 A, 484 (Crocodilus).
Osborn, H. F. 1902 H, 674 (Crocodilus).
1902 I, 13, 17 (Crocodilus).
Peale, A. C. 1912 A, 754 (Crocodilus).
Toula and Kail 1885 A, 354 (Crocodilus, Bottosaurus?).
Williston, S. W. 1902 K, 953 (Crocodilus).
1906 A, 3 (Crocodilus).
Upper Cretaceous (Judith); Montana: (Lance); Wyoming: (Arapahoe or Denver); Colorado.

Crocodylus liodon Marsh.

Hay, O. P. 1902 A, 513.
Loomis, F. B. 1907 B, 358.
Merrill, G. P. 1907 A, 68 (Crocodylus?).
Toula and Kail 1885 A, 354 (Crocodilus).
Troxell, E. L. 1925 B, 33, fig. 3 (Crocodilus).
Lower Eocene (Wasatch); Wyoming, New Mexico.

Crocodylus marylandicus W. B. Clark.

Hay, O. P. 1902 A, 513.
Case, E. C. 1901 A, 96, pl. x, fig. 5 (Thecachampsa).
Clark and Miller 1912 A, 117, 118 (Thecachampsa).
Eocene (Aquia); Maryland.

Crocodylus parvus Osborn, Scott, and Speir.

Hay, O. P. 1902 A, 513.
Middle Eocene (Bridger); Wyoming.

Crocodylus rugosus (Emmons).

Hay, O. P. 1902 A, 513.
Gilmore, C. W. 1911 A, 208 (Thecachampsa).
Stephenson, L. W. 1912 A, 120 (Thecachampsa).
Upper Cretaceous (Black Creek); North Carolina: (Ripley); Georgia.

Crocodylus sericodon Cope.

Hay, O. P. 1902 A, 513.
Case, E. C. 1901 A, 95, pl. x, fig. 3 (This species?).
1904 D, 65, pl. xxvii, figs. 1, 2 (Thecachampsa?).
Miller, B. L. 1911 A, 103 (Thecachampsa. This species?).
1912 A, 2 (This species?).
Shattuck, G. B. 1904 A, xciv.
Shattuck, Miller and Bibbins 1907 A, 5 (Thecachampsa. This species?).
Toula and Kail 1885 A, 354 (Crocodilus).
Miocene (Calvert); Maryland, New Jersey.

Crocodylus serratus Cope.

Hay, O. P. 1902 A, 513.
Eocene (Shark River?); New Jersey.

Crocodylus sicarius Cope.

Hay, O. P. 1902 A, 513.
Case, E. C. 1904 D, 66, pl. xxvii, figs. 3-5 (Thecachampsa?).
Shattuck, G. B. 1904 A, xciv.
Toula and Kail 1885 A, 354 (Thecachampsa).
Miocene (Chesapeake); Maryland.

Crocodylus solaris Marsh.

Hay, O. P. 1902 A, 513.
O'Harra, C. C. 1910 A, 122 (Crocodilus salaris).
Pliocene?; South Dakota.

Crocodylus squankensis Marsh.

Hay, O. P. 1902 A, 513.
Cope, E. D. 1873 FF, 8 (Thecachampsa).
Toula and Kail 1885 A, 354 (Thecachampsa).
Eocene (Shark River?); New Jersey.

Crocodylus stavelianus Cope.

Hay, O. P. 1902 A, 513.
Gilmore, C. W. 1920 A, 10.
Matthew, W. D. 1914 B, 383.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco); New Mexico.

Crocodylus subulatus Cope.

Cope, E. D. 1872 UU, 1 [Crocodilus (Ichthyosuchus) *errore* sublatus.
Hay, O. P. 1902 A, 513.
Gilmore, C. W. 1910 A, 501.
Merrill, G. P. 1907 A, 68.
Toula and Kail 1885 A, 354 (Crocodilus).
Middle Eocene (Bridger); Wyoming.

Crocodylus sulciferus Cope.

Cope, E. D. 1872 UU, 1.
Hay, O. P. 1902 A, 513.
Merrill, G. P. 1907 A, 68.
Toula and Kail 1885 A, 354 (Crocodilus).
Middle Eocene (Bridger); Wyoming.

Crocodylus vorax Troxell.

Troxell, E. L. 1925 B, 31, 42, fig. 22 (Crocodilus).
Middle Eocene (Bridger); Wyoming.

Crocodylus wheelerii Cope.

Hay, O. P. 1902 A, 513.
Loomis, F. B. 1907 B, 358.
Merrill, G. P. 1907 A, 68.
Lower Eocene (Wasatch); New Mexico.

Crocodylus sp. indet.

Bowen, C. F. 1915 A, 130. Upper Cretaceous (Hell Creek); Montana.
Brown, B. 1907 A, 842. Upper Cretaceous (Hell Creek); Montana.
Case, E. C. 1901 A, 95, pl. x, figs. 1, 2 (Thecachampsa).
Clark and Miller 1912 A, 117, 118 (Thecachampsa).
Gilmore, C. W. 1924 D, 27. Upper Cretaceous (Lance); Saskatchewan.
Hay, O. P. 1923 A, 482. Pleistocene; Maryland, Virginia, Georgia.
Kennedy, W. 1893 A, 49 ("Crocodilus").

Merriam, J. C. 1917 A, 437 ("crocodile").
Merrill, G. P. 1907 A, 68.
Peterson, O. A. 1917 A, 471, fig. 3 ("Crocodilus sp. indet." This genus?). Pleistocene; Virginia.
Reeside, J. B. 1924 A, 23, 42. Upper Cretaceous (Fruitland, Ojo Alamo; Nacimiento); New Mexico.
Sinclair, W. J. 1915 A, 77 ("crocodile"). Pliocene (Snake Creek); Nebraska.
Sternberg, C. M. 1924 A, 68. Upper Cretaceous (Lance); Saskatchewan.

LIMNOSAURUS Marsh. Type *Crocodilus ziphodon* Marsh.

Hay, O. P. 1902 A, 514.
Williston, S. W. 1925 B, 290.

Limnosaurus ziphodon Marsh.

Hay, O. P. 1902 A, 514.
Toula and Kail 1885 A, 354 (Crocodilus).
Troxell, E. L. 1925 B, 31 (Crocodilus). Middle Eocene (Bridger); Wyoming.

LEIDYOSUCHUS Lambe. Type *L. canadensis* Lambe.

Lambe, L. M. 1907 C, 221, 222.
Abel, O. 1919 A, 552.
Gilmore, C. W. 1910 A, 485, 499.
Lambe, L. M. 1912 A, 10.
Lydekker, R. 1911 A, 682.
1912 C, 135.
Mook, C. C. 1925 A, 387.
Nopcsa, F. 1923 H, 112.
Williston, S. W. 1925 B, 290.
Zittel and Broili 1911 A, 272.
1923 A, 332.

Leidyosuchus canadensis Lambe.

Lambe, L. M. 1907 C, 221, pls. i-v.
Bowen, C. F. 1915 A, 129, 130.
Brown, B. 1914 E, 378.
Gilmore, C. W. 1910 A, 486-496.
Hay, O. P. 1910 B, 297.
Lambe, L. M. 1908 B, 111.
Matthew, W. D. 1916 A, 484.
Mook, C. C. 1925 A, 389, figs. 43-47. Upper Cretaceous (Belly River); Alberta.

Leidyosuchus sternbergii Gilmore.

Gilmore, C. W. 1910 A, 486, pls. xxiii, xxix; text-figs. 1, 2.
Bowen, C. F. 1915 A, 130.
Brown, B. 1914 E, 358.
Gilmore, C. W. 1917 A, 6.
Mook, C. C. 1925 A, 404, figs. 48-52. Upper Cretaceous (Lance); Wyoming: (Hell Creek); Montana.

Leidyosuchus sp. indet.

Gilmore, C. W. 1917 A, 4. Upper Cretaceous (Two Medicine); Montana.

ALLOGNATHOSUCHUS Mook. Type *Crocodilus polyodon* Cope.

Mook, C. C. 1921 E, 105.
Abel, O. 1928 A, 367, fig. 1.
Case, E. C. 1925 B, 93.

Allognathosuchus heterodon (Cope).

Hay, O. P. 1902 A, 513 (Crocodylus).
Abel, O. 1928 A, 369 (Crocodilus).
Case, E. C. 1925 B, 96.
Cope, E. D. 1874 B, 436, 441 (Alligator).
Loomis, F. B. 1907 B, 358 (Crocodylus).
Merrill, G. P. 1907 A, 63 (Alligator); 67, 68 (Crocodylus).
Mook, C. C. 1921 E, 109.
1923 B, 562.
Seeley, H. G. 1886 A, 413 (Crocodilus).
Toula and Kail 1885 A, 354 (Crocodilus). Lower Eocene (Wasatch); Wyoming.

Allognathosuchus polyodon (Cope).

Hay, O. P. 1902 A, 513 (Crocodylus).
Abel, O. 1928 A, 371.
Case, E. C. 1925 B, 93, text-fig. 1.
Gilmore, C. W. 1910 A, 501 (Crocodylus).
Merrill, G. P. 1907 A, 68 (Crocodylus); 69 (Diplocynodus).
Mook, C. C. 1921 E, 106, pl. xv.
1923 B, 562.
Toula and Kail 1885 A, 354 (Crocodilus). Middle Eocene (Bridger); Wyoming.

Allognathosuchus wartheni Case.

Case, E. C. 1925 B, 93, pl. i.
Abel, O. 1928 A, 370. Lower Eocene (Wasatch); Wyoming.

DIPLOCYNODON Pomel. Type *D. ratelii* Pomel.

Hay, O. P. 1902 A, 514.
Abel, O. 1919 A, 553.
Ärnbäck-Christie-Linde A. 1912 B, 275.
Arldt, T. 1911 A, 228.
Broom, R. 1903 L, 345.
Gadow, H. 1901 B, 454.
Gilmore, C. W. 1911 B, 297.
Gregory, W. K. 1920 A, 125.
Lull, R. S. 1918 C, 133, fig. 25.
Lydekker, R. 1887 C, 308.
Nopcsa, F. 1923 H, 114.
1928 A, 187.
Osborn, H. F. 1907 G, 28, 219, figs. 20, 207.
Palmer, T. S. 1904 A, 237, 887.
Scharff, R. F. 1911 A, 180.
Schlosser, M. 1899 J, 353.
Schuchert, C. 1910 A, 582.
Stefano, G. 1905 A, 35, pl. xxxi.
Tornier, G. 1913 B, 362.
Troedsson, G. T. 1924 A, 46, 50, 67.
Williston, S. W. 1925 B, 290.
Zittel and Broili 1911 A, 272.
1923 A, 331, fig. 445.
Zittel, Eastman, etc. 1902 A, 221.

Diplocynodon sphenops (Cope).

Hay, O. P. 1902 A, 514.
Loomis, F. B. 1907 B, 358.
Merrill, G. P. 1907 A, 69 (Diplocynodus).
Troedsson, G. T. 1924 A, 68.
Lower Eocene (Wasatch); New Mexico.

PHOBOSUCHUS Nopcsa. Type *Deinosuchus hatcheri* (Holland).

Nopcsa, F. 1924 A, 378.
Gilmore, C. W. 1901 A, 501 (Deinosuchus).
Holland, W. J. 1909 B, 281 (Deinosuchus; preoccupied).
1917, in Peterson, O. A. 1917 A, 472 (Deinosuchus).
Mook, C. C. 1925 A, 418 (Deinosuchus).
Nopcsa, F. 1928 A, 187.
Williston, S. W. 1925 B, 290 (Deinosuchus).
Zittel and Broili 1911 A, 272 (Deinosuchus).
1923 A, 332 (Deinosuchus).
The family position of this genus is uncertain.

Phobosuchus hatcheri (Holland).

Holland, W. J. 1909 B, 281, figs. 1-7, 9-16 (Deinosuchus).
Bowen, C. F. 1915 A, 130 (Deinosuchus).
Lull, R. S. 1921 A, 121 (Deinosuchus).
Lydekker, R. 1910 F, 668 (Deinosuchus).
Mook, C. C. 1925 A, 419 (Deinosuchus).
Upper Cretaceous (Judith River); Montana.

ORTHOGENYSUCHUS Mook. Type *O. olseni* Mook.

Mook, C. C. 1924 B, 1.

Orthogenysuchus olseni Mook.

Mook, C. C. 1924 B, 1, figs. 1, 2.
Lower Eocene (Wasatch); Wyoming.

ALLIGATOR Cuvier. Type *A. lucius* Cuvier = *Crocodilus mississippiensis* Daudin.

Cuvier, G. 1807 A, 25.
Hay, O. P. 1902 A, 514.
Abel, O. 1919 A, 553.
Adams, L. A. 1919 A, 92, pl. vi.
Adloff, P. 1918 A, 134, fig. 3.
Agar, W. E. 1909 A, 380.
Altmann, F. 1925 A, 96.
Anderson, R. J. 1905 A, 322, fig. 10.
Arldt, T. 1911 A, 228.
Arthaber, G. 1919 B, 448, fig. 41.
Beebe, C. W. 1906 A, 485 ("alligator").
Bender, O. 1907 A, 40.
Beyer, H. 1907 B, 290, figs. 13, 14.
Boas, J. E. V. 1914 C, 273, figs. 57, 61.
Bronn, H. G. 1849 A, 687.
Brown, A. E. 1904 A, 467.
Carus, V. 1875 A, 408.
Carus and Engelmann 1861 A, 1109.
Case, E. C. 1896 A, 232.
Chapman, H. C. 1894 A, 42, fig. 11 ("alligator").
Dixey, F. A. 1881 A, 67 ("alligator").
Edgeworth, F. H. 1907 A, 521, figs. 21, 22.
Eimer, G. H. T. 1901 A, 37.
Emery, C. 1901 A, 675.
Forbes, W. A. 1879 A, 364 ("alligator").
Frech, F. 1906 A, 493.
Fuchs, H. 1909 A, 351, fig. 1.
1910 C, 495.
Fürbringer, M. 1900 A.
Gadow, H. 1901 B, 466.
Gaupp, E. 1895 A, 62.
1899 A, 1085 ("alligator").
1908 B, 528.
1908 C, 674.
Gegenbaur, C. 1863 A, 470.
Giebel, C. G. 1855 A, 88.
Gilmore, C. W. 1911 B, 297.
Gray, J. E. 1867 C, 162, 168.
1872 B, 28.
Gregory, W. K. 1920 A, 124, figs. 40, 41.
Gregory and Camp 1918 A, pls. xliii, xlvi, l; text-fig. 10.
Hanson, F. B. 1920 B, 334, 337.
Heilmann, G. 1926 A, 203.
Heilprin, A. 1887 A, 328, 329 ("alligators").
Higgins, G. M. 1923 A.
Hoffman, C. K. 1890 B, 1059-1063, pls.
Huxley, T. H. 1859 G, 680 ("alligators").
1859 I, 287.
1869 G, 446.
Kehrer, F. A. 1896 A, 354, figs. 23, 24.
Kingsley, J. S. 1900 A, 219.
1905 A, 64, fig. 7 ("alligator").
1925 A, 43, 141, 166, 267, 281, figs. 149, 178, 179, 289, 305.
Klein, E. F. 1863 A, 71.
Leunis and Ludwig 1883 A, 542.
Lobley, J. L. 1908 A, 199.
Lydekker, R. 1887 C, 308.
1910 E, 352 ("alligator").
1912 C, 42, 119.
Matthew, W. D. 1915 A, 284, 287.
Mivart and Clark 1879 A, 523, text-fig. 3.
Moodie, R. L. 1907 A, 89 ("alligator").
1909 G, 363 ("alligator").
Mook, C. C. 1921 H, 252, figs. 3-8.
Nopcsa, F. 1903 C, pl. vi, fig. 6.
1923 H, 110, 111, pl. vi, fig. 8.
1925 B, 9.
1928 A, 187.
Owen, R. 1845 B, pls. lxxv, lxxva.
1848 B, 26.
Parsons, F. G. 1903 A, 316, fig. 2.
Peters, W. 1868 A, 593.
Pictet, F. J. 1853 A, 476.
Pinkus, F. 1904 A, 153, pl. xi, fig. 22.
Romer, A. S. 1923 A, 143, fig. 1.
1923 B, 534.
1923 C, 606, 608, fig. 2.
1927 C, 231, fig. 1.
Rovereto, C. 1912 A, 341.
Scharff, R. F. 1911 A, 180.
Schmidt, W. E. 1904 A, 105 ("alligatoriden").
Schöne, G. 1902 A, 18, figs. 4, 5.

Seeley, H. G. 1876 C, 168.
Seemann, G. 1926 A, 110, text-fig. 1.
Seitz, A. L. L. 1907 A, 357.
Stannius, H. 1856 A, 55.
Stefano, G. 1905 A, 27, pl. iii.
Steiner, H. 1922 A, 345.
Stejneger, L. 1901 A, 308.
Stejneger and Barbour 1917 A, 41.
Thyng, F. W. 1906 A, 61, fig. R.
Troedsson, G. T. 1924 A.
Troxell, E. L. 1925 A, 221.
1925 D, 610, figs. 4, 5.
Versluys, J. 1919 A, 23.
Virchow, H. 1914 A, 79 ("alligators").
1914 B, 103.
1921 A, 139 ("alligatoren").
Voeltzkow and Döderlein 1901 A, 316.
Wallace, A. R. 1876 A, II, 406.
Wilder, B. G. 1868 A, 423, pl. xi, fig. 9.
Williston, S. W. 1903 A, 32, pl. v, fig. 3.
1925 A, 84, 174, 192, figs. 68, 69, 140, 157.
1925 B, 290.
Wyman, J. 1867 B, 265, figs. 9-12.
Zittel and Broili 1911 A, 272.
1923 A, 331.

Alligator mississippiensis Daudin.

Daudin, F. M. 1803, Hist. Nat. Rept., II, 412.
Hay, O. P. 1902 A, 514.
Abel, O. 1907 A, 235.
1922 D, 40.
Arthaber, G. 1906 A, 299, fig. 7.
Baur, G. 1897 D, 48.
Case, E. C. 1896 A, 233, figs. 1, 2.
Cuvier, G. 1825 A, v, 2, 64 (Crocodilus lucius).
Ditmars, R. L. 1907 A, 143.
Foote, J. S. 1916 A, 56, pl. iv, fig. 65.
1921 A, 5, pl. i, figs. 6, 7.
Gadow, H. 1901 B, 467.
Gaupp, E. 1906 B, 782.
Goldby, F. 1925 A, 301, figs. 6-10.
Gray, J. E. 1867 C, 168.
1872 B, 29.
Hase, A. 1913 A, figs. 46, 51, 57.
Haughton, S. 1868 A, 282, pl. x.
Hay, O. P. 1917 B, 13.
1917 E, 44.
1918 D, 461 ("alligator").
1923 A, 479.
1926 C, 2.
1927 D, 274, 286.
Higgins, G. M. 1923 A, 373-406, pls. i-vi.
Howes, G. B. 1891 A, 149, pl. xiv, figs. 4, 6.
Huene, F. 1913 F, 470, fig. 3.
Huxley, T. H. 1859 E, 446 (A. lucius).
Loomis, F. B. 1924 C, 506.
Lydekker, R. 1912 C, 55.
Matson and Clapp 1909 A, 137.
Moodie, R. L. 1908 D, 455.
Mook, C. C. 1921 B, 52, pl. xii; text-fig. 1.
1921 D, 101, figs. 1, 2.
1921 H, 253, fig. 14.
1923 A, 1-9, fig. 5.
1923 B, 553.
Nopcsa, F. 1923 H, 111.
Owen, R. 1845 B, 287.
1866 A, 408 (Champsa).
Reese, A. M. 1908 A, 1, pls. i-xxiii.
1910 A, 365 ("alligator").
Romer, A. S. 1923 B, 534, pls. xix-xxv.
Scharff, R. F. 1911 A, 179, 319.
Schmidt, W. J. 1914 B, 644.
Sellards, E. H. 1916 C, 139, 145.
Spencer, J. W. 1895 A, 137.
Stejneger and Barbour 1917 A, 41.
Strecker, J. K. 1915 A, 7.
Troedsson, G. T. 1924 A.
Troxell, E. L. 1925 B, 68, fig. 20.
Van Straelen, V. 1928 A, 309.
Versluys, J. 1903 A, 169.
Virchow, H. 1914 B, 106, figs. 1, 2, 5, 8-12.
1919 A, 321.
Voeltzkow and Döderlein 1901 A, 316.
Williston, S. W. 1914 A, 27, figs. 11, 99, 100.
1914 D, 412, fig. 12.
Zittel and Broili 1923 A, 212, 319 (A. lucius).
Recent; North Carolina to Rio Grande: Pleistocene; Texas, Florida.

Alligator thomsoni Mook.

Mook, C. C. 1923 A, 1-9, figs. 1-5.
Barbour, T. 1926 A, 110.
Matthew, W. D. 1924 C, 68.
Mook, C. C. 1923 B, 553.
Middle Miocene to Upper Pliocene; Nebraska.

Alligator sp. indet.

Gidley, J. W. 1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1923 A, 350. Pleistocene; Maryland.
1924 D, 3, 246. Pleistocene; Texas.
1927 D, 274. Pleistocene; Florida.
Matthew, W. D. 1918 A, 187, 224. Pliocene (Snake Creek); Nebraska.
1925 A, 97. Pleistocene (Earlier); Florida.
Merriam, J. C. 1917 A, 439. Pliocene? (Bone Valley); Florida.
Sellards, E. H. 1916 B, 90. Miocene (Fuller's Earth); Gadsden County, Florida.

BOTTOSAURUS Agassiz. Type *Crocodilus macrorhyncus* Harlan = *Bottosaurus harlani* Meyer.

Hay, O. P. 1902 A, 514.
Arldt, T. 1907 D, 90.
1911 A, 228.
Gilmore, C. W. 1910 A, 492.
1911 B, 298.
Mook, C. C. 1925 A, 330.
Nopcsa, F. 1928 A, 187.
Toula and Kail 1885 A, 354.
Troedsson, G. T. 1924 A, 8, 67.
Williston, S. W. 1906 A, 2-4.
1925 B, 290.
Zittel and Broili, 1911 A, 272.
1923 A, 331.
Zittel, Eastman, etc. 1902 A, 222.

Bottosaurus harlani (Meyer).

Hay, O. P. 1902 A, 514.
Gilmore, C. W. 1911 B, 297.
Lambe, L. M. 1907 C, 220.
Mook, C. C. 1925 A, 331, figs. 6-9 (B. harlani); 336 (Bottosaurus macrorhynchus).

Toula and Kail 1885 A, 354 (B. macrorhynchus, Crocodilus harlani).
Williston, S. W. 1906 A, 2.
Upper Cretaceous (Greensand); New Jersey.

Bottosaurus tuberculatus Cope.

Hay, O. P. 1902 A, 514.
Cope, E. D. 1875 E, 253.
Mook, C. C. 1925 A, 337.
Toula and Kail 1885 A, 354.
Williston, S. W. 1906 A, 3.
Upper Cretaceous (Greensand); New Jersey.

BRACHYCHAMPSA Gilmore. Type *B. montana* Gilmore.

Gilmore, C. W. 1911 B, 298.
Mook, C. C. 1925 A, 429, pls. iv, v; text-fig. 63.
Nopcsa, F. 1928 A, 187.
Troedsson, G. T. 1924 A, 67.
Williston, S. W. 1925 B, 290.

Brachychampsa montana Gilmore.

Gilmore, C. W. 1911 B, 298, pls. xxvi, xxvii; text-fig. 1.
Bowen, C. F. 1915 A, 130.
Brown, B. 1914 E, 358.
Gilmore, C. W. 1926 J, 28.
Mehl, M. G. 1916 B, 50.
Moodie, R. L. 1913 A, 186.
Mook, C. C. 1925 A, 429, pls. iv, v; text-fig. 63.
Upper Cretaceous (Hell Creek); Montana: (Lance); Wyoming.

Cope, E. D. 1874 B, 433, 452.
Gilmore, C. W. 1911 B, 298 (Brachychampsa).
Hatcher, J. B. 1905 B, 82.
Hay, O. P. 1903 D, 119.
Lambe, L. M. 1902 A, 48.
1902 B, 185.
1904 C, 25, 37, 49.
1905 D, 364 A.
1907 C, 219 X.
Osborn, H. F. 1902 H, 674.
1902 I, 13, 17.
Toula and Kail 1885 A, 354.
Whiteaves, J. F. 1901 A, 185.
Williston, S. W. 1906 A, 3 (Syn. of Crocodylus humilis).
Upper Cretaceous (Denver or Arapahoe); Colorado: (Belly River); Alberta.

Brachychampsa perrugosa (Cope).

Unless otherwise indicated the authors, as quoted, use for this species the generic name *Bottosaurus*.
Hay, O. P. 1902 A, 514.
Bowen, C. F. 1915 A, 128 (Brachychampsa).

Brachychampsa sp. indet.

Gilmore, C. W. 1916 D, 289. Upper Cretaceous (Kirtland); New Mexico.
1920 A, 8.
Reeside, J. B. 1924 A, 23. Upper Cretaceous (Kirtland); New Mexico.

CAIMANOIDEA Mehl. Type *C. visheri* Mehl.

Mehl, M. G. 1916 B, 47.
Nopcsa, F. 1928 A, 187.
Williston, S. W. 1925 B, 290.

Caimanoidea prenasalis (Loomis).

Loomis, F. B. 1904 A, 427, figs. 1-9 (Crocodylus).
Barbour, T. 1926 A, 110 (Alligator).
Lambe, L. M. 1905 D, 366 A (Crocodylus).
1908 A, 9, 21 (Crocodilus. This species?).
Matthew, W. D. 1918 G, 505, fig. ("Crocodilus." This species?).

Mehl, M. G. 1916 B, 56.
O'Harra, C. C. 1910 A, 122 (Crocodilus).
1920 A, 142, 160, fig. 74 (Crocodilus).
Oligocene (Lower White River); South Dakota: (Cypress Hills); Saskatchewan.

Caimanoidea visheri Mehl.

Mehl, M. G. 1916 B, 47 (Caimanoidea); figs. 1-4 (Caimanoideus).
O'Harra, C. C. 1920 A, 141, 160, fig. 75.
Oligocene (Lower White River); South Dakota.

CROCODILES OF UNCERTAIN RELATIONSHIPS.

PLIOGONODON Leidy. Type *P. priscus* Leidy.

Hay, O. P. 1902 A, 517.
Mook, C. C. 1925 A, 356.

Pliogonodon priscus Leidy.

Hay, O. P. 1902 A, 517.
Mook, C. C. 1925 A, 356, fig. 19.
Upper Cretaceous (Black Creek); North Carolina.

POLYDECTES Cope. Type *P. biturgidus* Cope.

Hay, O. P. 1902 A, 514.
Mook, C. C. 1925 A, 378.
Williston, S. W. 1925 B, 290.

Polydectes biturgidus Cope.

Hay, O. P. 1902 A, 514.
Gilmore, C. W. 1911 A, 208.
Mook, C. C. 1925 A, 378, fig. 35.
Stephenson, L. W. 1912 A, 120.
Upper Cretaceous (Black Creek); North Carolina: (Ripley); Georgia.

Order PTEROSAURI Kaup.

Hay, O. P. 1902 A, 506.
Abel, O. 1907 F, (253) ("pterosaurier").
1909 D, 222 ("flugsaurier").
1909 F, 470 ("pterosaurier").
1910 A, (146) ("pterosaurier").
1911 A, 145, 146 ("pterosaurier").
1912 E, 227 ("pterosaurier").
1912 F, 300, 390, 535, 695 (Pterosauria).
1919 A, 534, 559 (Rhamphorhynchoidea); 559, 631 (Pterodactyloidea).
1919 B, 661 ("flugsaurier").
1920 A, 382 (Rhamphorhynchoidea); 385 (Pterodactyloidea).
Anderson, R. J. 1912 D, 25 (Pterosauria).
Anthony, R. 1912 A ("ptérosauriens").
1913 A, 248 ("ptérosauriens").
Arldt, T. 1907 D, 677 (Pterosauria).
1912 A, 669, 678, 686 (Pterosauria).
Arthaber, G. 1906 A, 307 ("pterosaurier").
1919 A, 93 ("flugsaurier").
1921 A, 1-47 ("flugsaurier," Pterodactyli).
1921 B, 391-464 ("flugsaurier").
Baur, G. 1889 L, 312 (Pterosauria).
1894 B, 350 (Pterosauria).
Blainville, H. M. D. 1835 A, 238 (Pterodactylia).
1838 A, 365 ("ornithocéphale").
Boas, J. E. V. 1914 B, 563 ("pterosaurier").
Boule, M. 1902 B, 909 ("ptérosauriens").
Boulenger, G. A. 1904 C, 480 (Ornithosauria).
Branca, W. 1908 B ("flugthiere").
Branson, E. B. 1918 A, 9 ("pterodactyls").
Brauer, A. 1908 A, 92 ("flugsaurier").
Brauns, D. 1890 A, 161, 202 (Pterodactyli).
Bronn, H. G. 1848 B, 851 (Ornithocephalus).
1849 A, 833 (Pterodactyli).
Broom, R. 1906 C, 437 ("pterodactyles").
1906 D, 365 (Pterosauria).
1913 O, 631 ("pterodactyls").
1922 A, 17 ("pterosaurs").
1924 B, 64, fig. 13 (Pterosauria).
Carus, V. 1875 A, 402 (Pterosauria).
Case, E. C. 1898 C, 720 (Pterosauria).
1923 A, 517.
Claus, C. 1895 A, 363 ("pterosaurier").
Cope, E. D. 1885 BB, 69 (Pterosauria).
1891 N, 35, 41 (Ornithosauria).
Dabelow, A. 1926 A, 95 ("pterosaurier").
Dames, W. 1883 C, 268 ("flugsaurier").
1899 E, 554 (Pterosauria).
Depéret, C. 1907 B ("ptérodactyles").
1912 A, 705 ("ptérosauriens").
Döderlein, L. 1900 A, 335 (Pterosauria).
1900 B, 55 ("pterosaurier").
1923 A, 135 (Pterosauria).
Dollo, L. 1889 A, 664 ("ptérosauriens").
1889 E, 172 ("ptérosauriens").
1896 A, 83 ("ptérosauriens").
Eaton, G. T. 1910 A, 24 (Pterosauria).
Eimer, G. H. T. 1901 A, 261 ("pterosaurier").
Fitzinger, L. 1843 A, 35 (Ornithosauri).
Fraas, E. 1905 B, 374 ("pterosaurier").
Frassetto, F. 1915 A, 62.
Frech, F. 1906 A, 493 ("pterodactylen").
Fuchs, H. 1909 B, 114, 149 (Pterosauri).
Fürbinger, M. 1888 A, 1620 (Pterosauria).
Fürbinger, M. 1914 A (Pterosauria).
Gadow, H. 1901 B, 484 (Pterosauria); 486 (Pterosauri).
1902 B, 359 (Pterosauria).
1914 A, 504 ("pterosaurs").
Gegenbaur, C. 1879 A, 522 ("pterodactylen").
Gervais, P. 1852 A, 265 ("ptérodactyliens").
1853 B, 37 ("ptérodactyles").
1859 A, 469 ("ptérodactyliens").
Giebel, C. G. 1855 A, 87 (Pterosauria).
Gilmore, C. W. 1906 A, 607, pls. xxx, xxxi (Rhamphorhynchus).
Goldfuss, A. 1831 A (Pterodactylus).
Goodrich, E. S. 1916 A, 263 (Pterosauria).
Green, J. R. 1861 A, 219, 226 (Pterosauria).
Gregory, W. K. 1915 E, 448 ("pterosaurs").
Gregory and Adams 1915 A, 764 ("pterosaurs").
Haeckel, E. 1873 A, 512, 531 (Pterosauria).
Hankin and Watson 1914 A, 324 ("pterodactyls").
Heilmann, G. 1913 A, 55 (Pterosauria).
1916 A, 90.
1926 A, 146 ("pterosaurs").
Heilprin, A. 1887 A, 163, 172 (Pterosauria).
Hoernes, R. 1886 A, 624 (Pterosauria).
Hoffman, C. K. 1890 B, 1316 ("pterosaurier").
Hooley, R. W. 1913 A, 372, 412 (Ornithosauria).
Howes, G. B. 1902 A, 525 ("pterodactyles").
Howes and Swinnerton 1901 A, 2 (Pterosauria).
Huene, F. 1902 A, 65 ("flugsaurier").
1908 B, 356, 402 ("pterosaurien").
1908 F, 405 ("pterosaurier").
1913 E, 480 ("pterosaurier").
1914 G, 47 ("pterosaurier").
1914 H, 57 ("pterosaurien").
1922 E, 24 (Pterosauria).
1922 F, 409 ("pterosaurier").
1925 G, 316 ("flugsaurier").
1927 E, 326 ("flugsaurier").
Hutchinson, H. N. 1910 A, 199, pls. xxxii, xxxiii ("flying-dragons").
Huxley, T. H. 1855 A, 82 (Pterodactyla).
1862 A, xlviii (Pterosauria).
1870 F, 528 (Pterosauria).
1870 H, 494 (Pterosauria).
1879 A, 399 (Pterosauria).
Jaekel, O. 1904 A, 33 ("flugsaurier").
1905 B, 65 ("pterosaurier").
1910 C, 338, 340.
1910 E, 225.
1911 A, 165.
1915 B, 1.
1916 A, 201 ("pterosaurier").
Kehrer, F. A. 1896 A, 348 ("pterodactylen").
Kingsley, J. S. 1925 A, 5, 16, 51, 167, 255, 269 (Pterosauria).
Koken, E. 1886 B, 21 ("pterosaurier").
1893 B, 366 ("pterosaurier").
1901 B, 222 ("ornithosaurier").
Lankester, E. R. 1905 A, 231 ("pterodactyles").
Larger, R. 1913 A, 702, 711 ("ptérosauriens").
Lavocat, A. 1884 A, 1126 ("ptérosaures").
1885 A, 39 ("ptérosaures").
Lee, Stone, Gale 1915 A, 20 ("pterodactyls").
Leunis and Ludwig 1883 A, 597 (Pterosauria).
Lönnberg, E. 1910 E, 19.
Lucas, F. A. 1902 B, 209 ("pterodactyles").

Lull, R. S. 1906 B, 546 (Pterosauria).
1917 B, 367 ("pterodactyls").
1924 A, chart.
Lydekker, R. 1901 A, 645 ("pterodactyles").
1912 C, 4, 22, 28, 97, 129 (Ornithosauria).
1913 A, 12 ("pterodactyles").
1915 C, 626 ("pterodactyls").
Mantell, G. A. 1844 A, 762 ("pterosaurians").
Martins, C. 1872 A, 307 ("ptérodactyles").
Matthew, W. D. 1920 A, 74 ("pterodactyls").
Meckel, J. F. 1825 A, 407, 419, 420 (Ornithocephalus).
Meunier, S. 1903 A, 776 ("ptérosauriens").
Meyer, H. v. 1847 B, 72, 74 (Pterodactyli).
Moodie, R. L. 1915 I, 157 ("pterodactyls").
Newton, E. T. 1888 B, 436 ("pterosaurian").
Nopcsa, F. 1907 A, 224 ("pterosaurs").
1916 A, 418.
1917 A, 204 ("pterosaurier").
1922 A, 116 ("pterosaurier").
1922 B, 161 ("pterosaurier").
1923 D, 112 (Pterosauria).
1923 E, 1045 ("pterosaurians").
1923 H, 1, 10, 181, 182 (Pterodactyloidea); 5 (Ornithosauri); 2-4, 6, 8-10, 121, 175, 176, 180, 183, 184 (Pterosauria).
1924 B, 80 ("pterosaurier").
1928 A, 187 (Pterosauria).
Osborn, H. F. 1903 D, 313 ("pterosaurs").
1903 H, 454 (Ornithosauria); 456, 504 (Pterosauria).
1904 H, 114.
1904 N, 308 (Pterosauria).
1905 C, 295 (Pterosauria).
1905 N, 240 ("pterosaurs").
1917 D, 660 ("pterosaurs").
Owen, R. 1842 F, 73 (Pterodactyli).
1859 E, 703.
1868 A, 904 (Pterosauria).
1913 A, 248 ("pterosaurs").
Parker and Haswell 1897 A, 314, 348 (Pterosauria).
Petronievics, B. 1928 A, 214 ("flugsaurier").
Plieninger, F. 1901 A, 65, 88 (Pterosauria).
1906 A, 399 ("pterosaurier").
1906 B, ciii ("pterosaurier").
1907 A, 209, 294 ("pterosaurier").
Pompeckj, J. F. 1925 A, 6 ("flugtiere").
Reynolds, S. H. 1897 A, 271, 278, 552 (Pterosauria).
Ridewood, W. G. 1897 D, 190 (Ornithosauria).
Schuchert, C. 1915 A, 906 ("pterosaurs").
Seeley, H. G. 1887 E, 192 ("ornithosaurs").
1887 G, 206 ("ornithosaurs").
Seeley, H. G. 1888 I, 238 (Ornithosauria).
1899 B, 69 ("ornithosaurs").
1901 A, 187 (Ornithosauria).
Serres, M. 1852 A, 115 ("pterodactyles").
Sewertzoff, A. N. 1908 A, 248 (Pterosauria).
Short, H. 1914 A, 336 ("pterodactyls").
Spillman, F. 1925 A, 185 ("pterosaurier").
Steiner, H. 1922 A, 339 ("pterosaurier").
Steinmann, G. 1907 A, 452 (Pterosauria).
1908 A, 235 ("pterosaurier").
1910 A, 99 (Pterosauria).
Stromer, E. 1910 A, 85 ("pterosaurier").
1912 A, 90, 126 (Pterosauria).
1913 A, 49, 61 ("flugsaurier," Pterosauria).
Terra, P. 1911 A, 238 (Pterosaurii).
Tornier, G. 1913 B, 362, 374 (Pterosauria).
Van den Broeck, E. 1900 A, 70, 88 ("ptérosauriens").
Versluys, J. 1912 B, 650, 687 (Pterosauria).
Vogt, C. 1879 A, 243 ("ptérodactyles").
W. D. 1877 A, 124 (Pterodactylia).
Wagner, J. A. 1837 A, 165 (Ornithocephalus).
Wamich, P. 1913 A, 24 ("pterosaurier").
Wegner, R. N. 1922 A, 481.
Wilckens, O. 1911 A, 711 ("flugsaurier").
Williston, S. W. 1885 A, 628 (Pterodactylus).
1893 D, 110 ("pterodactyls").
1902 G ("winged reptiles").
1902 H, 67 ("pterodactyls").
1904 B, 176.
1904 C, 59 ("pterodactyls").
1905 D, 297 (Pterosauria).
1911 F, 661 (Pterosauria).
1913 E, 756 (Pterosauria).
1914 A, 18, 45.
1917 C, 412.
1918 A, 80 (Pterosauria).
1925 A, *passim* (Pterosauria).
1925 B, 214, 296 (Pterosauria).
Wiman, C. 1924 A, 115 ("flugsaurier").
1925 B, 15 ("flugsaurier").
1928 A, 363 ("flugsaurier").
Woodward, A. S. 1898 B, 224 (Ornithosauria).
1902 B, 1 (Ornithosauria).
1904 D, 148 (Pterosauria).
1910 B, 465 ("pterodactyls").
1922 C, 6 (Ornithosauria).
1923 A, 31 (Pterosauria).
Woodward, H. 1904 B, 148 (Pterosauria).
Young, G. W. 1915 A, 242 (Pterosauri).
Zittel and Broili 1911 A, 298 (Pterosauria).
1923 A, 367, 383 (Pterosauria).
Zittel, Eastman, etc. 1902 A, 246 (Pterosauria).

Suborder ORNITHOCEPHALIFORMES, new name.

Abel, O. 1909 F, 470 (Pterodactyloidea).
1921 A, 270, 279 (Pterodactyloidea).
Arthaber, G. 1921 A, 12 (Pterodactyloidea).
Broili, F. 1927 B, 29-48, pls. i-iii, vii; text-figs. 1-7 (Rhamphorhynchus).
1927 C, 49-65, pls. iv-vii.
Gadow, H. 1901 B, 486 (Pterodactyli).
Huene, F. 1914 G, pl. vii (Pterodactyloidea).
Nopcsa, F. 1922 A, 113, 114 (Pterodactyloidea).
1923 H, 120, 127, tab. (Pterodactyloidea).
Nopcsa, F. 1928 A, 188 (Pterodactyloidea).
Plieninger, F. 1901 A, 90 (Pterodactyloidea).
1907 A, 313 (Pterodactyloidea).
Seeley, H. G. 1901 A, 193 (Pterodactylia).
Williston, S. W. 1903 B, 158 (Pterodactyloidea).
1914 A, 18, 45 (Pterodactyloidea).
1925 B, 214, 298 (Pterodactyloidea).
Zittel and Broili 1911 A, 305 (Pterodactyloidea).
1923 A, 373 (Pterodactyloidea).

ORNITHOCEPHALIDÆ Hay.

Unless otherwise indicated the authors as quoted use the name Pterodactylidæ.

Hay, O. P. 1902 A, 506.
Abel, O. 1912 E, 233 ("pterodactyliden").
1912 F, 301.
1919 A, 567, figs. 444-446.
Arldt, T. 1912 A, 662.
Arthaber, G. 1919 B, 346 ("pterosaurier").
1921 A, 15, 32, fig. 15 (Pterodactylus).
Dames, W. 1899 E, 554.
Hoernes, R. 1886 A, 625.
Huxley, T. H. 1868 D, 308 ("pterodactyls").
Matthew, W. D. 1920 B, 73 ("flying reptiles").
Nopcsa, F. 1923 H, 118, 120, 126.
1928 A, 188.
Plieninger, F. 1901 A, 90.
1907 A, 313.
Pycraft, W. P. 1902 B, 314.
Van den Broeck, E. 1900 A, 106.
Williston, S. W. 1903 B, 158.
1925 B, 298.
Zittel and Broili 1911 A, 306.
1923 A, 376.
Zittel, Eastman, etc. 1902 A, 253.

ORNITHOCEPHALINÆ, new name.

Williston, S. W. 1892 A, 12 (Pterodactylinæ).

ORNITHOCEPHALUS Sömmering.

Unless otherwise indicated the authors, as cited, employ the name *Pterydactylus*.

Hay, O. P. 1902 A, 507 (Ornithocephalus).
Abel, O. 1909 D, 226.
1919 B, 661, figs. 2-6.
1921 A, 274, 276, figs. 98, 99, 101 (Ornithocephalus).
1925 A, 91, figs. 56, 60-65, 67-75.
1925 B, 1-12, figs. 1-4.
Arthaber, G. 1919 B, 391 (Ornithocephalus); 410, figs. 12-15, 31-34, 50, 51 (Pterodactylus).
1921 A, 15, 32, fig. 15.
Blainville, H. M. D. 1838 A, 365 ("ornithocéphale").
Branca, W. 1908 B, 16.
Broili, F. 1912 B, 493.
1919 A, 305.
1925 A, 23.
Bronn, H. G. 1848 B, 851 (Ornithocephalus).
Cuvier, G. 1825 A, v, 2, 350-383, pl. xxiii.
Dames, W. 1883 C, 269 (Ornithocephalus).
Dana, J. D. 1863 D, 131 ("pterodactyl").
Döderlein, L. 1900 B, 57.
Giebel, C. G. 1855 A, 87.
Goldfuss, A. 1831 A, 63.
Hoffmann, C. K. 1890 B, 1316.
Kingsley, J. S. 1925 A, 269, fig. 293.
Meckel, J. F. 1825 A, 407, 419, 420 (Ornithocephalus).
Münster, G. 1831 A, 49, pl. vi (Pterodactylus, Ornithocephalus).
Nopcsa, F. 1923 H, 118, 182, 199.
1928 A, 188.
Owen, R. 1845 B, 273.
1868 A, 903.
Plieninger, F. 1901 A, 90.
1906 A, 399.
1907 A, 261.
Pycraft, W. P. 1909 A, 204, fig.
Spillman, F. 1925 A, 187.
Stromer, E. 1913 A, 52.
Wagner, J. A. 1837 A, 165 (Ornithocepahlus).
Williston, S. W. 1902 L, 918.
1925 B, 298, fig. 189.
Wiman, C. 1925 A, 1-38, pls. i, ii, 23 figs.
Woodward, A. S. 1922 C, 8, fig. 4.
Zittel and Broili 1911 A, 306.
1923 A, 372, figs. 483, 487.
Zittel, Eastman, etc. 1902 A, 233.

DERMODACTYLUS Marsh. Type *Pterodactylus montanus* Marsh.

Hay, O. P. 1902 A, 507.
Dollo, L. 1889 A, 666.
Gilmore, C. W. 1928 B, 1.
Hoernes, R. 1886 A, 626.
Williston, S. W. 1903 B, 161.
1925 B, 298.

Dermodactylus montanus Marsh.

Hay, O. P. 1902 A, 507.
Gilmore, C. W. 1909 B, 39.
Mook, C. C. 1916 A, 149.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

PTERANODONTIDÆ Marsh.

Hay, O. P. 1902 A, 507.
Abel, O. 1911 A, 147 (Ornithocheiridæ).
1919 A, 570 (Ornithocheiridæ).
1922 C, 326 ("pteranodontiden").
Arldt, T. 1907 D, 677.
Brauns, D. 1890 A, 161, 202 (Pteranodontia).
Case, E. C. 1898 C, 723.
Cope, E. D. 1891 N, 41.
Dames, W. 1899 E, 554 (Ornithocheiridæ).
Dollo, L. 1889 E, 177 ("ptéranodontes").
Gadow, H. 1901 B, 487 (Pteranodontes).
Hoernes, R. 1886 A, 628.
Hooley, R. W. 1913 A, 416 (Ornithostomatidæ).
1914 A, 557 (Ornithostomatidæ).
Jaekel, O. 1910 C, 340.
Nopcsa, F. 1923 D, 112 (Ornithocheiridæ).
1923 E, 1048.
1923 H, 127, 183.
1928 A, 188.
Seeley, H. G. 1901 A, 193 (Ornithocheiroidea).
Steinmann, G. 1907 A, 455.
Van den Broeck, E. 1900 A, 75.
Williston, S. W. 1925 B, 298 (Pteranodontidæ, Ornithocheiridæ).
Zittel and Broili 1911 A, 306 (Ornithocheiridæ).
1923 A, 376 (Ornithocheiridæ).
Zittel, Eastman, etc. 1902 A, 254 (Ornithocheiridæ).

PTERANODONTINÆ Williston.

Williston, S. W. 1892 A, 12.
Abel, O. 1919 A, 571.
Nopcsa, F. 1923 H, 123, 183.
Plieninger, F. 1907 A, 313 (Ornithocheirinæ).
Tornier, G. 1913 B, 364 (Ornithocheirinæ).
Zittel and Broili 1911 A, 306 (Ornithocheirinæ).
1923 A, 376 (Ornithocheirinæ).

PTERANODON Marsh. Type *P. longiceps* Marsh.

Hay, O. P. 1902 A, 507.
Abel, O. 1907 F (253).
1909 F, 472.
1910 A (143).
1911 A, 147.
1912 E, 227.
1912 F, 301, 331, 513.
1914 B, 70, figs. 20, 31.
1914 C, 327, 393.
1919 A, 574.
1920 A, 385.
1921 A, 301.
1922 C, 329, 388.
1925 A, 137, figs. 86, 90. 91.
Anthony, R. 1912 A.
Arthaber, G. 1919 B, 418, 453.
1921 A, 21, 22, 39, fig. 12.
Beddard, F. E. 1898 A, 157.
Boule, M. 1891 A, 21.
Case, E. C. 1898 C, 723.
Cooper, B. G. 1914 A, 343.
Dames, W. 1899 E, 553 (Ornithostoma).
Delafontaine, M. 1877 B, 127 ("pteranodontes").
Depéret, C. 1907 B.
Döderlein, L. 1900 B, 57.
1923 A, 134.
Dollo, L. 1888 F, 79.
1889 A, 666.
1889 E, 177.
Eaton, G. F. 1903 B, 82, pls. vi, vii.
1904 A, 318, pl. xx.
1908 A, 254.
1910 A, 1, pls. i-xxxi.
Gilmore, C. W. 1928 B, 1.
Hankin and Watson 1914 A, 325.
Harlé and Harlé 1912 A, 119.
Heilmann, G. 1913 B, 70, 85, figs. 101, 104.
1926 A, 61.
Heilprin, A. 1887 A, 169.
Hoernes, R. 1886 A, 628.
Hooley, R. W. 1913 A, 411, 416 (Ornithostoma).
1914 A, 531 (Ornithostoma).
Huene, F. 1914 G, 44.
1914 H, 62, fig. 8.
Ihde, —— 1912 A, 251.
Jaekel, O. 1916 A, 201.
Knipe, H. R. 1912 A, 104, fig.
Langley, S. P. 1902 A, 649 (Ornithostoma).
Lankester, E. R. 1905 A, 231, figs. 169, 170.
Larger, R. 1913 A, 711.
Lee, Stone, Gale 1915 A, pl. v, fig. C (Ornithostoma).
Lucas, F. A. 1902 A, 654 (Ornithostoma).
1902 B, 210, fig. (Ornithostoma).
1902 D, 657.
Lull, R. S. 1906 B, 546, fig. 7.
1919 A, 223.
Lydekker, R. 1912 C, 136.
1913 A, 12 ("pterodactyles").
Matthew, W. D. 1916 E, 251, fig.
Matthew, W. D. 1920 B, 73, figs. 1, 4.
Moodie, R. L. 1913 A, 185.
Noack, T. 1880 A, 77.
Nopcsa, F. 1916 A, 418.
1922 B, 168, 174.
1923 E, 1049, fig. 8.
1923 G, 110.
1923 H, 116-118, pl. iii, fig. 5.
1928 A, 188.
Osborn, H. F. 1917 B, 226.
Perrier, E. 1920 A, 322.
Plieninger, F. 1901 A, 76, 90, pl. v.
1902 A, 411.
1907 A, 283, 313.
Pycraft, W. P. 1909 A, 205, fig.
Reynolds, S. H. 1897 A, 274, 289.
Sauvage, H. E. 1901 B, 12.
Schuchert and Levene 1927 A, 294, fig.
Seeley, H. G. 1901 A, 180, 184 (Ornithostoma).
Seitz, A. L. L. 1907 A, 350.
Short, H. 1914 A, 341, figs. 1-5.
Sternberg, C. H. 1907 C, 122.
1909 C, 266.
1911 A, 71.
1917 A, 164 ("pteranodonts").
Stromer, E. 1913 A, 53.
Tornier, G. 1913 B, 364, fig. 43.
Van den Broeck, E. 1900 A, 75.
Versluys, J. 1912 B, 651.
Wieland, G. R. 1912 A, 287.
1912 B, 300.
Williston, S. W. 1902 B, 297, 305.
1902 C, 521 (Ornithostoma).
1902 G, 316, 317, text-figs. 1, 2, 4.
1902 H, 68 (Ornithostoma).
1903 B, 129.
1904 C, 60.
1908 C, 718.
1911 E, 700.
1912 B, 642.
1912 D, 288.
1913 E, 754.
1925 A, *passim*, figs. 71, 72, 73, 155.
1925 B, 298.
Wiman, C. 1920 A, 9.
1924 A, 123.
Woodward, A. S. 1896 D, 257.
1898 B, 229.
1902 B, 3.
1922 C, 7.
1923 A, 31.
Woodward, H. 1904 D, 149.
Young, G. W. 1915 A, 246, fig. 17.
Zittel and Broili 1911 A, 307.
1923 A, 377.

Pteranodon comptus Marsh.

Hay, O. P. 1902 A, 507.
Eaton, G. F. 1910 A, 2.

Williston, S. W. 1903 B, 154.
Upper Cretaceous (Niobrara); Kansas.
Eaton says "no longer valid." However, two vertebræ of the type specimens, No. 2287, are not accounted for.

Pteranodon ingens Marsh.

Hay, O. P. 1902 A, 508.
Abel, O. 1907 F (253).
1909 F, 472, fig. 9.
1912 F, 332, 540, 695, figs. 243, 244.
1919 A, 574, figs. 450-452.
1920 A, 384, fig. 601.
1922 C, 327, fig. 286.
1925 A, 137, 140, figs. 86-91.
Arthaber, G. 1919 B, 430, 455, figs. 47, 57.
Dames, W. 1899 E, 554 (Ornithostoma).
Döderlein, L. 1923 A, 127.
Eaton, G. F. 1910 A, 1, 9, pl. ii, fig. 1; pl. iii, fig. 1; pl. iv, figs. 1, 2; pl. v, fig. 3; pl. vi, figs. 1, 12-15; pls. x, xi; pl. xvi, fig. iv; pl. xvii, fig. 1; pl. xix, figs. 1-8; pl. xxviii, figs. 4, 5.
Lambe, L. M. 1914 H, 402.
Lucas, F. A. 1902 D, 657, pls. vi, vii; text-fig. 1 (Ornithostoma).
Plieninger, F. 1906 A, 411, fig. 5.
Sternberg, C. H. 1913 A, 48.
Versluys, J. 1912 B, 651, fig. O².
Williston, S. W. 1902 B, 301 (Ornithostoma).
1903 B, 145, pl. xliii, figs. 1-3; pl. xliv, fig. 8; text-fig. 2.
Upper Cretaceous (Niobrara); Kansas.

Pteranodon longiceps Marsh.

Hay, O. P. 1902 A, 508.
Eaton, G. F. 1904 A, 318, pl. xix.
1910 A, 2, 3.
Koken, E. 1893 B, 435.
Lull, R. S. 1917 B, 360, fig. 86.
Upper Cretaceous (Niobrara); Kansas.

Pteranodon occidentalis Marsh.

Hay, O. P. 1902 A, 508.
Dollo, L. 1889 E, 177.
Eaton, G. F. 1910 A, 1, 14, pl. iii, fig. 2; pl. xix, figs. 9-19; pl. xxiv, figs. 3, 4.
Newberry, J. C. 1871 B, 241 (Pterodactylus).
Williston, S. W. 1903 B, pl. xliv, fig. 4.
Woodward, A. S. 1922 C, 7.
Young, G. W. 1915 A, 247, fig. 18.
Upper Cretaceous (Niobrara); Kansas.

Pteranodon? oregonensis Gilmore.

Gilmore, C. W. 1928 B, 2, figs. 1, 2.
Upper Cretaceous (Upper Chico or Lower Horsetown); Oregon.

Pteranodon velox Marsh.

Hay, O. P. 1902 A, 508.
Eaton, G. F. 1910 A, 2 (Valid species?).
Upper Cretaceous (Niobrara); Kansas.

Pteranodon sp. indet.

Wiman, C. 1920 A, 9, pl. ii; text-fig. 1. Upper Cretaceous (Niobrara); Kansas.

NYCTOSAURINÆ Plieninger.

Plieninger, F. 1907 A, 313.
Hay, O. P. 1902 A, 508 (Nyctosauridæ).
Abel, O. 1919 A, 571.
Dames, W. 1899 E, 554 (Nyctodactylinæ).
Hooley, R. W. 1913 A, 416.
Nopcsa, F. 1923 H, 127.
Sauvage, H. E. 1901 B, 13 (Nyctodactylinæ).
Williston, S. W. 1925 B, 298 (Nyctosauridæ).
Zittel and Broili 1911 A, 307.
1923 A, 378.

NYCTOSAURUS Marsh. Type *Pteranodon gracilis* Marsh.

Hay, O. P. 1902 A, 508.
Abel, O. 1912 F, 334, 688.
1919 A, 571.
Arthaber, G. 1921 A, 1, 43, fig. 38.
Branca, W. 1908 B, 13.
Case, E. C. 1898 C, 724 (Nyctodactylus).
Döderlein, L. 1923 A, 128 (Nyctodactylus).
Dollo, L. 1889 A, 666 (Nyctodactylus).
Eaton, G. F. 1903 B, 83 (Nyctodactylus).
1904 A, 318 (Nyctodactylus).
1910 A, 8, 23.
Gilmore, C. W. 1928 B, 1 (Nyctodactylus).
Hooley, R. W. 1913 A, 411, 416.
Huene, F. 1914 G, 44.
1914 H, 57.
Lucas, F. A. 1902 B, 216 (Nyctodactylus).
Lull, R. S. 1919 A, 223 (Nyctodactylus).
Matthew, W. D. 1920 B, 79.
Nopcsa, F. 1907 A, 226, fig. 77 (Nyctodactylus).
1922 B, 169.
1923 H, 12, 13, 116-118 (Nyctosaurus); 201, pl. iii, fig. 6 (Nyctodactylus).
1928 A, 188.
Plieninger, F. 1901 A, 81, 90 (Nyctodactylus).
1906 A, 411, figs. 6, 7.
1907 A, 313.
Sauvage, H. E. 1901 B, 12 (Nyctodactylus).
Stromer, E. 1910 A, 85 (Nyctodactylus).
1913 A, 60.
Tornier, G. 1913 B, 364.
Versluys, J. 1912 B, 651.
Williston, S. W. 1902 B, 297 (Nyctodactylus).
1902 C, 520, pls. i, ii ("Nyctodactylus").
1902 H, 8 (Nyctodactylus).
1903 B, 125, 157.
1904 C, 59 ("pterodactyls").
1908 C, 718.
1911 E, 696.
1918 A, 79, fig. 3.
1925 A, 89, 103, 138, 145, 147, 148, 196, figs. 72, 80, 94, 109, 118.
1925 B, 298, figs. 190, 191.
Young, G. W. 1915 A, 247.
Zittel and Broili 1911 A, 307.
1923 A, 378.
Zittel, Eastman, etc. 1902 A, 253 (Nyctodactylus).

Nyctosaurus gracilis Marsh.

Hay, O. P. 1902 A, 508.
Abel, O. 1919 A, 572, fig. 448.

Arthaber, G. 1919 B, 429 (Nyctosaurus); 436, 444, 455, figs. 36, 47 (Nyctodactylus).
Broili, F. 1919 A, 304.
Heilman, G. 1913 B, 71, figs. 99, 101.
Huene, F. 1914 H, 57, figs. 1, 7.
Lambe, L. M. 1914 H, 402.
Williston, S. W. 1902 B, 297, plate ("Nyctodactylus").
1903 B, 157, pls. xl-xlii; pl. xliii, figs. 4-11; pl. xliv, figs. 1-3, 5-7; text-fig. 1.
Williston, S. W. 1911 E, 697, fig. 1.
Zittel and Broili 1911 A, 307, fig. 456.
1923 A, 378, fig. 489.
Upper Cretaceous (Niobrara); Kansas.

Nyctosaurus nanus (Marsh).

Hay, O. P. 1902 A, 508 (Pteranodon).
Eaton, G. F. 1910 A, 3.
Williston, S. W. 1903 B, 154 (Pteranodon).
Upper Cretaceous (Niobrara); Kansas.

TRIBELESODONTIDÆ Nopcsa.

Nopcsa, F. 1922 B, 179.

Rhabdopelix Cope. Type *R. longispinis* Cope.

Hay, O. P. 1902 A, 461.
Nopcsa, F. 1922 B, 166, 179.
Parks, W. A. 1927 A, 10.
A genus of uncertain family.

Rhabdopelix longispinis Cope.

Hay, O. P. 1902 A, 461.
Huene, F. 1921 B, 572, figs. 19, 20 (This genus and species?).
Lyman, B. S. 1894 A, 212.
Wherry, E. T. 1912 A, 377.
Triassic (Newark); Pennsylvania.

REPTILE OF UNCERTAIN FAMILY

Apatomerus Williston. Type *A. mirus* Williston.

Williston, S. W. 1903 B, 160.
Zittel and Broili 1923 A, 378.
A genus of very uncertain position.

Apatomerus mirus Williston.

Williston, S. W. 1903 B, 160.
1894 B, 4, pl. i, fig. 4 ("Hyposaurus?").
1898 D, 76, fig. 3 ("Hyposaurus?").
Lower Cretaceous (Comanche); Kansas.

Superorder DINOSAURIA Owen.

Hay, O. P. 1902 A, 481.
Abel, O. 1904 B, 741.
1909 C, (117) ("dinosaurier").
1909 D, (222) ("dinosaurier").
1909 F, 458 ("dinosaurier").
1910 B, (186).
1910 C, (231) ("dinosaurier").
1911 A, 144 ("dinosaurier").
1912 A, 47 ("dinosaurien").
1912 F, 269, 292, 668.
1916 A, 469.
1919 A, 576.
1920 A, 385.
1921 A, 182, 251, 264 ("dinosaurier").
1924 A, 709 ("dinosaurier").
1926 B, 38 ("dinosaurier").
Agassiz, L. 1845 B, 300 ("dinosaurians").
Altmann, F. 1925 A, 87 ("dinosaurier").
Ameghino, F. 1897 B, 257.
1904 B, 13 ("dinosaurios").
1906 A, 77 ("dinosauriens").
1912 A, 47 ("dinosaurien").
Andreae, A. 1903 A, 150 ("dinosaurier").
Andrews, C. W. 1903 C, 1 ("dinosaurs").
Anonymous 1909 A, 198.
Anthony, R. 1912 A ("dinosaurien").
Arldt, T. 1907 C, 676.
1907 D, 650.
1909 A, 261 ("dinosaurier").
Arthaber, G. 1906 A, 307 ("dinosaurier").
Baird, S. F. 1876 A, 311.
Baur, G. 1889 L, 312.
Beard, J. C. 1901 A, 184 ("dinosaurs").
Beebe, C. W. 1906 A, 487 ("dinosaurs").
Bigot, A. 1897 A, 462 ("dinosauriens").
Bittner, F. 1912 A, 14 ("dinosaurier").
Boas, J. E. V. 1914 B, 561.
1914 C, 276 ("dinosaurier").
Boule, M. 1891 A, 11 ("dinosauriens").
1902 B, 906 ("dinosauriens").
Boulenger, G. A. 1903 A, 357.
1904 C, 480.
1917 C, 456 ("dinosauriens").
Branson, E. B. 1918 A, 92 ("dinosaurs").
Brauns, D. 1890 A, 186, 201, 202 (Deinosauria).
Braus, H. 1906 A, 276 ("dinosaurier").
Broili, F. 1908 A, 5 ("dinosaurier").
Bronn, H. G. 1849 A, 846, seq. ("pachypoden").
Broom, R. 1903 I, 554.
1906 C, 437 ("dinosaurs").
1906 D, 362 ("dinosaurs").
1913 G, 345 ("dinosaurs").
1913 O, 629 ("dinosaurs").
1917 A, 977.
1922 A, 17 ("dinosaurs").
1927 A, 74 ("dinosaurs").
Brown, B. 1919 A, 425 ("dinosaurs").
Burroughs, J. 1919 A, 491 ("dinosaurs").
Carus, V. 1875 A, 403.
Case, E. C. 1897 D, 87 ("dinosaurs").
1898 C, 630.
1923 A, 517.
Cleland, J. 1887 A, 391 ("dinosaurs").
Cope, E. D. 1891 N, 35, 41.

Dames, W. 1883 C, 271 ("dinosauriens").
Depéret, C. 1896 A, 181 ("dinosauriens").
1912 A, 703 ("dinosauriens").
Diener, C. 1909 A, 41 ("dinosaurier").
Döderlein, L. 1900 A, 335.
Dollo, L. 1883 G, 594.
1889 G, 675 ("dinosauriens").
1889 H, 676 ("dinosauriens").
1905 B, 251 ("dinosauriens").
1906 A, 441 ("dinosauriens").
1906 C, 3 ("dinosauriens").
1923 B, 68 ("dinosauriens").
Dopp, K. E. 1904 A, 21 ("dinosaurs").
Douglass, E. 1902 C, 212 ("dinosaurs").
Du Toit, P. J. 1913 A, 245 ("dinosaurier").
Eastman, C. R. 1911 B, 183 ("dinosaurs").
1912 C, 658 ("dinosaurs").
1914 B, 688 ("dinosaurs").
Eimer, G. H. T. 1901 A, 257 ("dinosaurier").
Finn, F. 1894 B, 453 ("dinosaurs").
Fraas, E. 1902 A, 76.
1902 C, lxvii ("dinosaurier").
1904 C, 43 ("dinosaurier").
1905 B, 372 ("dinosaurier").
1910 B, xciii ("dinosaurier").
1911 B, 27 ("dinosaurier").
1913 D, lxiv ("dinosaurier").
Frassetto, F. 1915 A ("dinosauri").
Frech, F. 1906 A, 493 ("dinosaurier").
Fuchs, H. 1909 B, 149.
1910 C, 473 ("dinosaurier").
1911 B.
Fürbringer, M. 1902 B, 727 ("dinosaurier").
1904 A.
Gadow, H. 1896 C, 204 ("dinosaurs").
1901 B, 412.
1902 B, 347, 359 ("dinosaurs").
1914 A, 508 ("dinosaurs").
Gaudry, A. 1888 A, 3 ("dinosauriens").
Gervais, P. 1859 A, 467.
Giebel, C. G. 1855 A, 86.
Gill, T. N. 1876 A, 153.
Gilmore, C. W. 1915 C, 52 ("dinosaurs").
1920 A, 64.
Goodrich, E. S. 1916 A, 262.
Gratacap, L. P. 1902 A, 5 ("dinosaurs").
Greene, J. R. 1861 A, 219, 226.
Gregory, W. K. 1913 B, 243 ("dinosaurs").
1913 E, 10 ("dinosaurs").
1915 E, 448 ("dinosaurs").
1916 C, 31 ("dinosaurs").
1919 A, 18 ("dinosaurs").
1927 D, 225 ("dinosaurs").
Gregory and Adams 1915 A, 764 ("dinosaurs").
Haeckel, E. 1868 A, 441, 455.
1873 A, 512, 531.
Hanson, F. B. 1920 B, 332.
Hares, C. J. 1917 A, 429 ("dinosaurs").
Hase, A. 1913 A, 133 ("dinosaurier").
Hatcher, J. B. 1905 B, 102.
1907 A, 10.
Hay, O. P. 1910 C, 1 ("dinosaurs").
Heilmann, G. 1913 B, 7, 50.
1916 A, 80.
1926 A, 204 ("dinosaurs").
Heilprin, A. 1887 A, 416.
Hennig, E. 1912 B, 96 ("dinosaurier").
1924 A, 115.
Hilzheimer, M. 1913 A, 515 ("dinosaurier").
Hoernes, R. 1886 A, 611.
Holland, W. J. 1912 A, 204 ("dinosaurs").
Howes, G. B. 1894 A, 87 ("dinosaurs").
Howes and Swinnerton 1901 A, 2, 69.
Huene, F. 1901 B, 89 ("dinosaurier").
1902 A, 65, 72.
1905 B, 345 ("dinosaurier").
1906 C, 337 ("dinosaurier").
1908 B.
1908 E, 378 ("dinosaurier").
1908 F, 401 ("dinosaurier").
1909 B, 13.
1911 D, 47 ("dinosaurier").
1913 E, 480 ("dinosaurier").
1914 A, 145.
1914 B, 444.
1914 C, 577 ("dinosaurier").
1914 D, 154 ("dinosaurier").
1914 G, 41 ("dinosaurier").
Hutchinson, H. N. 1910 A, 127.
Huxley, T. H. 1855 A, 82 (Pachypoda).
1862 A, xlviii.
1868 D, 309.
1869 E, 573.
1869 F, 574.
1869 I, 395.
1869 J, 91.
1869 K, 146 (Dinosauria, Ornithoscelida).
1870 E, 78.
1870 F, 532 (Ornithoscelida).
1870 G, 465.
1870 H, 487.
1870 I, 23.
1876 F, 181.
Jaekel, O. 1901 B, 53 ("dinosaurier").
1905 B, 65 ("dinosaurier").
1908 B, 467 ("dinosaurier").
1909 C, 706 ("dinosaurier").
1910 C, 338 (Dinosauri).
1911 A, 157 (Dinosauri).
1912 A, 611 ("dinosaurier").
1913 A, 83, fig. 3 ("dinosaurier").
1913 B, 194 ("dinosaurier").
1914 A ("dinosaurier").
1915 A, 99 ("dinosaurier").
1915 B, 7 ("dinosaurier").
Janesch, W. 1914 A ("dinosaurier").
Johnson, A. 1883 A, 405 ("dinosaurs").
Kehrer, F. A. 1896 A, 348 ("dinosaurier").
Kingsley, J. S. 1912 B, 93 ("dinosaurs").
Knowlton, F. H. 1909 A, 229 ("dinosaurs").
1914 A, 337.
Koken, E. 1886 B, 22 ("dinosaurier").
1893 B, 271, 364, 390, 432 ("dinosaurier").
1900 A, 462 ("dinosaurs").
Lafitte, J. P. 1905 A, 407 ("dinosauriens").
Lambe, L. M. 1901 B, 182.
Lankester, E. R. 1905 A, 192 ("dinosaurs").
Larger, R. 1913 A, 702 ("dinosauriens").
Lavocat, A. 1885 A, 39 ("dinosauriens").
Lebedinsky, N. G. 1913 A, 767 ("dinosaurier").
1913 B, 196 ("dinosaurier").
Lee, W. T. 1901 A, 350 ("dinosaurs").
1913 A, 531 ("dinosaurs").
1915 A, 308 ("dinosaurs").
1924 A, xii ("dinosaurs").
Leunis and Ludwig 1883 A, 596.

Lucas, F. A. 1901 F, 482.
1901 H, 586 ("dinosaurs").
1901 J, 39, 90 ("dinosaurs").
1902 B, 139 ("dinosaurs").
1902 C, 641 ("dinosaurs").
Lull, R. S. 1904 A, 486.
1910 A, 1.
1911 B, 173 ("dinosaurs").
1912 A, 208 ("dinosaurs").
1915 A, 117.
1917 A, 471 ("dinosaurs").
1917 B, 294, 322, 501, 504.
1918 C, 129 ("dinosaurs").
1924 A, 225-279.
Lydekker, R. 1903 D, 75.
1908 B, 544.
1909 C, 462 ("dinosaurs").
1912 C, 4, 22, 29.
McGregor, J. H. 1906 A, 86.
Mantell, G. A. 1844 A, 729.
Marsh, O. C. 1899 C, 72 ("dinosaurs").
Matthew, W. D. 1910 G, 151 ("dinosaurs").
1915 A, 181, 275.
1915 C ("dinosaurs").
1919 A, 492 ("dinosaurs").
1923 C, 404, 408 ("dinosaurs").
Meunier, S. 1903 A, 776 ("dinosauriens").
Meyer, H. 1830, Isis, XXIII, 518 (No systematic name).
1845 C, 281 (Pachypodes).
Moodie, R. L. 1909 G, 363.
1915 D, 288 ("dinosaurs").
1915 I, 139 ("dinosaurs").
1916 B, 86 ("dinosaurs").
1916 F, 36 ("dinosaurs").
Mook, C. C. 1918 A, 467.
Mudge, B. F. 1879 A, 224 ("dinosaurs").
Nopcsa, F. 1901 A.
1901 B, 194.
1902 C, 173.
1903 B, 476 ("dinosaurier").
1904 A, 235 ("dinosaurier").
1905 A, 203 ("dinosaurs").
1905 B, 241 ("dinosaurs").
1905 C, 289.
1907 A, 231 ("dinosaurs").
1912 A, 481 ("dinosaurs").
1914 A, 564 ("dinosaurier").
1915 A, 385 ("dinosaurier").
1915 B, 1 ("dinosaurier").
1917 A, 203, 205.
1917 B, 332 ("dinosaurier").
1918 A, 186 ("dinosaurier").
1918 B, 235 ("dinosaurier").
1922 A, 115.
1923 C, 463 ("dinosaurs").
1923 D, 100-116.
1923 E, 1045 ("dinosaurs").
1923 H, 1-3, 5, 6, 8, 85, 109, 125, 171, 174-176, 180, 183, 187, 188, tab.
1924 B, 85 ("dinosaurier").
1926 A, 634.
1928 A, 182.
Osborn, H. F. 1903 D, 313 ("dinosaurs").
1903 H, 454, 456, 466, 504.
1904 H, 113.
1904 Q, 680 ("dinosaurs").
1905 C, 295.
Osborn, H. F. 1915 E, 131.
1917 B, 210-225.
1922 D, 724 ("dinosaurs").
1924 L, 140 ("dinosaurs").
Oswald, F. 1911 A, 403 ("dinosaurians").
Owen, R. 1842 F, 81, 87.
1866 A, 18, 70.
Palacký, J. 1902 B, 140 ("dinosaurier").
Parker, W. K. 1887 B, 53 (Ornithoscelida).
1890 A, 44 ("dinosaurs").
Parker and Haswell 1897 A, 314.
Peale, A. C. 1876 A, 153.
Philippi, Frech and Volz 1903 A, 19 ("dinosaurier").
Pictet, F. J. 1853 A, 466 ("dinosauriens").
Pleininger, F. 1901 A, 88 ("dinosaurier").
Pompeckj, J. F. 1920 A, 109 ("dinosaurier").
Reynolds, S. H. 1897 A, 272, 538.
Rice and Gregory 1906 A, 175 ("dinosaurs").
Riggs, E. S. 1901 B, 272 ("dinosaurs").
1903 C, 168.
Riggs and Farrington 1902 A, 22062 ("dinosaurs").
Romer, A. S. 1923 A, 141.
1923 C, 605 ("dinosaurs").
1927 C, 225 ("dinosaurs").
Roth, S. 1908 A, 94 ("dinosaurier").
Sabatier, A. 1902 A, 100 ("dinosaures").
Schaffer, F. X. 1912 A ("dinosaurier").
Schuchert, C. 1913 A, 34 ("dinosaurs").
1914 B, 282 ("dinosaurs").
1915 A, 827 ("dinosaurs").
1918 B, 261 ("dinosaurs").
Schuchert and Barrel 1914 A, 24 ("dinosaurs").
Seeley, H. G. 1876 C, 159.
1882 A, 366.
1887 D, 337 ("dinosaurs").
1887 E, 191.
1889 B, 69 ("dinosaurs").
1904 A, 342 ("dinosaurs").
Sewertzoff, A. N. 1908 A.
Sinclair and Granger 1914 A, 301 ("dinosaurs").
Stanton, T. W. 1909 A.
Steiner, H. 1922 A, 346 ("dinosaurier").
Steinmann, G. 1907 A, 446.
1910 A, 98 ("dinosaurier").
1922 A, 240 ("dinosaurier").
Sternberg, C. M. 1921 A, 61.
Stremme, H. 1909 A, 505 ("dinosaurier").
Stromer, E. 1912 A, 83, 125.
Terra, P. 1911 A, 241.
Thevenin, A. 1909 A, 1226 ("dinosauriens").
Thompson, A. H. 1906 A, 262 ("dinosaurs").
Tolmachoff, I. 1924 A, 489.
Tornier, G. 1909 B, 513 ("dinosaurier").
1913 B, 366.
Tornquist, A. 1897 A, 683 ("dinosaurier").
Vallois, H. V. 1921 A, 971 ("dinosauriens").
Van den Broeck, E. 1900 A, 81 ("dinosauriens").
Versluys, J. 1901 B, 175 ("dinosaurier").
1910 B, 175 ("dinosaurier").
1911 A, 138 ("dinosaurier").
1912 A, 491, 494 ("dinosaurier").
1912 B, 573, 653.
Vogt, C. 1879 A, 247 ("dinosauriens").
Wamich, P. 1913 A, 25.
Watson, D. M. S. 1916 C, 611 ("deinosaurs").
Weidenreich, F. 1925 A, 37 ("dinosaurier").

White, C. A. 1885 A, 56 ("dinosaurians").
Whitnal, H. O. 1925 A, 1-26.
Wieland, G. R. 1907 A, 66 ("dinosaurs").
1912 A, 288.
1912 B, 299.
1925 A, 601 ("dinosaurs").
1925 B, 557.
Wilckens, O. 1911 A, 705 ("riesensaurier").
Williston, S. W. 1879 A, 457 ("dinosaurs").
1904 B, 176.
1909 A, 396 ("dinosaurs").
1911 F, 661.
1914 A, 18, 45.
1915 D, 124 ("dinosaurs").
Williston, S. W. 1917 C, 412.
1925 A, *passim*.
1925 B, 214, 291.
Wiman, C. 1916 D, 413 ("dinosaurians").
Woodward, A. S. 1897 C, 379 ("dinosaurs").
1909 A, 325 ("dinosaurs").
1910 B, 464 ("dinosaurs").
1922 C, 16.
Woodward, H. 1904 B, 145.
Wright, W. 1909 A, 673 ("dinosaurs").
Zittel, K. A. 1897 A, 128 ("dinosaurien").
Zittel and Broili 1911 A, 273.
1923 A, 332, 383.
Zittel, Eastman, etc. 1902 A, 223.

Order SAURISCHIA Seeley.

Seeley, H. G. 1888 B, 699.
Abel, O. 1911 A, 159, 171.
1912 F, 405.
1916 A, 471.
1919 A, 576 (Saurischia); 584 (Pachypodosauria).
1920 A, 390 (Pachypodosauria).
Arldt, T. 1909 A, 261 ("saurischier").
1912 A, 668, 678.
Boas, J. E. V. 1914 B, 562.
Cope, E. D. 1891 N, 43.
Drevermann, F. 1911 A, 274.
Gilmore, C. W. 1924 H, 3.
Gregory, W. K. 1919 A, 18.
Haeckel, E. 1873 A, 531 (Harpagosauria).
Huene, F. 1908 B, 405.
1908 D, 294.
1909 B, 13.
1914 A, 145 (Saurischia); 146 (Pachypodosauria).
1914 B, 444.
1914 C, 577.
1914 D, 154.
1914 G, 22 (Saurischia); 37 (Pachypodosauria).
1914 I, 69.
1914 K, 11 (Saurischia); 12 (Pachypodosauria).
1915 B, 1 ("saurischier").
1919 A, 181.
1921 D, 395.
1922 E, 24.
1922 F, 410.
1923 A, 449.
1926 B, 35-167.
1926 D, 473
1927 E, 326.
1927 F, 103 ("saurischier").
Jaekel, O. 1910 C, 339 (Præpubici).
1911 A, 158 (Præpubici).
Lull, R. S. 1915 A, 117.
1917 B, 294, 504, 506 (Saurischia); 505, 508 (Pachypodosauria).
1924 A, 228.
Matthew, W. D. 1915 C, 32 (Saurischia, Pachypodosauria).
1921 D, 211.
1923 C, 408.
Nopcsa, F. 1911 A, 111.
1915 B, 1.
1917 A, 204.
1917 B, 337.
1918 B, 235.
1922 A, 115, 116.
1923 H, 9-179.
1928 A, 182.
Romer, A. S. 1923 A, 141.
1923 C, 605, fig. 1.
Seeley, H. G. 1887 F, 562 (Cetiosauria).
1888 C, 86 (Saurischia).
1888 G, 171.
1889 A, 286.
1892 C, 188.
1894 B, 233.
1894 D, 412.
Steiner, H. 1922 A, 339.
Steinmann, G. 1909 A, 67.
1910 A, 99.
Stromer, E. 1915 B, 28.
Van den Broeck, E. 1900 A, 101.
Watson, D. M. S. 1917 C, 180.
Williston, S. W. 1917 C, 414.
1925 A, 118, 150, 154.
1925 B, 214, 291.
Zittel and Broili 1911 A, 278.
1923 A, 340.

Suborder THEROPODA Marsh.

Hay, O. P. 1902 A, 487.
Abel, O. 1910 C, 231 ("theropoden").
1911 A, 157, 161, 171.
1912 E, 224 ("theropoden").
1912 F, 276, 292, 704.
1916 A, 473 ("theropoden").
1919 A, 591.
1920 A, 386.
Ameghino, F. 1906 A, 39.
Arldt, T. 1907 D, 685.
Arthaber, G. 1910 A, 553.
Bigot, A. 1897 A, 463 ("théropodes").
Bittner, F. 1912 A, 17 ("theropoden").
Broom, R. 1913 J, 364.
1914 H, 1076 ("theropodous dinosaurs").
1924 B, 64, fig. 13.
Case, E. C. 1897 D, 88.
1898 C, 632.
Depéret, C. 1912 A, 705 ("théropodes").
Dollo, L. 1889 H, 679 ("théropodes").
1906 A, 445 ("théropodes").
Drevermann, F. 1911 A, 274.

Fraas, E. 1911 B, 32 ("theropoden").
Fürbringer, M. 1888 A, 1620.
Gadow, H. 1896 C, 204.
1901 B, 420.
Gilmore, C. W. 1920 B, 1-154.
Gregory, W. K. 1919 A, 18.
Gregory and Camp 1918 A, 530.
Haeckel, E. 1866, Gen. Morph., II, 136 (Harpagosauria).
1868 A, 455 (Harpagosauria).
Hatcher, J. B. 1903 A, 47.
1907 A, 10 ("carnivorous dinosaur").
Hay, O. P. 1908 C, 678.
1910 C, 7.
Heilmann, G. 1926 A, 207.
Heilprin, A. 1887 A, 162.
Hennig, E. 1912 B, 98 ("theropoden").
1924 A, 130.
Hilzheimer, M. 1913 A, 515 ("theropoden").
Hoernes, R. 1886 A, 619.
Hoffmann, C. K. 1890 B, 1313 (Theropoda); 315 (Goniopoda).
Hooley, R. W. 1912 A, 448.
Huene, F. 1901 A, 160 ("theropoden").
1901 B, 89 ("theropoden").
1902 A, 72.
1906 A, 2 ("theropoden").
1908 B, 306, 340, 351.
1914 A, 145.
1914 G, 39, pl. vii ("theropoden").
1926 B, 46, 77 (Carnosauria).
Huxley, T. H. 1870 G, 478 (Goniopoda, Symphypoda).
Jaekel, O. 1914 A, 197 (Therophagi).
Janensch, W. 1925 A, 54, 77, 95 ("theropoden").
Johnson, A. 1883 A, 408.
Koken, E. 1893 B, 396 ("theropoden").
1900 A, 463.
Lafitte, J. P. 1905 A, 410.
Lambe, L. M. 1914 B, 129, pl. iii.
Lebedinsky, N. G. 1913 A, 767 ("theropoden").
Lucas, F. A. 1902 B, 164.
Lull, R. S. 1904 A, 486.
1904 D, 143 ("carnivorous dinosaur").
1910 A, 2, 4, 19.
1912 A, 208.
1914 D, 353.
1915 A, 180.
1915 F, 831.
1917 A, 471.
1917 B, 294, 505.
1924 A, 237.
Lydekker, R. 1912 C, 29.
Matthew, W. D. 1910 D, 555.
1915 A, 278.
1915 C, 27, 33.
1923 C, 408.
Newton, E. T. 1894 A, 601 ("theropodous dinosaur").
Nopcsa, F. 1901 A, 249.
1902 C, 174 ("theropoden").
1905 C, 289.
1907 A, 231.
1915 B, 15, 18 ("theropoden").
1917 A, 205 ("theropoden").
1918 B, 246 ("theropoden").
1922 A, 115 ("theropoden").
1923 H, 4, 99, 106, 173.
1928 A, 182 (Pachypodosauroidea).
Osborn, H. F. 1903 H, 456, 466.
1904 H, 113 (Theropoda); 114 (Symphypoda).
1904 N, 308.
1904 Q, 690 ("carnivorous dinosaurs").
1905 C, 295.
1917 A, 771.
1917 B, 195.
1924 L, 143.
Palacký, J. 1902 B, 140.
Peck, F. B. 1904 A, 29.
Pompeckj, J. F. 1921 A, 2 ("theropoden").
Reynolds, S. H. 1897 A, 207, 273, 276.
Rice and Gregory 1906 A, 177.
Seeley, H. G. 1888 G, 168, 171.
Simpson, G. G. 1926 E, 8 ("theropods").
1926 H, 208.
Steiner, H. 1922 A, 338 ("theropoden").
Steinmann, G. 1907 A, 447.
1908 A, 220.
1910 A, 99.
Stromer, E. 1915 B, 1-32.
Terra, P. 1911 A, 241 ("theropoden").
Tornier, G. 1913 B, 367, 375 (Plateosauria).
Van den Broeck, E. 1900 A, 82, 83 ("théropodes").
Versluys, J. 1910 B, 181 ("theropoden").
1912 A, 499 ("theropoden").
1912 B, 683, 687.
Wieland, G. R. 1925 B, 559 ("theropods").
Williston, S. W. 1914 A, 18, 45.
1925 A, *passim*.
1925 B, 214, 291.
Woodward, A. S. 1922 C, 24.
Zittel and Broili 1911 A, 278.
1923 A, 336, 342, 366.
Zittel, Eastman, etc. 1902 A, 227.

Superfamily ZANCLODONTOIDÆ, new name.

Greene, J. R. 1861 A, 219, 226 (Thecodontia).
Huxley, T. H. 1875 B, 435 (Thecodontosauria).
Nopcsa, F. 1923 H, 125 (Pachypodosauria, in part).
Owen, R. 1860 A, 163 (Thecodontia; types Thecodontosaurus, Palæosaurus, Cladyodon).

ZANCLODONTIDÆ Zittel.

Zittel, K. A. 1890 A, 719.
Arldt, T. 1909 A, 261 ("thecodontosauriden").
1912 A, 662.
Hoffmann, C. K. 1890 B, 1313.
Huene, F. 1908 B, 262, 305 ("thecodontosauriden").
1909 B, 13.
Huene, F. 1914 G, pl. vii.
Huxley, T. H. 1870 I, 23 (Thecodontosauri).
1875 B, 433 (Zanclodon).
Lull, R. S. 1924 A, 229.
Matthew, W. D. 1915 C, 32.
Newton, E. T. 1894 A, 599 (Zanclodon).
1899 B, 92, 96, pl. x (Zanclodon).

Nopcsa, F. 1923 H, 125 (Thecodontosauridæ).
1928 A, 182 (Thecodontosauridæ).
Plieninger, T. 1847 A, 152, pl. iii (Smilodon, syn. of Zanclodon).
Seeley, H. G. 1892 C, 189 (Zanclodon).
Seeley, H. G. 1899 C, 95.
Zittel and Broili 1911 A, 279 (Anchisauridæ Thecodontosauridæ).
1923 A, 340 (Zanclodontidæ); 344 (Thecodontosauridæ).

THECODONTOSAURUS Riley and Stutchbury.

Hay, O. P. 1902 A, 492.
Abel, O. 1919 A, 588.
Bronn, H. G. 1848 B, 1267.
1849 A, 691.
Cummins, W. F. 1908 A, 745 (Paleosaurus).
Depéret, C. 1912 A, 705.
Emmons, E. 1852 A, 141, 159 (This genus?).
Fraas, E. 1911 B, 30.
Giebel, C. G. 1855 A, 92.
Heilmann, G. 1913 B, 19, 56, figs. 63, 67.
Heilprin, A. 1887 A, 160.
Hoernes, R. 1886 A, 621.
Hoffmann, C. K. 1890 B, 1309.
Huene, F. 1901 A, 160.
1902 A, 57, fig. 71.
1905 B, 345.
1906 A, 2.
1906 B, 105, 149, 151, fig. 99.
1906 C, 336.
1908 B, 262, 301.
1908 C, 99.
1908 G, 228.
1909 B, 13.
1909 C, 321.
1914 F, 672.
1914 G, 20.
1914 I, 75.
Huxley, T. H. 1865 C, 13.
1869 K, 146.
1870 G, 481.
1870 H, 501, pl. xxix (Thecodontosaurus, Palæosaurus).
1875 B, 435.
1875 E, 80.
Lull, R. S. 1915 A, 129.
1924 A, 229.
Lydekker, R. 1885 G, 28.
Newton, E. T. 1899 B, 92 (Thecodontosaurus, Palæosaurus).
Nopcsa, F. 1901 A, 252.
1902 B, 106.
1903 B, 488.
1917 B, 337, 342, figs. 1, 2.
1918 B, 242.
1923 H, 97.
1928 A, 182.
Owen, R. 1842 F, 75 (Palæosaurus).
1845 B, 266 (Thecodontosaurus, Palæosaurus).
Owen, R. 1860 A, 163 (Thecodontosaurus, Paleosaurus).
1860 F, 248 (Thecodontosaurus, Palæosaurus).
Pictet, F. J. 1853 A, 502.
Plieninger, T. 1847 A, 150.
Seeley, H. G. 1887 E, 189.
1892 C, 189.
1899 C, 95 (Thecodontosaurus, Palæosaurus).
Steiner, H. 1922 A, 347, 348.
Versluys, J. 1910 B, 200, figs. H, J.
1912 A, 499.
1912 B, 574, 589.
Watson, D. M. S. 1917 C, 180.
Williston, S. W. 1925 B, 292.
Zittel and Broili 1911 A, 280.
1923 A, 344.

Thecodontosaurus gibbidens Cope.

Hay, O. P. 1902 A, 492.
Huene, F. 1921 B, 571, figs. 14, 15.
Lyman, B. S. 1894 A, 209.
Nopcsa, F. 1901 B, 198.
Triassic (Newark); Pennsylvania.

Thecodontosaurus polyzelus (Hitchcock, E. Jr.).

Hay, O. P. 1902 A, 491 (Anchisaurus).
Abel, O. 1912 F, 71, 274.
Heilmann, G. 1926 A, 154 (Anchisaurus).
Hitchcock, E. Jr., in Hitchcock, E. Sr. 1865 A, 39, pl. (Megadactylus).
Huene, F. 1906 B, 115 (Megadactylus); figs. 10, 10a (Thecodontosaurus).
1908 B, 301, 307, 317.
1914 I, 75, figs. 23-24.
1926 E, 6.
Lull, R. S. 1904 D, 142, fig. 1 ("dinosaur").
1912 D, 411 (Anchisaurus).
1915 A, 119, figs. 14-17 (Anchisaurus).
1917 D, 111, 112 (Anchisaurus).
Lyman, B. S. 1894 A, 211 (Anchisaurus).
Nopcsa, F. 1901 B, 196 (Anchisaurus).
Seeley, H. G. 1887 E, 191 (Megadactylus).
1894 D, 418.
Triassic (Newark); Massachusetts.

Superfamily MEGALOSAUROIDÆ Nopcsa.

Nopcsa, F. 1928 A, 183.
Arldt, T. 1907 D, 664 (Megalosauridæ).
1909 A, 262 ("megalosauriden").
Bertrand, C. E. G. 1903 A, 123 ("mégalosaures").
Brauns, D. 1890 A, 186 ("megalosaurier").
Gervais, P. 1859 A, 465 ("mégalosauridés").
Günther, A. 1886 A, 443 (Megalosauridæ).
Hoernes, R. 1886 A, 619 (Megalosauridæ).
Hoffmann, C. K. 1890 B, 1308 (Megalosauridæ).
Huene, F. 1906 A, 1 (Megalosauridæ).
1906 C, 336 (Megalosaurus).
1909 B, 15 (Megalosauridæ).
1914 A, 146 (Megalosauria).
1914 G, 38, pl. vii (Megalosauridæ).
1923 A, 451 (Carnosauria); 457 (Megalosauridæ).
1926 B, 97, 103, 105 (Megalosauridæ).
1926 D, 474 (Pachypodosauria, Carnosauria).

Huxley, T. H. 1869 I, 394, pl. xxvii (Megalosaurus).
1869 K, 146 (Megalosauridæ).
1870 G, 466 (Megalosaurus).
1870 H, 488 (Megalosauridæ).
1870 I, 23 (Megalosaurus).
Janesch, W. 1920 A, 230 ("megalosauriden").
Koken, E. 1893 B, 365 ("megalosaurier").
1900 A, 463 (Megalosauridæ).
Matthew, W. D. 1915 C, 32 (Megalosauridæ).
Matthew and Brown 1922 A, 368, 376 (Megalosauridæ).
Nopcsa, F. 1901 A, 249 (Megalosauridæ).
Nopcsa, F. 1901 B, 195, 196, 198 (Megalosauridæ).
1918 B, 240 ("megalosauriden").
1923 H, 126, 173, 174, tab. (Megalosauria).
1928 A, 183 (Megalosauroidæ, Megalosauridæ, Megalosaurinæ).
Osborn, H. F. 1904 H, 113 (Megalosauria).
1924 C, 12 (Megalosauridæ).
Owen, R. 1842 F, 81 ("megalosaurs").
Prevost, C. 1825 A, 41 (Megalosaurus).
Tornier, G. 1913 B, 368, 375 (Megalosauridæ).
Woodward, A. S. 1916 A, lxxiv (Megalosaurus).
Zittel and Eastmann, etc. 1902 A, 228 (Megalosauridæ).

ANCHISAURIDÆ Marsh.

Hay, O. P. 1902 A, 491.
Abel, O. 1919 A, 588 (Zanclodontidæ); 595 (Anchisauridæ).
Arldt, T. 1907 D, 637.
Bittner, F. 1912 A, 16 ("anchisauriden").
Hoffmann, C. K. 1890 B, 1314 (Amphisauridæ).
Huene, F. 1902 A, 72.
1914 D, 156 ("ammosauriden").
1914 K, 13 (Ammosauridæ).
Jaekel, O. 1914 A, 197 ("anchisauriden").
Koken, E. 1900 A, 463.
Lull, R. S. 1917 D, 111.
1924 A, 229.
Matthew, W. D. 1915 C, 32.
Nopcsa, F. 1901 A, 249 (subfam. Megalosauridæ).
1903 B, 486 ("anchisauriden").
1904 A, 235.
1923 H, 125.
1928 A, 182.
Palacký, J. 1902 B, 140 ("anchisauriden").
Tornier, G. 1913 B, 368, 375.
Versluys, J. 1912 B, 683 ("anchisauriden").
Williston, S. W. 1925 B, 292.
Zittel and Broili 1911 A, 279.
1923 A, 344, 366.

ANCHISAURUS Marsh. Type *Megadactylus polyzelus* Hitchcock, E. Jr.

Hay, O. P. 1902 A, 491.
Abel, O. 1910 C (231).
1911 A, 156, 169.
1912 F, 267, 292, 659.
1916 A, 470, fig. 1.
Beddard, F. E. 1898 A, 156.
Bigot, A. 1897 A, 462.
Bittner, F. 1912 A, 17.
Boas, J. E. V. 1914 B, 571, fig. 24.
Broom, R. 1906 G, 203.
1913 O, 629.
Case, E. C. 1898 C, 632.
Dollo, L. 1889 H, 679.
Fuchs, H. 1909 B, 150.
Gadow, H. 1896 C, 207.
1901 B, 421.
Gaudry, A. 1896 A, 94, fig. 73.
Gilmore, C. W. 1920 B, 145.
Heilmann, G. 1916 A, 85.
1926 A, 203, fig. 19.
Hitchcock, E. Jr. in Hitchcock, E. Sr. 1865 A, 39 (Megadactylus, type M. polyzelus; preoccupied).
Hoernes, R. 1886 A, 620 (Amphisaurus).
Huene, F. 1905 B, 345.
1906 B, 110, 149.
1908 B, 262.
1909 B, 13.
1909 C, 321.
1912 C, 120 (Syn. of Thecodontosaurus).
Hutchinson, H. N. 1910 A, 145, pl. xvii.
Jaekel, O. 1910 E, 224, fig. 18.
Lucas, F. A. 1902 B, 167.
Lull, R. S. 1904 A, 471.
1910 A, 14.
1915 A, 118.
1917 B, 508.
Lull, R. S. 1924 A, 229.
Lydekker, R. 1912 C, 24.
Marsh, O. C. 1893 G, 169, pl. vi.
Matthew, W. D. 1910 D, 555.
Newton, E. T. 1894 A, 600.
Nopcsa, F. 1900 A, 560.
1901 A, 250 (Amphisaurus, Anchisaurus).
1902 C, 168 (Anchiosaurus).
1903 B, 488.
1905 C, 292.
1906 A, 66.
1918 B, 239.
1923 H, 97, 146.
1928 A, 182.
Osborn, H. F. 1903 D, 471.
1917 B, 211, 213, 216, figs.
Plieninger, F. 1907 A, 295.
Schuchert and Levene 1927 A, 320, fig.
Steiner, H. 1922 A, 346.
Thyng, F. W. 1906 A, 62, fig. 8.
Tornquist, A. 1897 A, 683.
Versluys, J. 1910 B, 200.
1912 A, 499.
1912 B, 574, 589, 643, fig. h.
Watson, D. M. S. 1914 C, 397.
Whitnal, H. O. 1925 A, 9.
Williston, S. W. 1879 A, 458 (Megadactylus).
1885 A, 629 (Megadactylus).
1886 A, 282 (Anchisaurus, Amphisaurus).
1904 B, 177, text-fig. 9.
1925 A, 191, 196, 197, fig. 156.
1925 B, 292.
Woodward, A. S. 1907 B, 143.
Woodward, H. 1904 B, 145.
Zittel and Broili 1911 A, 279.
1923 A, 344.
Zittel, Eastman, etc. 1902 A, 228.

Anchisaurus colurus Marsh.

Hay, O. P. 1902 A, 491.
Abel, O. 1908 D, (210), fig. 1.
1909 F, 459.
1911 A, 157, 159.
1912 F, 274, 405, fig. 456.
1919 A, 527, figs. 418, 461, 462.
Arthaber, G. 1921 B, 402.
Bittner, F. 1912 A, 16.
Boas, J. E. V. 1914 C, 278, fig. 65.
Case, E. C. 1922 B, 80 (A. cœlurus).
Fuchs, H. 1909 B, 130, fig. 10.
Gadow, H. 1901 B, 421, fig. 98 (A. cœlurus).
Hay, O. P. 1910 C, 12.
Heilmann, G. 1913 B, 28, fig. 73.
1916 A, 93, fig. 110.
1926 A, 169, fig. 122.
Huene, F. 1906 B, 102, pls. i-iii, figs. 2-7.
1908 B, 272, 273, 278, 307, pl. cx, figs. 3-5; text-fig. 318.
1909 C, 318.
1910 E, 318.
1914 A, 1.
1914 D, 156.
1914 I, 69, figs. 1, 6-11.
1926 E, 6.
Hutchinson, H. N. 1910 A, 142.
Lambe, L. M. 1917 B, 75.
Lull, R. S. 1904 A, 470.
1912 D, 411, 412, fig. 2; 413, fig. 3; 414.
1915 A, 78, 130, pls. iv, x; text-figs. 18-21.
1917 D, 111, 112, 114, pl. iv.
Lull, R. S. 1920 A, 86.
1927 A, 49.
Matthew, W. D. 1924 H, 726 ("anchisaurus").
Nopcsa, F. 1902 C, 168, fig. 3.
Rice and Gregory 1906 A, 175, text-fig. 3.
Schuchert, C. 1910 A, 438.
Smith, N. 1820 A, 146 ("human bones?" A. colurus, *fide* Huene).
Talbot, M. 1911 A, 475.
Versluys, J. 1910 B, 205, figs. K, M, N.
Triassic (Newark); Connecticut.

Anchisaurus solus Marsh.

Hay, O. P. 1902 A, 491.
Huene, F. 1906 B, 110, pl. iv (This genus?).
1908 B, 278, 307, pl. cv, fig. 2 (This genus?).
1910 E, 318.
1914 G, 37.
1914 I, 72, figs. 12-19.
1926 E, 6.
Lull, R. S. 1912 D, 411, 414.
1915 A, 78, 144, 202, figs. 22, 23.
1917 D, 111, 112.
Marsh, O. C. 1893 G, 169.
Matthew, W. D. 1924 H, 726 ("anchisaurus").
Schuchert, C. 1910 A, 438.
Triassic (Newark); Connecticut.

Anchisaurus sp. indet.

Lull, R. S. 1927 A, 49 (This genus?). Triassic (Newark); Connecticut.

AMMOSAURUS Marsh. Type *Anchisaurus major* Marsh.

Hay, O. P. 1902 A, 491.
Huene, F. 1906 B, 107, 149.
1908 B, 304.
1908 E, 380.
1909 B, 13.
1914 I, 74, figs. 20-22.
1914 K, 13.
1926 E, 6.
Lull, R. S. 1910 A, 14.
1915 A, 148.
1917 B, 508, fig. 153.
Nopcsa, F. 1901 A, 250.
1928 A, 182.
Williston, S. W. 1925 B, 292.
Woodward, A. S. 1907 B, 143.
Zittel and Broili 1923 A, 345.

Ammosaurus major Marsh.

Hay, O. P. 1902 A, 491.
Abel, O. 1912 F, 71, 274, 406 (A. maior).
Huene, F. 1906 B, 107, 111, 114, pls. v-ix, fig. 9.
1908 B, 303, 307, figs. 297, 298.
1914 D, 156.
Lull, R. S. 1912 D, 411, 414.
1915 A, 78, 148, figs. 24, 25.
1917 D, 111, 114.
1927 A, 49.
Lyman, B. S. 1894 A, 211 (Anchisaurus).
Rice and Gregory 1906 A, 174.
Schuchert, C. 1910 A, 438.
Zittel and Broili 1911 A, 280, figs. 423 (Anchisaurus).
Zittel, Eastman, etc. 1902 A, 228, fig. 327 (Anchisaurus).
Triassic (Newark); Connecticut.

PALÆOCTONUS Cope. Type *P. appalachianus* Cope.

Hay, O. P. 1902 A, 490.
Cross and Howe 1905 A, 468, 480, 494.
Huene, F. 1926 I, 76.
Lucas, F. A. 1901 B, 376.
1902 B, 140.
Mehl, M. G. 1915 A, 164 (Palæochtenus).
1915 B, 522.
Nopcsa, F. 1901 A, 255.
Sinclair, W. J. 1918 A, 459.
Williston, S. W. 1905 B, 340.
1905 D, 297.

Palæoctonus appalachianus Cope.

Hay, O. P. 1902 A, 490.
Huene, F. 1921 B, 561, 570, figs. 1, 2.
Lyman, B. S. 1894 A, 209.
Triassic (Newark); Pennsylvania.

Palæoctonus dumblianus Cope.

Hay, O. P. 1902 A, 490.
Huene, F. 1926 E, 4.
Montgomery, T. H. 1904 A, 57. (Palæoctonus).
Triassic (Dockum); Texas, Arizona.

Palæoctonus orthodon Cope.

Hay, O. P. 1902 A, 490.
Huene, F. 1926 E, 4.
Triassic (Dockum); Texas, Arizona.

Palæoctonus sp. indet.

Cross, W. 1899 B, 3. Triassic (Dolores); Colorado.
1905 B, 5. Triassic (Dolores); Colorado.
1908 A. Triassic (Shinarump); Arizona.
Gregory, H. E. 1917 A, 46. Triassic (Chinle); Arizona.

CLEPSYSAURUS Lea. Type *C. pennsylvanicus* Lea.

Hay, O. P. 1902 A, 492.
Heilprin, A. 1887 A, 160.
Hoffmann, C. K. 1890 B, 1314.
Huxley, T. H. 1865 C, 13.
1869 K, 146.
1870 H, 507.
Nopcsa, F. 1901 A, 250.
Sinclair, W. J. 1918 A, 459.

Clepsysaurus fraserianus (Cope).

Hay, O. P. 1902 A, 492 (Thecodontosaurus).
Huene, F. 1921 B, 567, fig. 10 ("Palæosaurus").
Lyman, B. S. 1894 A, 209 (Palæosaurus).
Nopcsa, F. 1901 A, 251 (Palæosaurus).
1901 B, 197 (Palæosaurus).
Triassic (Newark); Pennsylvania.

Clepsysaurus pennsylvanicus Lea.

Hay, O. P. 1902 A, 492.
Abel, O. 1922 D, 52.
Emmons, E. 1857 B, 370.
Hawkins, A. C. 1914 A, 153 (Clepsisaurus).
Huene, F. 1906 B, 101.
1921 B, 565, fig. 7.
1922 F, tab.
Jäger, G. 1856 A, 959 (Clepsosaurus pensylvanicus).
Lyman, B. S. 1894 A, 209, 214.
Mehl, M. G. 1915 A, 162 (Syn. of Rutiodon carolinensis).
Rogers, H. D. 1858 B, 695.
Ruschenberger and Tryon 1879 A, 13.
Wherry, E. T. 1912 A, 378.
Triassic (Newark); Pennsylvania, New Jersey, North Carolina.

Clepsysaurus veatleianus Cope.

Hay, O. P. 1902 A, 492.
Huene, T. 1921 B, 567, figs. 8, 9 (Syn. of C. fraserianus).
Lyman, B. S. 1894 A, 209.
Sinclair, W. J. 1918 A, 461.
Triassic (Newark); Pennsylvania.

SUCHOPRION Cope. Type *S. cyphodon* Cope.

Hay, O. P. 1902 A, 490.

Suchoprion aulacodus Cope.

Hay, O. P. 1902 A, 490.
Cope, E. D. 1877 E, 184 (Palæoctonus).
Huene, F. 1921 B, 563, 567, figs. 3, 4 (Palæoctonus).
Lyman, B. S. 1894 A, 209.
Triassic (Newark); Pennsylvania.

Suchoprion cyphodon Cope.

Hay, O. P. 1902 A, 490.
Huene, F. 1921 B, 565, fig. 6.
Lyman, B. S. 1894 A, 209.
Triassic (Newark); Pennsylvania.

Suchoprion sulcidens Cope.

Hay, O. P. 1902 A, 490.
Huene, F. 1921 B, 564, fig. 5.
Triassic (Newark); Pennsylvania.

ARCTOSAURUS Adams. Type *A. osborni* Adams.

Hay, O. P. 1902 A, 492.
Case, E. C. 1898 C, 634.
Huene, F. 1902 A, 52.
1906 B, 102.
Nopcsa, F. 1901 A, 250.

Arctosaurus osborni Adams.

Hay, O. P. 1902 A, 492.
Feilden and DeRance 1878 A, 560.
Huene, F. 1902 A, 52, fig. 60.
1926 H, 514.
Jaekel, O. 1915 A, 89.
Lambe, L. M. 1904 C, 26, 38, 48.
Mesozoic; Bathurst Island.

POPOSAURUS Mehl. Type *P. gracilis* Mehl.

Mehl, M. G. 1915 B, 516.
Nopcsa, F. 1921 A, 348.
1923 H, 109, 126, 145.
Zittel and Broili 1923 A, 344.
A genus of uncertain affinities. Put by Nopcsa in the Orthopoda.

Poposaurus gracilis Mehl.

Mehl, M. G. 1915 B, 516, figs. 1, 2.
Triassic (Popo Agie); Wyoming.

MEGALOSAURIDÆ Huxley.

Huxley, T. H. 1870 D, 34.

For citations of literature see under Megalosauroidæ.

ANTRODEMUS Leidy. Type *A. valens* Leidy.

Unless otherwise indicated the authors, as quoted, employ for this genus, the name *Allosaurus*.

Hay, O. P. 1902 A, 489 (Allosaurus, Antrodemus).
Abel, O. 1908 D, (211).
1909 F, 459, 478.
1910 C, (231).
1911 A, 157, 160.
1912 F, 267, 292, 403, 589, 659.
1916 A, 470, figs. 1-3, 6.
1920 A, 387, fig. 603.
1921 A, 257, 266, fig. 93.
1922 C, 358, figs. 308, 344, 345.
Andreae, A. 1903 A, 150.
Anonymous 1910 B, 8.
Beasley, W. L. 1907 D, 446, 5 figs.
Boas, J. E. V. 1914 B, 570, fig. 23.
Brauns, D. 1890 A, 186.
Broili and Fischer 1917 A, 413.
Brown, B. 1908 C, 54.
Case, E. C. 1898 C, 635.
1910 C, 192.
1922 B, 80.
Clark, Bibbins, and Berry 1911 A, 66.
Darton, N. H. 1908 A, 446.
Dollo, L. 1889 H, 680 (Labrosaurus).
Eastman, C. R. 1915 C, 659.
Fuchs, H. 1909 B, 150.
Gadow, H. 1901 B, 422.
Gilmore, C. W. 1915 C, 53, pl. x ("allosaur").
1915 E, 501, fig. 1.
1919 A, 111.
1920 B, 2, 144.
1924 G, 33.
1925 A, 360, 362.
Gregory, W. K. 1927 C, 171.
Gregory and Camp 1918 A, 530.
Hartz, N. 1902 A, 167 ("dinosaur").
Hatcher, J. B. 1901 C, 326.
Hay, O. P. 1908 C, 678.
1908 E, 353 (Antrodemus).
1909 F, 93.
1910 C, 4.
Heilmann, G. 1926 A, 203 (Antrodemus).
Heilprin, A. 1887 A, 162.
Hennig, E. 1924 A, 144.
Hoernes, R. 1886 A, 621 (Labrosaurus).
Huene, F. 1901 A, 160.
1901 B, 101.
1906 B, 151, fig. 98.
1908 B, 334 (Labrosaurus).
1909 B, 15.
1914 C, 577, 583.
1915 B, 13.
1923 A, 450.
1926 B, *passim*.
1926 D, 474.
Huene and Lull 1908 A, 142.
Hutchinson, H. N. 1910 A, 135, pl. xv; text-fig. 44.
Janensch, W. 1925 A, *passim*.
Koken, E. 1893 B, 396.
Lambe, L. M. 1917 B, 52.
Lebedinsky, N. G. 1913 A, 767.
Loomis, F. B. 1901 A, 195.
Lucas, F. A. 1902 A, 165, fig.
Lull, R. S. 1904 A, 471.
1910 A, 2, 15 (Labrosaurus).
1911 B, 173.
1912 C, 680.
1917 A, 471.
1917 B, 507, fig. 151.
1924 A, 230, fig. 22.
Lydekker, R. 1913 A, 14.
Matthew, W. D. 1908 E, 3, fig.
1910 F, 8.
1915 C, 36, figs. 11, 12.
Matthew and Brown 1922 A, 368, 369.
Mook, C. C. 1916 A, 154 (Antrodemus).
1918 A, 467.
Nopcsa, F. 1901 A, 253 (Antrodemus = Megalosaurus).
1901 B, 198 (Allosaurus); 199 (Antrodemus = Megalosaurus).
1905 C, 292.
1906 A, 75.
1923 H, 93, pl. vi, fig. 11 (Antrodemus); 147 (Allosaurus).
1925 A, 19.
1925 B, 9.
1928 A, 183.
Osborn, H. F. 1904 F, 8, fig. 3.
1905 A, 260.
1906 A, 283, fig. 2.
1912 J, 27.
1917 B, 213, fig. 221.
1924 I, 6.
Parks, W. A. 1928 A.
Reed, W. R. 1909 A, 198.
Riggs, E. S. 1904 A, 423.
Sauvage, H. E. 1902 B, 9.
Schuchert, C. 1918 B, 254.
Schuchert and Levene 1927 A, 320, fig.
Seeley, H. G. 1887 E, 211.
1888 G, 168, fig.
Seitz, A. L. L. 1907 A, 314.
Simpson, G. G. 1926 H, 211, 215.
Steiner, H. 1922 A, 346.
Stromer, E. 1915 B, 7.
Tolmachoff, I. 1924 A, 490.
Tornier, G. 1909 B, 514.
1913 B, 368.
Versluys, J. 1910 B, 183, fig. D.
1910 C, 436.
1912 A, 495.
Whitnal, H. O. 1925 A, 9.
Williston, S. W. 1878 A, 45.
1901 A, 111 (Antrodemus).
1905 B, 345 (Antrodemus).
1909 A, 397.
1925 A, 141, 175, 191, 197, figs. 113, 141, 156.

Woodward, H. 1904 B, 146.
Zittel and Broili 1911 A, 282.
1923 A, 345.
Zittel, Eastman, etc. 1902 A, 229.

Antrodemus sulcatus (Marsh).

Hay, O. P. 1902 A, 489.
Gilmore, C. W. 1920 B, 125 (Labrosaurus).
Hay, O. P. 1908 E, 352 (Labrosaurus).
Huene, F. 1922 A, 80 (Labrosaurus).
1926 B, pl. i (Labrosaurus).
Janensch, W. 1925 A, 89 (Labrosaurus).
Nopcsa, F. 1901 A, 255 (Labrosaurus).
Upper Jurassic or Lower Cretaceous (Morrison?); Colorado.

Antrodemus? trihedrodon (Cope).

Hay, O. P. 1902 A, 488 (Dryptosaurus).
Mook, C. C. 1916 A, 140 (Dryptosaurus).
Nopcsa, F. 1901 A, 253 (Lælaps).
1901 B, 201 (Megalosaurus).
Osborn and Mook 1919 A, 390 (Lælaps).
Williston, S. W. 1878 A, 45 (Dryptosaurus).
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Antrodemus valens Leidy.

Hay, O. P. 1902 A, 489 (Allosaurus fragilis); 490 (Antrodemus valens).
Abel, O. 1919 A, 596, figs. 463, 464 (Allosaurus agilis).
1922 C, 374, fig. 320.
1925 A, 242, fig. 177.
Brown, B. 1919 A, 429, fig. ("dinosaur").
Gilmore, C. W. 1914 A, 25 (Allosaurus fragilis).
1915 E, 501, figs. 2-7 (Allosaurus fragilis).
1918 B, 62 (Allosaurus fragilis).
1920 B, 2, 5-75, 79, 88, pls. i-xvi; text-figs. 1, 3-10, 12-52.
1924 B, 7.
1925 A, 355 (Antrodemus fragilis).
Gregory, W. K. 1913 E, 11, fig. 8 (Allosaurus agilis).
Hay, O. P. 1908 E, 352 (Allosaurus fragilis); 353 (Antrodemus valens).
Heilmann, G. 1913 B, 13, fig. 57 (Allosaurus agilis).
1926 A, 31, 100, 153, 162, figs. 19, 80, 109, 115, 124.
Huene, F. 1914 C, 587, pl. vii (Allosaurus agilis).
1919 A, 183, pl. vii, fig. 3 (Allosaurus fragilis).
1923 A, 456.
1926 B, 94, pl. i.
Hutchinson, H. N. 1893 A, 84 (Allosaurus fragilis).
Jaekel, O. 1911 A, 160, fig. 176 (Allosaurus agilis).
Janensch, W. 1925 A, *passim* (Allosaurus); 89 (Labrosaurus ferox).
Kingsley, J. S. 1925 A, 286, fig. 309.
Lambe, L. M. 1917 B, 50, 56, figs. 32, 37 (Allosaurus fragilis).
Lull, R. S. 1911 B, 173 (Allosaurus fragilis).
1911 C, 185 (Allosaurus fragilis).
1912 C, 680 (Allosaurus agilis).
1917 B, 509, pl. ix; text-fig. 153 (Allosaurus fragilis).
1924 A, 257, 268 (Allosaurus fragilis).
Marsh, O. C. 1884 B, pl. xi, fig. 2; pl. xii (Allosaurus fragilis).
Matthew, W. D. 1907 F, 43, fig. ("Allosaurus").
Merrill, G. P. 1907 A, 76 (Poicilopleuron).
Moodie, R. L. 1923 B, 154, pl. xxiii.
Mook, C. C. 1916 A, 141 (Allosaurus fragilis); 142 (Antrodemus).
Nopcsa, F. 1901 A, 255 (Labrosaurus fragilis; Megalosaurus valens).
1901 B, 199 (Allosaurus fragilis); 201 (Megalosaurus valens, Labrosaurus fragilis).
Osborn, H. F. 1904 F, 50 (Allosaurus fragilis).
1911 C, pl. ii ("Allosaurus").
1912 J, 1-30, figs. 9-11, 26, 27 (Allosaurus agilis).
Schuchert, C. 1918 B, 254 (Allosaurus fragilis).
Steiner, H. 1922 A, 346 (Allosaurus fragilis).
Stromer, E. 1915 B, 6, 12 (Allosaurus agilis).
Williston, S. W. 1901 A, 111 (Allosaurus fragilis).
1905 B, 349 ("Antrodemus").
Young and Cooper 1927 A, 5, 7 (Androdemus fragilis).
Zittel and Broili 1911 A, 282, fig. 427 (Allosaurus agilis).
1923 A, 345, fig. 454 (Antrodemus).
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Antrodemus sp. indet.

Fraas, E. 1904 B, 282, figs. 1, 2 (Allosaurus). Jurassic (Cape Stewart); N. E. Greenland.
Gilmore, C. W. 1914 A, 4 (Allosaurus). Wyoming.
1920 B, 20, text-fig. 20.
Hartz, N. 1902 A, 167 ("dinosaur").
Madsen, V. 1904 A, 169 ("dinosaur").
Mook, C. C. 1916 A, 96 (Allosaurus). Jurassic or Lower Cretaceous (Morrison); Wyoming.
Simpson, G. G. 1926 E, 3. Upper Jurassic; Wyoming.

Creosaurus Marsh. Type *C. atrox* Marsh.

Hay, O. P. 1902 A, 489.
Abel, O. 1909 F, 478.
Arthaber, G. 1910 A, 553.
Brauns, D. 1890 A, 186.
Clark, Bibbins, and Berry 1911 A, 66.
Gilmore, C. W. 1920 B, 82, 117 (Syn. of Antrodemus).
Hay, O. P. 1908 E, 353.
1909 F, 93.
Hoffmann, C. K. 1890 B, 1313, 1314.
Huene, F. 1905 B, 345.
1906 A, 2.
1908 B, 334.
1909 B, 15.
Lambe, L. M. 1904 G, 24.
Lull, R. S. 1910 A, 15.
1911 B, 174.
Mook, C. C. 1916 A, 154.

Mook, C. C. 1918 A, 467.
Nopcsa, F. 1901 A, 251.
Osborn, H. F. 1903 C, 697.
1904 Q, 688.
Sauvage, H. F. 1902 B, 9.
Seeley, H. G. 1888 G, 169.
Stromer, E. 1915 B, 18.
Versluys, J. 1910 B, 181, 183.
1912 A, 494, fig. 4.
Williston, S. W. 1878 A, 45.
1901 A, 111.
1905 B, 345.

This genus may be synonymous with *Antrodemus*.

Creosaurus atrox Marsh.

Hay, O. P. 1902 A, 489.
Abel, O. 1912 F, 496, fig. 380.
Gilmore, C. W. 1920 B, 118.
Hay, O. P. 1908 E, 354.
Marsh, O. C. 1879 B, 90, pl. x, figs. 1, 2.
1884 B, 331, pl. ix, fig. 3; pl. xiv.
Mook, C. C. 1916 A, 141.
Nopcsa, F. 1900 A, 560.
Osborn, H. F. 1903 C, 697, 700, figs. 1, 2.
Versluys, J. 1910 B, 181, 213, figs. A-C.
1912 A, 494.
Williston, S. W. 1901 A, 113, fig. ("Creosaurus").

Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Creosaurus? sp. indet.

Gregory, H. E. 1917 A, 63 (This genus?). Jurassic? (St. Elmo); Arizona.
Williston, S. W. 1902 E, 247 (Creosaurus? or Allosaurus?). Lower Cretaceous (Comanche); Kansas.

CERATOSAURIDÆ Marsh.

Hay, O. P. 1902 A, 493.
Arldt, T. 1907 D, 644.
1909 A, 262 ("ceratosauriden").
1912 A, 668.
Gilmore, C. W. 1920 B, 76.
Huene, F. 1909 B, 15.
1926 B, 96, 98.
Jaekel, O. 1914 A, 197 ("ceratosauriden").
Koken, E. 1900 A, 463 (Ceratosauria, Ceratosauridæ).
Matthew and Brown 1922 A, 368 (Deinodontidæ).

CERATOSAURUS Marsh. Type *C. nasicornis* Marsh.

Hay, O. P. 1902 A, 493.
Abel, O. 1909 F, 459.
Ameghino, F. 1898 C, 74.
1906 A, 39.
Andrews, C. W. 1921 C, 571.
Beddard, F. E. 1898 A, 155.
Boule, M. 1902 B, 908 ("ceratosaure").
Brown, B. 1917 A, 299.
Case, E. C. 1898 C, 635.
Depéret, C. 1896 A, 185.
Dollo, L. 1889 H, 680.
Fuchs, H. 1909 B, 150.
Gilmore, C. W. 1916 B, 187.
1920 B, 14, 76, 144.
1920 C, 277.
1926 F, 91, fig. 1 ("Ceratosaurus").
Gratacap, L. P. 1902 A, 5.
Hay, O. P. 1908 C, 678.
1910 C, 19.
1911 B, 412.
Heilmann, G. 1926 A, 203, figs. 19, 115, 126, 127.
Hinze, R. 1910 A, 379.
Hooley, R. W. 1925 A, 25.
Huene, F. 1901 A, 159, 160.
1908 B, 335.
1909 B, 15.
1914 G, pl. vii.
1921 D, 390.
1923 A, 457.
1926 B, 70, 87, 96, pl. ii.
1926 D, 486.
Hutchinson, H. N. 1910 A, 133, pl. xiv.
Jaekel, O. 1908 B, 468.
1909 C, 706.
Janensch, W. 1920 A, 230 (This genus?).
1925 A, 55.
Kingsley, J. S. 1925 A, 168, fig. 181.
Knipe, H. R. 1912 A, 92, fig.
Lebedinsky, N. G. 1913 A, 767.
Loomis, F. B. 1901 A, 195.
Lucas, F. A. 1901 F, 485, pl. v.
1901 J, 106, figs. 23, 25.
1906 C, 316.
Lull, R. S. 1910 A, 14.
1917 B, 509.
1924 A, 229.
Lydekker, R. 1910 D, 459.
Matthew, W. D. 1908 B, 185.
Matthew and Brown 1922 A, 370.
Mook, C. C. 1918 A, 467.
Newton, E. T. 1894 A, 600.
1899 B, 92.
Nopcsa, F. 1900 A, 560.
1901 A, 253.
1903 D, 266.
1906 A, 66.
1918 A, 196.
1923 H, 93, 175.
1926 A, 636.
1928 A, 183.
Osborn, H. F. 1912 J, 5.
1917 A, 770.
Parks, W. A. 1928 A, 8.
Pycraft, W. P. 1909 A, 204, fig.
Reynolds, S. H. 1897 A, 208, 283.
Sauvage, H. E. 1902 B, 9.
Schuchert, C. 1910 A, 582.
1915 A, 875, fig. 481.
Seeley, H. G. 1888 G, 169, 170.
Simpson, G. G. 1926 H, 208, 211.
1926 J, 458.
Spurrell, H. G. F. 1906 A, 120.
Steinmann, G. 1907 A, 448, fig. 790
1908 A, 229, fig. 137.
1909 A, 80.
Stromer, E. 1915 B, 26.

Tornier, G. 1909 B, 514.
Versluys, J. 1910 C, 436.
1912 B, 580.
Williston, S. W. 1905 B, 345.
1925 A, 149, fig. 122.
Winans, W. 1916 A, 187 ("extinct reptiles").
Woodward, A. S. 1901 B, 181.
1910 A, 114.
Woodward, H. 1904 B, 145.
Zittel and Broili 1911 A, 281.
1923 A, 345, 347.
Zittel, Eastman, etc. 1902 A, 228.

Ceratosaurus nasicornis Marsh.

Hay, O. P. 1902 A, 494.
Abel, O. 1912 F, 577.
1919 A, 598, fig. 465.
1922 C, 434, fig. 362.
Beard, J. C. 1901 A, 184, fig. 1.
Bigot, A. 1897 A, 464, figs. 3, 12.
Boule, M. 1891 A, 19, fig. 5.
Eimer, G. H. T. 1901 A, 131.
Gadow, H. 1901 B, 422, fig. 99.
Gilmore, C. W. 1909 A, 227.
1914 A, 25.
1915 E, 501, fig.
1920 B, 14, 20, 25, 56, 66, 76-116, pls. xvii-xxxi; text-fig. 53.
1920 C, 277, pl. v.
1921 F, 66 ("Ceratosaurus").
Gilmore, C. W. 1924 B, 2, 15.
1925 A, 355.
Hay, O. P. 1908 E, 351, 359, text-figs. 1-4.
Heilmann, G. 1926 A, 147, fig. 107.
Huene, F. 1926 B, 69, 96, 108.
1926 D, 474.
Hutchinson, H. N. 1910 A, 137, figs. 45, 46.
Janensch, W. 1925 A, *passim*.
Lambe, L. M. 1903 B, 134.
1904 G, 5.
Lucas, F. A. 1902 B, 166.
Lydekker, R. 1909 C, 464.
Merrill, G. P. 1907 A, 65.
Mook, C. C. 1916 A, 143.
Nopcsa, F. 1901 B, 201 (Megalosaurus).
1915 A, 388.
Peck, F. B. 1904 A, 29.
Reynolds, S. H. 1897 A, 206, fig. 35.
Shufeldt, R. W. 1916 A, 187.
1916 B, 41, fig. 5.
Stromer, E. 1915 B, 7.
Tornier, G. 1913 B, 369, figs. 47, 48.
Versluys, J. 1910 B, 189, figs. E-G.
Woodward, A. S. 1910 A, 112.
1922 C, 25, fig. 20.
Zittel and Broili 1911 A, 280, fig. 424.
1923 A, 346, figs. 455, 456.
Zittel, Eastman, etc. 1902 A, 229, figs. 328, 329.

Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

DEINODONTIDÆ Brown.

Brown, B. 1914 E, 377 (Sept. 1.).
Hay, O. P. 1902 A, 487 (Megalosauridæ).
Agassiz, L. 1844 D, 137 ("mégalosaures").
Cope, E. D. 1868 C, 417 (Dinodontidæ).
Gilmore, C. W. 1920 B, 116, 144 (Megalosauridæ).
1924 B, 1 (Deinodontidæ, Dromæosaurinæ).
Huene, F. 1901 A, 160 ("dryptosauriden").
1923 A, 457.
1926 B, 101, 109 (Dinodontidæ).
Huxley, T. H. 1870 H, 490 (Megalosauridæ).
Koken, E. 1900 A, 463.
Lull, R. S. 1924 A, 230.
Marsh, O. C. 1878 B, 242 (Allosauridæ).
1890 C, 424 (Dryptosauridæ).
Matthew, W. D. 1914 B, 387 (Sept. 1.).
1915 C, 32.
1921 D, 211.
Matthew and Brown 1922 A, 368, 376 (Deinodontidæ, Dromæosaurinæ).
Nopcsa, F. 1923 H, 126 (Tyrannosauridæ).
1928 A, 183 (Aublysodontinæ).
Osborn, H. F. 1906 A, 283 (Tyrannosauridæ).
Zittel and Broili 1923 A, 345.

DEINODONTINÆ Matthew and Brown.

Matthew and Brown 1922 A, 376.
Marsh, O. C. 1890 C, 424 (Dryptosauridæ).
Nopcsa, F. 1928 A, 183 (Aublysodontinæ).

DEINODON Leidy. Type *D. horridus* Leidy.

Hay, O. P. 1902 A, 488.
Baird, S. F. 1876 A, cci (Aublysodon).
Bowen, C. F. 1915 A, 152.
Brown, B. 1914 E, 377.
Cope, E. D. 1880 U, 148 (Aublysodon).
1892 K, 242 (Amblypodon, misprint).
Gilmore, C. W. 1920 B, 123.
Hatcher, J. B. 1905 B, 85.
Hay, O. P. 1903 D, 119.
1908 E, 356.
Henning, C. L. 1914 A, 771.
Hoffmann, C. K. 1890 B, 1315.
Huene, F. 1909 B, 15.
1926 B, 93, 101 (Dinodon).
Lambe, L. M. 1904 G, 5.
1917 B, 9.
Lull, R. S. 1924 A, 231.
Matthew, W. D. 1913 E, 792.
Matthew and Brown 1922 A, 370, 374.
Nopcsa, F. 1901 A, 253 (Aublysodon; Dinodon = Megalosaurus).
1902 B, 106 (Aublysodon).
1928 A, 183 (Aublysodon).
Osborn, H. F. 1902 H, 674.
1902 I, 9, 17.
1905 A, 259, 261.
1924 I, 6 (Deinodon).
Peale, A. C. 1913 A, 979.
Stanton and Hatcher 1905 A, 38 (Deinodon); 50 (Aublysodon).
Williston, S. W. 1902 K, 953 (Aublysodon).
Zittel and Broili 1911 A, 281 (Aublysodon, Deinodon).
1923 A, 345 (Deinodon).

Deinodon? falculus (Cope).

Hay, O. P. 1902 A, 488 (Dryptosaurus).
Bowen, C. F. 1915 A, 132, 149, 150.
Hatcher, J. B. 1905 B, 86.
Matthew and Brown 1922 A, 376 (Dromæosaurus? sp.).
Nopcsa, F. 1901 A, 253 (Lælaps).
1901 B, 199 (Lælaps).
Osborn, H. F. 1902 I, 13.
Upper Cretaceous (Judith River); Montana.

Deinodon hazenianus (Cope).

Hay, O. P. 1902 A, 488 (Dryptosaurus).
Bowen, C. F. 1915 A, 132, 149, 150.
Hatcher, J. B. 1905 B, 86.
Hay, O. P. 1910 B, 299.
Matthew and Brown 1922 A, 376 (Deinodon horridus?).
Osborn, H. F. 1902 I, 13.
Peale, A. C. 1912 A, 754.
Sternberg, C. H. 1914 A, 134.
Upper Cretaceous (Judith River); Montana: (Lance); Wyoming.

Deinodon horridus Leidy.

Hay, O. P. 1902 A, 489.
Bowen, C. F. 1915 A, 132, 148, 149, 151 (Deinodon horridus); 130, 151 (Aublysodon mirandus).
Brown, B. 1914 E, 378 (Aublysodon mirandus).
Gilmore, C. W. 1916 D, 288, pl. lxxiii, fig. 4 (This genus and species?).
Hatcher, J. B. 1905 B, 83 (Deinodon horridus, Aublysodon mirandus).
Hay, O. P. 1902 A, 488 (Dryptosaurus kenabekides).
1903 D, 119; 120 (Ornithomimus mirandus).
1908 E, 356.
1910 B, 299.
Huene, F. 1926 B, 101, pl. i (Dinodon).
Lambe, L. M. 1902 A, 49.
1903 B, 137.
1904 C, 23, 37, 48.
1904 E, 36.
Matthew and Brown 1922 A, 376.
Nopcsa, F. 1901 A, 253 (Aublysodon); 255 (Megalosaurus).
Nopcsa, F. 1901 B, 199 (A. cristatus); 201 (Megalosaurus).
Osborn, H. F. 1902 I, 13.
1905 A, 259.
Peale, A. C. 1912 A, 754 (Aublysodon mirandus).
Sternberg, C. H. 1914 A, 134.
Upper Cretaceous (Judith River); Montana: (Belly River); Alberta, New Mexico?.

Deinodon incrassatus (Cope).

Hay, O. P. 1902 A, 488 (Dryptosaurus).
Ballou, W. H. 1897 A, 20 (Dryptosaurus).
Bowen, C. F. 1915 A, 132, 148-150.
Cope, E. D. 1892 K, 240 (Lælaps).
Hatcher, J. B. 1905 B, 85.
Hay, O. P. 1908 E, 356 (Dryptosaurus).
Matthew and Brown 1922 A, 376 (Deinodon horridus?).
Nopcsa, F. 1901 A, 253 (Lælaps).
1901 B, 199 (Syn. of Lælaps).
1902 B, 104 (Lælaps).
Osborn, H. F. 1902 H, 675 (Dryptosaurus).
1905 A, 260 (Lælaps, Dryptosaurus).
Sternberg, C. H. 1914 A, 134.
Stromer, E. 1915 B, 4, 12 (Dryptosaurus).
Upper Cretaceous (Judith River); Montana: (Belly River); Alberta.

Deinodon lateralis Cope.

Hay, O. P. 1902 A, 489.
Bowen, C. F. 1915 A, 132.
Hatcher, J. B. 1905 B, 85.
Matthew and Brown 1922 A, 376 (D. horridus?).
Nopcsa, F. 1901 A, 253 (Aublysodon).
1901 B, 199 (Aublysodon).
Osborn, H. F. 1902 I, 13.
Sternberg, C. H. 1914 A, 134.
Upper Cretaceous (Judith River); Montana.

Deinodon? sp. indet.

Brown, B. 1907 A, 842 (Aublysodon). Upper Cretaceous (Hell Creek); Montana.
Gilmore, C. W. 1916 D, 287, pl. lxxiii, figs. 1, 4. Upper Cretaceous (Ojo Alamo); New Mexico.
Matthew, W. D. 1920 D, 536, fig. ("Deinodon"). Upper Cretaceous (Belly River); Alberta.

DRYPTOSAURUS Marsh. Type *Lælaps aquilunguis* Cope.

Hay, O. P. 1902 A, 487.
Abel, O. 1914 B, 87 (Lælaps).
Andreae, A. 1903 A, 150 (Lælaps).
Baird, S. F. 1876 A, cci, 358 (Lælaps).
Brauns, D. 1890 A, 186.
Cope, E. D. 1872 QQ, 2 (Lælaps).
1880 U, 147 (Lælaps).
Depéret, C. 1912 A, 705.
Hay, O. P. 1908 E, 356.
1910 B, 299.
Hoffmann, C. K. 1890 B, 1315 (Lælaps).
Huene, F. 1905 B, 345.
1908 B, 336.
1909 B, 15.
1923 A, 456.
1926 B, 102, 105, 108.
Huxley, T. H. 1870 G, 476 (Lælaps).
Lambe, L. M. 1903 B, 136.
Lambe, L. M. 1904 G, 5.
Lull, R. S. 1910 A, 15.
1924 A, 231.
Matthew and Brown 1922 A, 374, 383.
Moodie, R. L. 1926 A, 86, text-fig. 7.
Newberry, J. S. 1878 C, 647 (Lælaps).
Nopcsa, F. 1901 A, 253 (Dryptosaurus, Lælaps).
1901 B, 199 (Syn. of Lælaps).
1906 A, 73.
1918 B, 239 (Lælaps).
1928 A, 183.
Osborn, H. F. 1902 H, 674, 675.
1902 I, 9, 17.
1905 A, 259, 260, 261.
1924 I, 6.
Perrier, E. 1920 A, 320 (Lælaps).
Seitz, A. L. L. 1907 A, 343.
Stanton and Hatcher 1905 A, 51 (Lælaps).

Stromer, E. 1915 B, 26.
Wieland, G. R. 1925 B, 558 (Lælaps).
Williston, S. W. 1904 F, 830.
Zittel and Broili 1911 A, 282.
1923 A, 345 (Dryptosaurus, Lælaps).
Zittel, Eastman, etc. 1902 A, 230 (Lælaps).

Dryptosaurus aquilunguis (Cope).

Hay, O. P. 1902 A, 488.
Ballou, W. H. 1897 A, 14, 20, fig. ("Lælaps").
Cannon, G. L. 1906 B, 195 (Lælaps).
Cope, E. D. 1867 H, 71 (Lælaps).
Gilmore, C. W. 1921 E, 584, pl. cxiv, fig. 2.
Huene, F. 1908 B, 335, fig. 314.
1923 A, 456.
1926 B, 93, pls. i, ii.
Huxley, T. H. 1870 G, 477 (Lælaps).
Matthew and Brown 1922 A, 376.
Nat. Sci. 1898 A, 230.
Nopcsa, F. 1901 A, 253 (Lælaps).
1901 B, 199 (Lælaps).
1902 B, 105 (Lælaps).
Osborn, H. F. 1904 F, 19, 44 (Lælaps).
1905 A, 260 (Lælaps).
Stromer, E. 1915 B, 12, 21.
Upper Cretaceous (Hornerstown); New Jersey.

Dryptosaurus? medius (Marsh).

Marsh, O. C. 1888 A, 93 (Allosaurus).
Hay, O. P. 1902 A, 489 (Antrodemus).
Clark, Bibbins and Berry 1911 A, 89 (Allosaurus).
Gilmore, C. W. 1920 B, 119, pl. xxxiv, figs. 1-4 (Dryptosaurus?).
1921 E, 583, 591, pl. cx, fig. 2.
Hay, O. P. 1908 E, 353 (Allosaurus).
Lull, R. S. 1911 B, 173 (Allosaurus).
1911 C, 183, pl. xiv, figs. 1-3 (Allosaurus).
Matthew and Brown 1922 A, 376 (This genus?).
Merrill, G. P. 1907 A, 63 (Allosaurus).
Mook, C. C. 1916 A, 143 (Allosaurus).
Schuchert, C. 1910 A, 586 (Allosaurus).
Simpson, G. G. 1926 H, 207 (This genus?).
Lower Cretaceous (Arundel); Maryland.

Dryptosaurus? potens (Lull).

Lull, R. S. 1911 C, 186, pl. xiv, fig. 4 (Creosaurus).
Clark, Bibbins and Berry 1911 A, 89 (Creosaurus).
Gilmore, C. W. 1920 B, 116, pl. xxxii; text-fig. 66 (Dryptosaurus?).
1921 E, 584, 591, pl. cxi, fig. 2.
Huene, F. 1926 B, pl. i.
Lull, R. S. 1911 B, 174 (Creosaurus).
Mook, C. C. 1916 A, 143 (Creosaurus).
Simpson, G. G. 1926 H, 207 (This genus?).
Lower Cretaceous (Arundel); Washington, D. C.

Dryptosaurus sp. indet.

Hay, O. P. 1903 D, 119.
Williston, S. W. 1907 B, 53. Cretaceous (Rattlesnake); Texas.

Gorgosaurus Lambe. Type *G. libratus* Lambe.

Lambe, L. M. 1914 D, 13.
Abel, O. 1926 F, (39).
Gilmore, C. W. 1920 B, *passim.*
1924 G, 32.
Heilmann, G. 1926 A, 205, figs. 123, 124.
Huene, F. 1923 A, 456.
1926 B, 46, 89, 93, 101.
Janensch, W. 1925 A, *passim.*
Joleaud, L. 1920 A, 494.
Lambe, L. M. 1915 B, 118.
1917 B, 1-84.
Lull, R. S. 1924 A, chart.
Matthew, W. D. 1920 D, 544.
Matthew and Brown 1922 A, 368, 374, 383 (Syn.? of Deinodon).
Nopcsa, F. 1923 C, 472, fig. 7.
1923 H, 93.
1928 A, 183.
Osborn, H. F. 1917 A, 771.
Parks, W. A. 1928 A.
Rogers, A. F. 1924 A, 538, 546.
Simpson, G. G. 1926 I, 454.
Sternberg, C. H. 1917 A, 75.
Sternberg, C. M. 1921 A, 65.
Williston, S. W. 1925 A, 141, 175, 196, figs. 113, 141.
Zittel and Broili 1923 A, 346 (Syn. of Deinodon).

Gorgosaurus libratus Lambe.

Lambe, L. M. 1914 D, 13.
Abel, O. 1924 A, 710, figs. 2, 3.
Gilmore, C. W. 1915 E, 513.
1920 B, 26, 53.
1924 B, 7.
Heilmann, G. 1926 A, 168, fig. 120.
Huene, F. 1926 B, 89, pls. i, ii (G. libratus); 101 (G. fibratus).
Janensch, W. 1925 A, 89.
Joleaud, L. 1920 A, 494, fig. 9.
Lambe, L. M. 1914 F, 293, 297.
1915 B, 117.
1916 A, 195, 196.
1917 B, 1-84, with 45 illust.
Lydekker, R. 1915 C, 630.
Matthew, W. D. 1916 A, 484.
Matthew and Brown 1923 A, 1, figs. 1-3, 5.
Sternberg, C. H. 1917 A, 53, 58, figs. 11-14, 39.
1918 A, 207.
Upper Cretaceous (Belly River); Alberta.

Gorgosaurus sternbergi Matthew and Brown.

Matthew and Brown 1923 A, 7, fig. 4.
Upper Cretaceous (Belly River); Alberta.

ALBERTOSAURUS Osborn. Type *A. sarcophagus* Osborn.

Osborn, H. F. 1905 A, 259.
Brown, B. 1913 D, 144.
1914 E, 377.
Gilmore, C. W. 1916 D, 288.
Hay, O. P. 1908 E, 356.
Huene, F. 1908 B, 336.
1909 B, 15.
1923 A, 456.
1926 B, 93, 101.
Matthew, W. D. 1915 C, 55.
Matthew and Brown 1922 A, 368, 374 (Syn.? of Deinodon).
1923 A, 9.
Nopcsa, F. 1928 A, 183.
Osborn, H. F. 1912 J, 5, 29.
Sternberg, C. M. 1926 A, 103.
Zittel and Broili 1911 A, 281.
1923 A, 346 (Syn.? of Deinodon).

Albertosaurus arctunguis Parks.

Parks, W. A. 1928 A, 1-42, pl. i; 20 text-figs. Upper Cretaceous (Edmonton); Alberta.

Albertosaurus sarcophagus Osborn.

Osborn, H. F. 1905 A, 265.
Brown, B. 1914 E, 374.
1919 A, 413 ("Albertosaurus").
Cope, E. D. 1892 K, 240 (Lælaps incrassatus).
1892 Z, 17 (Lælaps incrassatus).
Hay, O. P. 1908 E, 356.
Huene, F. 1906 B, 105, fig. 1 (Dryptosaurus incrassatus).
1908 B, 336.
1914 I, 70, figs. 2-5 (Dryptosaurus).
1926 B, 101, pls. i, ii.
Lambe, L. M. 1899 B, 184A, 187A (Lælaps incrassatus).
1903 B, 133, pls. i-iii (Dryptosaurus incrassatus).
1904 C, 26, 38, 48 (Dryptosaurus incrassatus).
1904 F, 205 A (Dryptosaurus incrassatus).
1904 G, 5, pls. i-viii; text-figs. A, B (D. incrassatus).
1905 D, 362 A (Dryptosaurus incrassatus).
1914 H, 398, 401 (Dryptosaurus).
Matthew, W. D. 1912 D, 219 ("Albertosaurus").
Matthew and Brown 1922 A, 377 (Deinodon?).
Osborn, H. F. 1902 H, 675 (Dryptosaurus incrassatus).
1902 I, 13 (Deinodon incrassatus).
1905 A, 260 (Dryptosaurus incrassatus?).
Parks, W. A. 1928 A (A. sarcophagus, Dryptosaurus incrassatus).
Sternberg, C. M. 1926 A, 104 (A. sarcophagus).
Whiteaves, J. F. 1901 A, 184, 189 (Lælaps incrassatus).
Cretaceous (Edmonton); Alberta.

TYRANNOSAURINÆ.

Matthew and Brown 1922 A, 378.
Osborn, H. F. 1906 A, 283 (Tyrannosauridæ).

TYRANNOSAURUS Osborn. Type *T. rex* Osborn.

Osborn, H. F. 1905 A, 259, 262.
Abel, O. 1910 C, (231).
1911 A, 157.
1912 F, 497.
1916 A, 470, fig. 1.
1919 A, 593.
Adams, L. A. 1919 A, 132, pl. xiii.
Brown, B. 1908 B, 199.
1908 C, 54.
1914 A, 547.
1914 E, 377.
1915 A, 271, pls. and figs.
Case, E. C. 1910 C, 192, 195.
1922 B, 79.
Christman, E. S. 1921 A, 623.
Eastman, C. R. 1912 C, 658.
Fraas, E. 1911 B, 32.
Gilmore, C. W. 1915 C, 59.
1920 A, 67.
1920 B, *passim*.
1924 G, 32.
1925 A, 360.
Gregory, W. K. 1913 B, 244.
1913 E, 7.
1920 B, 123, fig. 42.
Gregory and Adams 1915 A, 763.
Heilmann, G. 1926 A, 207.
Hennig, E. 1924 A, 144.
Huene, F. 1908 B, 336, 408.
1909 B, 15 (=Dynamosaurus).
1914 C, 583.
1923 A, 456.
Huene, F. 1925 B, 158.
1926 B, 46, 93, 101.
Janensch, W. 1925 A, *passim*.
1925 B, 274.
Joleaud, L. 1920 A, 493.
Knowlton, F. H. 1909 A, 232.
Lambe, L. M. 1917 B, 21.
Lull, R. S. 1910 A, 2, 15.
1912 A, 208 (Dynamosaurus).
1912 B, 776.
1917 A, 472, 474.
1917 B, 335, 728.
1924 A, 231, 271, fig. 23.
Lydekker, R. 1907 C, 456.
Matthew, W. D. 1910 D, 550.
1910 F, 3.
1915 C, 33, 46, figs. 15, 16.
1915 L, 26, 33, 46, figs. 5, 14-16.
1920 D, 544.
1922 C, 338.
Matthew and Brown 1922 A, 368, 374, 382.
1923 E, 9.
Moodie, R. L. 1913 A, 251.
Nopcsa, F. 1917 B, 338.
1918 A, 196.
1922 A, 114.
1923 H, 12, 93, 94, 110, 175, pl. iii, fig. 3.
1926 A, 638, text-fig. 3.
1928 A, 183.
Osborn, H. F. 1905 A, 259, 263 (Dynamosaurus; type *D. imperiosus* Osborn.
1906 A, 281, 284 (Dynamosaurus).

Osborn, H. F. 1909 A, 198.
1912 J, 4 (Dynamosaurus a syn.).
1913 A, 91.
1916 C, 150.
1917 A, 733.
1917 B, 215, 224, fig.
1917 C, 9, fig. 10.
1922 D, 723, 724, fig. 3.
1924 L, 145.
Parks, W. A. 1928 A.
Pompeckj, J. F. 1920 A, 112, 119.
Romer, A. S. 1923 A, 142, fig.
1923 C, 606, 611, figs. 2, 4-8.
1927 C, 231, fig. 1.
Schuchert and Levene 1927 A, 317, 324, figs.
Stanton, T. W. 1909 A, 247, 278.
Sternberg, C. H. 1911 B, 222.
Stromer, E. 1915 B, 4, 26.
Tornier, G. 1913 B, 368.
Troxell, E. L. 1921 A, 476.
Versluys, J. 1910 B, 253.
Whitnal, H. O. 1925 A, 10, pl. i.
Wieland, G. R. 1925 B, 559.
Williston, S. W. 1925 A, 87, fig. 70.
Zittel and Broili 1911 A, 281.
1923 A, 346.

Tyrannosaurus? amplus (Marsh).

Hay, O. P. 1902 A, 488 (Deinodon).
Bowen, C. F. 1915 A, 132, 149, 150 (Deinodon).
Matthew and Brown 1922 A, 376 (Tyrannosaurus? sp.).
Nopcsa, F. 1901 A, 253 (Aublysodon).
1901 B, 199 (Aublysodon).
Osborn, H. F. 1902 I, 13 (Aublysodon).
Upper Cretaceous (Lance); Wyoming.

Tyrannosaurus rex Osborn.

Osborn, H. F. 1905 A, 262, fig. 1.
Abel, O. 1908 D, (211).
1909 F, 460.
1911 B, 160.
1912 F, 405, fig. 379.
1916 A, 473, fig. 4.
1919 A, 599, figs. 466-472.
1922 C, 344, fig. 300.
1925 A, 67, 248, figs. 43, 44, 183, 184.
Anonymous 1906 B, 228.
1906 E, 411.
1910 B, 3 ("Tyrannosaurus").
Bowen, C. F. 1915 A, 134.
Brown, B. 1907 A, 841, 842.
1914 E, 358.
1915 C, 322, 6 figs. ("Tyrannosaurus").
1919 A, 429, fig. ("dinosaur").
Gilmore, C. W. 1916 D, 288 (Dynamosaurus imperiosus).
1920 B, 9, 12, 37, 121, text-fig. 2.
1924 B, 7.
Gregory, W. K. 1906 A, 15.
1913 E, 12, fig. 9.
Hay, O. P. 1910 B, 299.
1910 C, 4.
1911 B, 400.
Heilmann, G. 1913 B, 31, fig. 75.
1926 A, 47, figs. 32, 109, 122.
Huene, F. 1908 B, 281.
1915 B, 21, text-fig. 14.
1926 B, 89, pls. i, ii.
Hutchinson, H. N. 1910 A, 139, fig. 48.
Krull, F. 1906 A, 350.
Lull, R. S. 1907 B, 185.
1917 B, 510, pl. x; text-fig. 154.
Lydekker, R. 1913 A, 14.
Marsh, O. C. 1896 C, 206 (Ornithomimus grandis; not of 1890).
Matthew, W. D. 1910 F, 3, figs.
Matthew and Brown 1922 A, 378.
Moodie, R. L. 1915 D, 288.
1915 I, 156, 178, figs. 18, 19.
Osborn, H. F. 1905 A, 263, fig. 2 (Dynamosaurus imperiosus).
1906 A, 281, 284, pl. xxxix; text-figs. 1, 3-12 (Dynamosaurus imperiosus).
1912 J, pls. i-iv; text-figs. 1-8, 17-25.
1913 A, 91, pls. iv-vi.
1917 A, 762, pls. xxv, xxvii; text-figs. 17-21.
Peterson, W. 1924 A, 391, figs. 1-3?; fig. 4.
Pompeckj, J. F. 1920 A, 119.
Romer, A. S. 1927 B, 686 ("Tyrannosaurus").
Schuchert, C. 1910 A, 596.
Schuchert and Levene 1927 A, 319.
Sternberg, C. H. 1909 A, 115.
1909 C, 277.
1917 A, 153.
Stromer, E. 1915 B, 22, 27.
Woodward, A. S. 1910 C, 13, fig. 2.
Zittel and Broili 1923 A, 337, fig. 446.
Upper Cretaceous (Hell Creek); Montana: (Lance); Wyoming.

DROMÆOSAURINÆ Matthew and Brown.

Matthew and Brown 1922 A, 378.

DROMÆOSAURUS Matthew and Brown.

Type *D. albertensis* Matthew and Brown.

Matthew and Brown 1922 A, 385.
Gilmore, C. W. 1924 B, 1.
Nopcsa, F. 1928 A, 183.
Simpson, G. G. 1926 H, 208.

Dromæosaurus albertensis Matthew and Brown.

Matthew and Brown 1922 A, 385, fig. 1.
Gilmore, C. W. 1924 B, 1, 7.
Upper Cretaceous (Belly River); Alberta.

Dromæosaurus? cristatus (Cope).

Hay, O. P. 1902 A, 488 (Dryptosaurus).
Bowen, C. F. 1915 A, 132, 149, 150 (Deinodon).
Gilmore, C. W. 1924 B, 3 (Deinodon).
Hatcher, J. B. 1905 B, 86 (Deinodon).
Matthew and Brown 1922 A, 376, 378 (Dromæosaurus?).
Nopcsa, F. 1901 A, 253 (Aublysodon).
Osborn, H. F. 1902 I, 13 (Deinodon).
Peale, A. C. 1912 A, 754 (Deinodon).
Upper Cretaceous (Lance); Wyoming: (Judith River); Montana.

Dromæosaurus? explanatus (Cope).

Hay, O. P. 1902 A, 488 (Dryptosaurus).
Bowen, C. F. 1915 A, 132, 148 (Deinodon).
Hatcher, J. B. 1903 D, 372 (Aublysodon).
1905 B, 86 (Deinodon).
Hay, O. P. 1910 B, 299 (Deinodon).
Lambe, L. M. 1902 A, 49 (Deinodon).
1904 C, 37, 48 (Deinodon).
Matthew and Brown 1922 A, 376 (Dromæosaurus sp.?).
Nopcsa, F. 1901 A, 253 (Lælaps).
1901 B, 199 (Lælaps).
1902 B, 104 (Lælaps).
Osborn, H. F. 1902 I, 13 (Deinodon).
1924 I, 7, fig. 7 (Deinodon).
Peale, A. C. 1912 A, 754 (Deinodon).
Upper Cretaceous (Judith River); Montana: (Belly River); Alberta.

Dromæosaurus? gracilis (Marsh).

Hay, O. P. 1902 A, 493 (Cœlurus).
Clark, Bibbins and Berry 1911 A, 89 (Cœlurus).
Gadow, H. 1901 B, 423 (Cœlurus).
Gilmore, C. W. 1920 B, 126, pl. xxxvi, figs. 3, 4 (Cœlurus).
1921 E, 585, 591, pl. cx, fig. 5 (Cœlurus).
Huene, F. 1926 B, pl. i (Cœlurus).
Lull, R. S. 1911 B, 174 (Cœlurus).
1911 C, 187, pl. xv, fig. 1 (Cœlurus).
Matthew and Brown 1922 A, 376, 378 (Dromæosaurus?).
Merrill, G. P. 1907 A, 66 (Cœlurus).
Mook, C. C. 1916 A, 143 (Cœlurus).
Simpson, G. G. 1926 H, 207 (Cœlurus?).
Lower Cretaceous (Arundel); Maryland.
A species of doubtful generic position.

Dromæosaurus lævifrons (Cope).

Hay, O. P. 1902 A, 488 (Dryptosaurus).
Bowen, C. F. 1915 A, 132, 149, 150 (Deinodon).
Gilmore, C. W. 1924 B, 3 (Deinodon).
Hatcher, J. B. 1905 B, 86 (Deinodon).
Matthew and Brown 1922 A, 376.
Osborn, H. F. 1902 I, 13 (Deinodon).
Upper Cretaceous (Judith River); Montana.

ZAPSALIS Cope. Type *Z. abradens* Cope.

Hay, O. P. 1902 A, 490.
A genus of uncertain position.

Zapsalis abradens Cope.

Hay, O. P. 1902 A, 490.
Bowen, C. F. 1915 A, 130, 149.
Hatcher, J. B. 1905 B, 84 (Zaphsalis abradus).
Hay, O. P. 1910 B, 299.
Matthew and Brown 1922 A, 376 ("Dromæosaurus?").
Osborn, H. F. 1902 I, 12.
Peale, A. C. 1912 A, 754 (Zaphalis abradus).
Upper Cretaceous (Judith River); Montana: (Lance); Wyoming.

ORNITHOMIMIDÆ Marsh.

Hay, O. P. 1902 A, 494.
Arldt, T. 1907 D, 669.
Fürbringer, M. 1902 B, 729.
Gilmore, C. W. 1920 B, 129, 131.
1924 B, 10.
Huene, F. 1920 A, 162.
1921 D, 395.
1926 B, 97, 100, 103, 109.
Janensch, W. 1920 A, 229 ("cœlosaurier").
1925 A, 50.
Lull, R. S. 1924 A, 232.
Matthew, W. D. 1914 B, 387.
1915 C, 32.
1921 D, 211.
Matthew and Brown 1922 A, 368, 375, 378.
Nopcsa, F. 1923 H, 125 (Ornithomiminæ).
1928 A, 183 (Ornithomiminæ).
Osborn, H. F. 1917 A, 733.
1924 C, 12.
Van den Broeck, E. 1900 A, 87.
Williston, S. W. 1925 B, 292.
Zittel, K. A. 1890 A, 767.
Zittel and Broili 1923 A, 342, 366.

CŒLOSAURUS Leidy. Type *C. antiquus* Leidy.

Hay, O. P. 1902 A, 489.
Huene, F. 1909 B, 16.
Janensch, W. 1925 A, 50.
Lull, R. S. 1924 A, 232.
Matthew and Brown 1922 A, 373, 378.
Nopcsa, F. 1901 A, 253.
1928 A, 183.
Simpson, G. G. 1926 H, 208.
Lull, R. S. 1911 C, 204, pl. xix, figs. 6, 7; pl. xx, figs. 1-4 (Dryosaurus grandis).
Marsh, O. C. 1888 A, 93 (Allosaurus medius, part).
Matthew and Brown 1922 A, 377 (Cœlosaurus?)
Simpson, G. G. 1926 H, 207 (Ornithomimus).
Lower Cretaceous (Arundel); Maryland.

Cœlosaurus affinis (Gilmore).

Gilmore, C. W. 1920 B, 121, 131, 137, textfigs. 71-78 (Ornithomimus).
Clark, Bibbins and Berry 1911 A, 89 (Dryosaurus grandis).
Gilmore, C. W. 1921 E, 586, 591, pl. cxii, figs. 1, 3; pl. cxiii, figs. 1, 3; pl. cxiv, fig. 1.
Huene, F. 1926 B, 98, pls. i, ii (Ornithomimus).
Janensch, W. 1925 A, 32.
Lull, R. S. 1911 B, 176 (Dryosaurus grandis).

Cœlosaurus antiquus Leidy.

Hay, O. P. 1902 A, 489 (Cœlosaurus); 488 (Dryptosaurus macropus).
Huene, F. 1908 B, 336 (Dryptosaurus macropus).
1926 B, pl. i.
Matthew and Brown 1922 A, 373, 376 (Lælaps macropus a syn.?).
Upper Cretaceous (Greensand); New Jersey.

ORNITHOMIMUS Marsh. Type *O. velox* Marsh.

Hay, O. P. 1902 A, 494.
Abel, O. 1911 A, 176.
1912 F, 265, 292, 408.
1916 A, 405.
1919 A, 583.
1921 A, 264, 266.
1924 A, 711 (Struthiomimus).
1926 F, (37) (Ornithomimus, Struthiomimus).
Anonymous 1917 A, 213 (Struthiomimus).
Beddard, F. E. 1898 A, 155.
Boas, J. E. V. 1914 B, 570, fig. 22.
Brown, B. 1914 E, 377.
1919 A, 411.
Cannon, G. L. 1894 A, 260.
Gadow, H. 1896 C, 205.
1901 B, 429.
Gaudry, A. 1898 A, 127.
Gilmore, C. W. 1920 B, 129, 131.
1924 A, 66.
1924 B, 1, 4, 6 (Ornithomimus, Struthiomimus).
Hatcher, J. B. 1902 H, 831.
1905 B, 87.
Hay, O. P. 1908 E, 357.
Heilmann, G. 1913 A, 8.
1913 B, 18, 64.
1914 A, 11.
1926 A, 206, 207, fig. 109 (Struthiomimus).
Huene, F. 1901 A, 160.
1908 B, 339, 408.
1909 B, 15.
1914 A, 146.
1914 D, 155.
1914 G, 34, pl. vii.
1920 A, 162.
1921 D, 390, 394.
1923 A, 455.
1925 B, 157.
1926 B, 82, 85, 87 (Ornithomimus); 87 (Struthiomimus).
1926 D, 487.
Janensch, W. 1920 A, 229.
1925 A, 2, 41 (Ornithomimus); *passim* (Struthiomimus).
Joleaud, L. 1920 A, 493 (Struthiomimus).
Lambe, L. M. 1903 C, 468 A.
Lucas, F. A. 1902 B, 168, fig.
Lull, R. S. 1904 A, 472.
1910 A, 15.
1912 D, 415.
1915 A, 155.
1917 A, 472 (Struthiomimus).
1917 B, 299, 513 (Ornithomimus); 513, 532 (Struthiomimus).
1924 A, 231, 232, 256 (Struthiomimus, Ornithomimus).
Lydekker, R. 1912 C, 96.
Matthew, W. D. 1915 C, 58.
1920 D, 544 (Struthiomimus).
Matthew and Brown 1922 A, 368, 373 (Ornithomimus, Struthiomimus).
Nopcsa, F. 1901 A, 255.
1905 C, 292.
1907 A, 232, fig. 79.
1918 B, 239.
Nopcsa, F. 1922 C, 152, fig. 1 (Struthiomimus).
1923 C, 469, fig. 5 (Struthiomimus).
1923 E, 1046 (Ornithomimus, Struthiomimus).
1923 H, 93, 95, 96, 173, 188 (Struthiomimus); 95, 96 (Ornithomimus).
1924 B, 84 (Struthiomimus).
1928 A, 183 (Ornithomimus, Struthiomimus).
Osborn, H. F. 1902 H, 673, 674, 675.
1902 I, 9, 17, 18.
1916 C, 150.
1917 A, 733, 734 (Struthiomimus).
1917 B, 213-215 (Ornithomimus); 213-215, 221, figs. (Struthiomimus).
1917 C, 6 (Ornithomimus); 6, figs. 2-4 (Struthiomimus).
1917 D, 660 (Strouthiomimus).
1922 D, 724 (Ornithomimus).
1924 C, 9 (Ornithomimus, Struthiomimus).
1924 L, 145 (Ornithomimus, Struthiomimus).
Perrier, E. 1920 A, 318.
Rogers, A. F. 1924 A, 546 (Struthiomimus).
Schuchert, C. 1910 A, 596.
Simpson, G. G. 1926 H, 208.
1926 J, 459.
Stanton, T. W. 1909 A, 247.
Steinmann, G. 1922 A, 241.
Sternberg, C. M. 1926 A, 103.
Versluys, J. 1910 B, 246.
Williston, S. W. 1925 A, 189, 191, fig. 156 (Ornithomimus); 191, 198, fig. 156 (Struthiomimus).
Zittel and Broili 1911 A, 283.
1923 A, 342 (Struthiomimus).

Ornithomimus altus Lambe.

Lambe, L. M. 1902 A, 50, pls. xiii, xiv, xv, figs. 1-8.
Abel, O. 1919 A, 583, fig. 455.
1922 C, 339, fig. 296 (Struthiomimus).
Bowen, C. F. 1915 A, 134, 148.
Brown, B. 1907 A, 842.
1914 E, 358, 374, 378 (This species?).
Case, E. C. 1922 B, 80 (Struthiomimus).
Gilmore, C. W. 1919 E, 395 (Struthiomimus).
1921 E, 587.
1924 B, 1 (Ornithomimus).
Hatcher, J. B. 1905 B, 87.
Heilmann, G. 1913 B, 21, fig. 64.
1926 A, 31, 47, 155, figs. 19, 32, 110, 118, 120, 126, 132 (Struthiomimus).
Huene, F. 1908 B, 305, fig. 300.
1921 D, 392 (Struthiomimus).
1926 B, 99, pl. i.
Janensch, W. 1925 A, *passim* (Struthiomimus).
Joleaud, L. 1920 A, 493, fig. 8 (Struthiomimus).
Lambe, L. M. 1903 B, 137.
1904 A, 254.
1904 C, 23, 37, 48.
1904 E, 33, pl. i; pl. ii, figs. 4-7.
1904 G, 20.
1905 D, 363 A.
1907 B, 179.
1907 C, 222.

Lambe, L. M. 1914 D, 15.
1914 F, 297.
1915 B, 117.
1917 B, 28, 75.
Matthew, W. D. 1916 A, 484.
1921 G, 658, fig. (Struthiomimus).
Matthew and Brown 1922 A, 377, 379 (Struthiomimus).
Moodie, R. L. 1917 B, 392, fig. 20 (Struthiomimus).
1918 B, 386, 393, fig. 4 (Struthiomimus).
1923 B, 327, 331, pl. lxvii (Struthiomimus).
Osborn, H. F. 1902 H, 675.
1902 I, 13, 18.
1917 A, 737, pls. xxiv, xxvi, figs. 3-8, 11, 14-17 (Struthiomimus).
1924 C, 12 (Struthiomimus).
Peale, A. C. 1912 A, 754.
Steinmann, G. 1922 A, 242, fig. 1.
Van Straelen, V. 1928 A, 305 (Struthiomimus).
Zittel and Broili 1911 A, 283.
1923 A, 342, fig. 451 (Struthiomimus).
Upper Cretaceous (Belly River); Alberta: (Hell Creek); Montana.

Ornithomimus grandis Marsh.

Hay, O. P. 1902 A, 494.
Bowen, C. F. 1915 A, 134.
Gadow, H. 1901 B, 429.
Gilmore, C. W. 1920 B, 122, 131 (Deinodon?).
Hatcher, J. B. 1902 H, 831.
1904 A, 356.
1905 B, 12, 41, 87.
Hay, O. P. 1910 B, 299.
Huene, F. 1921 D, 392 (Struthiomimus).
Lambe, L. M. 1904 E, 33.
Matthew and Brown 1922 A, 377, 383 (Deinodon horridus?).
Osborn, H. F. 1902 I, 13.
1917 A, 740 (Deinodon?).
Stanton and Hatcher 1905 A, 12, 41.
Upper Cretaceous (Eagle); Montana: (Lance); Wyoming.
A species of doubtful generic position.

Ornithomimus minutus Marsh.

Hay, O. P. 1902 A, 494.
Bowen, C. F. 1915 A, 134.
Gilmore, C. W. 1920 B, 131, 142, fig. 79.
Lambe, L. M. 1904 E, 33.
Matthew and Brown 1922 A, 377 ("indeterminate").
Osborn, H. F. 1902 I, 13.
Upper Cretaceous (Lance); Wyoming.

Ornithomimus sedens Marsh.

Hay, O. P. 1902 A, 494.
Bigot, A. 1897 A, 464, fig. 4.
Bowen, C. F. 1915 A, 134.
Gilmore, C. W. 1920 B, 131, pl. xxxv, fig. 1; text-figs. 67-69.
Janensch, W. 1925 A, *passim*.
Lambe, L. M. 1904 E, 33, pl. ii, fig. 9.
Matthew and Brown 1922 A, 377, 378.
Merrill, G. P. 1907 A, 74.
Osborn, H. F. 1902 I, 13.
Upper Cretaceous (Lance); Wyoming.

Ornithomimus tenuis Marsh.

Hay, O. P. 1902 A, 494.
Bowen, C. F. 1915 A, 132.
Gilmore, C. W. 1920 B, 131, 135, text-fig. 70.
Hatcher, J. B. 1902 H, 831.
1905 B, 87.
Huene, F. 1921 D, 392 (Struthiomimus).
Lambe, L. M. 1904 E, 33.
Matthew and Brown 1922 A, 377, 378 (Struthiomimus).
Osborn, H. F. 1902 I, 13.
1917 A, 740 (Struthiomimus).
Upper Cretaceous (Judith River); Montana.

Ornithomimus velox Marsh.

Hay, O. P. 1902 A, 494.
Bigot, A. 1897 A, 467, figs. 11, 12.
Bowen, C. F. 1915 A, 134.
Cannon, G. L. 1906 B, 197.
Cross, W. 1896 A, 227.
Gilmore, C. W. 1920 B, 131.
Hatcher, J. B. 1902 H, 831.
Hay, O. P. 1908 E, 357.
Heilmann, G. 1926 A, 159, figs. 113, 126.
Huene, F. 1921 D, 392.
Lambe, L. M. 1904 C, 23.
1904 E, 33.
Matthew and Brown 1922 A, 377, 378.
Osborn, H. F. 1902 I, 13.
1917 A, 738, fig. 3 a.
Upper Cretaceous (Denver); Colorado: (Hell Creek); Montana.

Ornithomimus sp. indet.

Gilmore, C. W. 1924 D, 27. Upper Cretaceous (Lance); Saskatchewan.
Hay, O. P. 1903 D, 119.
Sternberg, C. M. 1924 A, 68. Upper Cretaceous (Lance); Saskatchewan.
1926 A, 104. Upper Cretaceous (Edmonton); Alberta.

MANOSPONDYLUS Cope. Type *M. gigas* Cope.

Hay, O. P. 1902 A, 500.
Hatcher, J. B. 1907 B, 113, 298.
Hay, O. P. 1903 D, 117.
Huene, F. 1909 B, 15.
Lull, R. S. 1907 B, 166, 298.
Troxell, E. L. 1921 A, 476.

Manospondylus gigas Cope.

Hay, O. P. 1902 A, 500.
Bowen, C. F. 1915 A, 140.
Hatcher, J. B. 1905 B, 96 (Monospondylus).
1907 A, 113, 298, fig. 105.
Lull, R. S. 1907 B, 298.
Matthew and Brown 1922 A, 383.
Osborn, H. F. 1902 I, 15.
1917 A, 762, fig. 17*a*.
Upper Cretaceous (Lance?); South Dakota?, Wyoming?.

LABROSAURIDÆ Marsh.

Marsh, O. C. 1882 A, 84, 85.
Hay, O. P. 1902 A, 487 (Megalosauridæ).
Hoffmann, C. K. 1890 B, 1314.
Nopcsa, F. 1901 A, 249.
1928 A, 184.
Zittel and Broili 1911 A, 280.
1923 A, 245, 366.

LABROSAURUS Marsh. Type *Allosaurus lucaris* Marsh.

Marsh, O. C. 1879 B, 91.
Hay, O. P. 1902 A, 489 (Antrodemus, in part).
1908 E, 351.
Hoernes, R. 1886 A, 621.
Huene, F. 1909 B, 15.
1926 B, 88, 99, 109.
Janensch, W. 1925 A, 86, 89.
Lull, R. S. 1910 A, 15.
Nopcsa, F. 1901 A, 255.
1901 B, 201.
1902 B, 106.
Simpson, G. G. 1926 H, 211.
Stromer, E. 1915 B, 14 (Syn. of Antrodemus).
Zittel and Broili 1911 A, 280.
1923 A, 345.

Labrosaurus ferox Marsh.

Marsh, O. C. 1884 B, 333, pl. ix.
Hay, O. P. 1902 A, 490 (Antrodemus valens, part).
Gilmore, C. W. 1914 A, 25.
1920 B, 124, pl. xxxiii, figs. 1-3.
Hay, O. P. 1908 E, 352.
Huene, F. 1926 B, 89, pl. i.
Merrill, G. P. 1907 A, 73.
Nopcsa, F. 1901 A, 255.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.
A species of uncertain generic position.

Labrosaurus lucaris (Marsh).

Hay, O. P. 1902 A, 489 (Antrodemus).
1908 E, 35.
1920, in Gilmore, C. W. 1920 B, 125.
Janensch, W. 1925 A, 89.
Mook, C. C. 1916 A, 141 (Antrodemus).
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Superfamily CŒLUROIDÆ, new name.

Abel, O. 1920 A, 388 (Cœlurosauria).
Heilmann, G. 1926 A, 204 ("cœlurosaurs").
Huene, F. 1914 A, 146 (Cœlurosauria).
1914 D, 154 (Cœlurosauria).
1914 F, 670 ("cœlosaurier").
1914 G, 32, 37 (Cœlurosauria).
1914 K, 11 (Cœlurosauria).
1920 A, 162 ("cœlurosaurier").
1921 C, 315 (Cœlurosauria).
1921 D ("cœlurosaurier").
1923 A, 457 (Cœlurosauria).
1925 G, 316 ("cœlurosaurier").
1926 B, 81, 98, 109 (Cœlurosauria).
Huene, F. 1926 D, 474 (Cœlurosauria).
Janensch, W. 1925 A, *passim* ("cœloraurier").
Lull, R. S. 1917 B, 504, 508 (Compsognatha).
1924 A, 231, 256 (Cœlurosauria).
Matthew, W. D. 1915 C, 32 (Cœlurosauria).
Nopcsa, F. 1922 A, 115 ("cœlurosaurier").
1923 H, 100, 103, 125, 146, 147, 173, 183, 184, tab. (Cœlurosauria).
1928 A, 183 (Cœlurosauroidea).
Simpson, G. G. 1926 I, 454 (Cœlurosauria).
1926 J, 458 (Cœlurosauria).
Williston, S. W. 1925 B, 292 (Cœlurosauridæ).
Zittel and Broili 1923 A, 340, 366 (Cœlurosauria).

CŒLURIDÆ Marsh.

Hay, O. P. 1902 A, 492.
Abel, O. 1919 A, 581.
Arldt, T. 1907 D, 646.
1909 A, 261 ("cœluriden").
1912 A, 662, 668.
Depéret, C. 1912 A, 705 ("cæluridés").
Gilmore, C. W. 1924 B, 10.
Günther, A. 1886 A, 443 (Cœluria).
Hoernes, R. 1886 A, 621.
Hoffmann, C. K. 1890 B, 1314 (Cœluria).
Huene, F. 1908 B, 264.
1914 A, 146.
1914 D, 155 ("cœluriden").
1914 G, 37, pl. vii.
1920 A, 162.
1921 D, 393, 395.
1926 B, 98.
Koken, E. 1900 A, 463 (Cœloruria, Cœluridæ).
Lull, R. S. 1910 A, 14.
1924 A, 231.
Matthew, W. D. 1915 C, 32.
Matthew and Brown 1922 A, 368, 375.
Nopcsa, F. 1901 A, 249, 275.
1923 H, 96, 125, 146, 172, 175 (Cœluridæ, Cœlurinæ).
1928 A, 183 (Compsognathidæ).
Palacký, J. 1902 B, 140 ("cœluriden").
Seeley, H. G. 1888 G, 169 (Cœluria).
Simpson, G. G. 1926 J, 458 (Cœlurosauria).
Tornier, G. 1913 B, 368, 375.
Wamich, P. 1913 A, 24 ("ornitholestiden").
Zittel and Broili 1911 A, 280.
1923 A, 341, 366.
Zittel, Eastman, etc. 1902 A, 231.

Cœlurus Marsh. Type *C. fragilis* Marsh.

Unless otherwise indicated the authors, as cited, use for this genus the name *Ornitholestes*.

Hay, O. P. 1902 A, 493 (Cœlurus).
Abel, O. 1911 A, 169, 175.
1912 F, 71, 341.
1916 A, 471, 494.
1919 A, 583.
1920 A, 389.
1922 C, 434.
Andrews, C. W. 1921 C, 573.
Anonymous 1917 A, 213.
Case, E. C. 1898 C, 635 (Cœlurus).
Clark, Bibbins, and Berry 1911 A, 66 (Cœlurus).
Darton, N. H. 1908 A, 446.
Depéret, C. 1912 A, 705 (Cœlurus).
Gilmore, C. W. 1920 B, 61, 64, 82, 145, 158; 126 (Ornitholestes a syn. ? of Cœlurus).
1924 B, 4.
Gregory and Camp 1918 A, 515, pl. xlvi.
Heilmann, G. 1913 A, 57, fig. 46.
1913 B, 36, 49.
1914 A, 64.
1916 A, 85, 105, fig. 198.
1926 A, 204, 206, fig. 19 (Ornitholestes, Cœlurus).
Hoernes, R. 1886 A, 621 (Cœlurus).
Huene, F. 1901 A, 160 (Cœlurus).
1906 B, 150.
1908 B, 273, 337 (Ornitholestes); 338 (Cœlurus).
1909 B, 13 (Cœlurus); 15 (Ornitholestes).
1914 D, 155 (Cœlurus).
1914 G, 34.
1915 A, 501.
1920 A, 162 (Cœlurus, Ornitholestes).
1921 C, 318.
1921 D, 390, 393, 395 (Ornitholestes, Cœlurus).
1923 A, 455.
1925 B, 158 (Ornitholestes, Struthiomimus).
1926 B, 86, pl. ii (Cœlurus); 85, 99, pl. ii (Ornitholestes).
1926 D, 486.
Janensch, W. 1920 A, 229.
1925 A, 20, 32, 46 (Cœlurus); *passim* (Ornitholestes).
Joleaud, L. 1920 A, 493.
Kingsley, J. S. 1925 A, 169, fig. 182.
Lambe, L. M. 1904 E, 34.
Lebedinsky, N. G. 1913 A, 767 (Cœlurus).
Lull, R. S. 1904 D, 144.
1910 A, 2, 15 (Ornitholestes); 14 (Cœlurus).
1911 B, 174 (Cœlurus).
1912 D, 415.
1915 A, 155.
1917 B, 508 (Cœlurus); 512, fig. 155 (Ornitholestes).
1924 A, 231 (Cœlurus); 231, fig. 24 (Ornitholestes).
Lydekker, R. 1912 C, 129 (Cœlurus).
Matthew, W. D. 1915 C, 27, 55, figs. 17, 18.
Matthew and Brown 1922 A, 368, 371, 375.
Mook, C. C. 1916 A, 153, 154 (Cœlurus).
1918 A, 467.
Nopcsa, F. 1901 A, 256 (Cœlurus).
1902 B, 106 (Cœlurus).
1906 A, 66 (Cœlurus, Ornitholestes).
1907 A, 235.
1918 B, 239.
1923 C, 469, fig. 5 (Ornitholestes); 470, fig. 6 (Cœlurus).
1923 E, 1046.
1923 H, 95, 96 (Ornitholestes); 96 (Cœlurus).
1928 A, 183 (Cœlurus, Ornitholestes).
Osborn, H. F. 1903 A, 459 (Ornitholestes, type *O. hermanni*).
1903 G, 701.
1904 Q, 692, figs.
1915 E, 147.
1916 C, 150.
1917 A, 733.
1917 B, 213.
1917 C, 5, fig. 1.
1924 C, 12.
Perrier, E. 1920 A, 316 (Cœlurus).
Romer, A. S. 1923 C, 609, 616.
Sauvage, H. E. 1902 B, 9 (Cœlurus).
Seeley, H. G. 1887 E, 197 (Cœlurus).
1904 A, 339 (Cœlurus); 341 (Ornitholestes).
Simpson, G. G. 1926 H, 206, 208, 215 (Cœlurus); 211, 215 (Ornitholestes).
Versluys, J. 1910 B, 192.
Whitnal, H. O. 1925 A, 22.
Wieland, G. R. 1925 B, 558 (Ornitholestes, Struthiomimus).
Williston, S. W. 1885 A, 629 (Cœlurus).
1886 A, 282 (Cœlurus).
1905 B, 345 (Cœlurus).
1925 A, 176.
Zittel and Broili 1911 A, 280 (Cœlurus); 283 (Ornitholestes).
1923 A, 341 (Cœlurus, Ornitholestes).
Zittel, Eastman, etc. 1902 A, 231 (Cœlurus).

Cœlurus agilis Marsh.

Hay, O. P. 1902 A, 493.
Gilmore, C. W. 1914 A, 25.
1920 B, 128, pl. xxxiv, figs. 5, 6.
Heilmann, G. 1926 A, 23, fig. 12.
Huene, F. 1926 B, pl. i.
Mook, C. C. 1916 A, 142.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming, Colorado.

Cœlurus fragilis Marsh.

Hay, O. P. 1902 A, 493.
Gilmore, C. W. 1909 B, 39, fig. 3.
1914 A, 4.
1920 B, 127, pl. xxxiv, figs. 4, 17, 18.
1921 E, 585.
Hoernes, R. 1886 A, 621.
Huene, F. 1908 B, 305, fig. 299.
1926 B, 99, pl. i.
Janensch, W. 1925 A, 20, 32.
Lull, R. S. 1911 C, 187.
Mook, C. C. 1916 A, 142.
Simpson, G. G. 1926 E, 3.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Cœlurus hermanni (Osborn).

Unless otherwise indicated the writers, as quoted, use the generic name *Ornitholestes*.

Osborn, H. F. 1903 A, 459, figs. 1-3.
Abel, O. 1920 A, 390, fig. 606.
1921 A, 187, 264, fig. 46.
1922 C, 436, fig. 364.
1925 A, 66, fig. 42.
Brown, B. 1919 A, 428, fig. ("dinosaur").
Gilmore, C. W. 1915 E, 507 (O. hermani).
1920 B, 61.
1924 B, 5, 7, fig. 2.
Heilmann, G. 1913 B, 38, figs. 80, 81.
Huene, F. 1926 B, 82, 85, pl. i.
Janensch, W. 1925 A, 20, 32, 36.
Joleaud, L. 1920 A, 494.
Lambe, L. M. 1904 A, 254.
1904 C, 23.
1904 E, 34, pl. ii, fig. 8.
1904 G, 22.
1914 B, 130.
Mook, C. C. 1916 A, 143.
Osborn, H. F. 1903 G, 701.
1904 B, 254.
1904 F, 36.
1917 A, 735, pl. xxvi; text-figs. 1-3.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

CHIROSTENOTES Gilmore. Type *C. pergracilis* Gilmore.

Gilmore, C. W. 1924 B, 3.
Osborn, H. F. 1924 C, 12.

Chirostenotes pergracilis Gilmore.

Gilmore, C. W. 1924 B, 3, pl. i; text-figs. 1, 3, 4.
Upper Cretaceous (Belly River); Alberta.

CŒLOPHYSIS Cope. Type *C. bauri* Cope; here chosen.

Hay, O. P. 1902 A, 493.
Broili, F. 1915 B, 51.
Case, E. C. 1922 B, 80.
1927 B, 209.
Huene, F. 1906 B, 149.
1908 B, 273, 305.
1909 B, 13.
1909 C, 322.
1914 D, 154.
1914 G, 32.
1915 A, 500.
1920 A, 162.
1921 C, 318.
1921 D, 393.
1922 H, 148, 150.
1926 B, 104.
1926 E, 2.
Lull, R. S. 1910 A, 14.
Nopcsa, F. 1901 A, 255 (Syn. Tanystropheus).
1922 B, 170 (Tanystrophæus).
1923 H, 96.
1928 A, 183.
Zittel and Broili 1911 A, 280.
1923 A, 341.

Cœlophysis bauri Cope.

Hay, O. P. 1902 A, 493.
Abel, O. 1912 F, 274.
Broili, F. 1915 B, 51.
Case, E. C. 1922 B, 80.
1927 B, 209.
Huene, F. 1906 B, 118, pl. xi, figs. 3, 4; pl. xii, fig. 1; text-fig. 20.
1908 B, 278, 307, 318, pl. cx, fig. 1.
1915 A, 500, figs. 42-51.
1921 D, 392.
1926 E, 5.
Nopcsa, F. 1901 A, 256, 257 (Tanystropheus).
Triassic; New Mexico.

Cœlophysis longicollis Cope.

Hay, O. P. 1902 A, 493.
Abel, O. 1912 F, 274.
Broili, F. 1915 B, 51.
Case, E. C. 1922 B, 80, 81.
1927 B, 209, pl. i; text-figs. 1-9 (This species?).
Huene, F. 1906 B, 118, pl. x, figs. 2-10; pl. xi, figs. 1, 2; text-figs. 11-19.
1908 B, 278, 307, 318.
1915 A, 500, figs. 28-40.
1921 D, 392.
1926 E, 5.
Nopcsa, F. 1901 A, 255, 257 (Tanystropheus).
Triassic; New Mexico.

Cœlophysis willistoni Cope.

Hay, O. P. 1902 A, 493.
Abel, O. 1912 F, 274.
Broili, F. 1915 B, 51.
Case, E. C. 1922 B, 80.
1927 B, 209.
Huene, F. 1906 B, 118.
1908 B, 307, 318.
1915 A, 500, figs. 52-64.
1921 D, 392.
1926 E, 5.
Nopcsa, F. 1901 A, 255-257 (Tanystropheus).
Triassic; New Mexico.

Cœlophysis sp. indet.

Case, E. C. 1922 B, 81, fig. 31.
1926 A, 54. Triassic (Dockum); Texas.
1927 A, 227. Triassic (Dockum); Texas.
Huene, F. 1926 E, 5. Triassic (Upper?); Texas.

TICHOSTEUS Cope. Type *T. lucasanus* Cope.

Hay, O. P. 1902 A, 493.
Huene, F. 1909 B, 13.
Nopcsa, F. 1901 A, 261.
Osborn and Mook 1921 A, 272, 274.

Tichosteus æquifacies Cope.

Hay, O. P. 1902 A, 493.
Mook, C. C. 1916 A, 142.
Osborn and Mook 1919 A, 390.

Osborn and Mook 1921 A, 273, text-fig. 16.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Tichosteus lucasanus Cope.

Hay, O. P. 1902 A, 493.
Cope, E. D. 1877 F, 195.
Mook, C. C. 1916 A, 142.
Osborn and Mook 1919 A, 390.
1921 A, 272, text-fig. 15.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

MACELOGNATHIDÆ Marsh.

Hay, O. P. 1902 A, 505.

MACELOGNATHUS Marsh. Type *M. vagans* Marsh.

Hay, O. P. 1902 A, 505.

Macelognathus vagans Marsh.

Hay, O. P. 1902 A, 505.
Gilmore, C. W. 1909 B, 39.
Moodie, R. L. 1908 C, 321.
Mook, C. C. 1916 A, 147.
Simpson, G. G. 1926 E, 3.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

PODOKESAURIDÆ Huene.

Huene, F. 1914 A, 146.
Abel, O. 1919 A, 580.
Huene, F. 1914 D, 154 ("podokesauriden").
1914 G, pl. vii.
1914 K, 11.
1915 A, 501.
1920 A, 162.
1921 D, 394, 399.
Lull, R. S. 1915 A, 155.
1917 D, 111.
1924 A, 231.
Matthew, W. D. 1915 C, 32.
Nopcsa, F. 1923 H, 125 (Podokeosaurinæ).
1928 A, 183 (Podokesauridæ, Podokesaurinæ, Cœlophysinæ).

PODOKESAURUS Talbot. Type *P. holyokensis* Talbot.

Talbot, M. 1911 A, 469.
Abel, O. 1920 A, 388, fig. 604.
Heilmann, G. 1916 A, 90.
Huene, F. 1914 D, 154.
1914 F, 672.
1914 G, 31.
1920 A, 162.
1921 D, 393.
1923 A, 456.
1926 B, pl. ii.
Janensch, W. 1925 A, 50 (Podekosaurus).
Lull, R. S. 1912 D, 414.
1915 A, 156.
1924 A, 231.
Nopcsa, F. 1923 E, 1045 (Podokeosaurus).
1923 H, 96 (Podokeosaurus).
1928 A, 183.
Osborn, H. F. 1917 B, 211, fig.
Schuchert and Levene 1927 A, 318, fig.
Whitnal, H. O. 1925 A, 9.
Zittel and Broili 1923 A, 340.

Podokesaurus holyokensis Talbot.

Talbot, M. 1911 A, 469, pl. iv; text-figs. 1-4.
Abel, O. 1912 F, 71, 274.
1926 B, 20, 38.
Heilmann, G. 1913 B, 25, 56, figs. 68, 90, 93-95.
1916 A, 113, fig. 202.
1926 A, 206, figs. 114, 121.
Huene, F. 1914 G, 31, pl. vi.
1926 E, 6.
Lull, R. S. 1914 D, 411, 414, 415, fig. 4.
1915 A, 157, 201, pl. xi; text-figs. 26-29.
1917 B, 508, fig. 152.
1917 D, 111, 112, pl. iii, fig. 2.
Moodie, R. L. 1913 A, 251.
Shufeldt, R. W. 1916 F, 258.
Triassic (Newark); Massachusetts.

HALLOPIDÆ Marsh.

Hay, O. P. 1902 A, 494.
Abel, O. 1919 A, 581.
Brauns, D. 1890 A, 187 ("hallopoden").
Hoernes, R. 1886 A, 623 (Hallopoda).
Hoffmann, C. K. 1890 B, 1314 (Hallopoda, Hallopodidæ).
Huene, F. 1914 A, 146 (Hallopoda).
1914 D, 155 (Hallopoda).
1914 G, 37, pl. vii (Hallopoda).
1920 A, 162 (Hallopoda).
1921 D, 394, 399 (Hallopida).
Huene, F. 1926 B, 97, 98, 101 (Hallopoda).
Koken, E. 1900 A, 462 (Hallopida, Hallopidæ).
Lull, R. S. 1924 A, 231.
Matthew, W. D. 1915 C, 32 (Hallopodidæ).
Nopcsa, F. 1901 A, 249 (Hallopodidæ; subfam. Cœluridæ).
1901 B, 195, 201 (Hallopodidæ).
1923 H, 96, 125 (Halopodidæ, Halopodinæ, Hallopodinæ).
1928 A, 183 (Hallopodidæ).
Zittel and Broili 1923 A, 340, 366 (Hallopodidæ).

HALLOPUS Marsh. Type *Nanosaurus victor* Marsh.

Hay, O. P. 1902 A, 494.
Abel, O. 1911 A, 190.
1912 F, 292.
Beddard, F. E. 1898 A, 157.
Case, E. C. 1898 C, 635.
Cross and Howe 1905 A, 494.
Hay, O. P. 1910 C, 17.
Hoernes, R. 1886 A, 623.

Hoffmann, C. K. 1890 B, 1314.
Huene, F. 1901 A, 160.
1908 B, 392.
1914 G, 21, 22.
1920 A, 162.
1921 D, 393.
1926 B, 98.
Huene and Lull 1908 A, 134, 143.
1908 B, 113.
Lull, R. S. 1910 A, 17.
1924 A, 231.
Nopcsa, F. 1901 A, 256.
1905 C, 292.
1918 B, 239.
1923 E, 1045.
1923 H, 96, 146, pl. vi, fig. 12*a*.
1928 A, 183.
Peck, F. B. 1904 A, 36 (Hollopus).
Schuchert, C. 1918 B, 262.
Williston, S. W. 1925 A, 118, 190, 192, fig. 155.
Woodward, A. S. 1907 B, 143.
Woodward, H. 1904 B, 145.
Zittel and Broili 1911 A, 261.
1923 A, 340.
Zittel, Eastman, etc. 1902 A, 231.

Hallopus victor Marsh.

Hay, O. P. 1902 A, 494.
Dollo, L. 1889 H, 680.
Gadow, H. 1901 B, 423.
Gilmore, C. W. 1925 B, 404 (Nannosaurus).
Hoffmann, C. K. 1890 B, 1314.
Huene, F. 1914 G, 23, pl. v; text-figs. 50-58.
1921 D, 392.
Huene and Lull 1908 B, 113, figs. 1-6.
Lambe, L. M. 1917 B, 75.
Lull, R. S. 1926 A, 458 ("Hallopus").
Lydekker, R. 1909 C, 461 (Hallopas).
Nopcsa, F. 1902 C, 152 (Nanosaurus).
Peck, F. B. 1904 A, 30.
Williston, S. W. 1905 B, 338.
1915 D, 127 ("Hallopus").
Upper Triassic (Hallopus beds); Colorado.

Suborder Sauropoda Marsh.

Marsh, O. C. 1878 F, 412.
Hay, O. P. 1902 A, 482 (Opisthocœlia).
Abel, O. 1909 C, (119) ("sauropoden").
1911 A, 159.
1912 F, 404 ("sauropoden").
1916 A, 494 ("sauropoden").
1919 A, 606.
Ameghino, F. 1906 A, 38 ("sauropodes").
Anonymous 1878 A, 76.
1910 A, 198 ("sauropod dinosaurs").
1922 A, 184.
Arldt, T. 1907 D, 680.
1909 A, 263 ("sauropoden").
1912 A, 668, 678.
Bigot, A. 1897 A, 463 ("sauropodes").
Broom, R. 1914 H, 1076.
1924 B, 64, fig. 13.
Case, E. C. 1897 D, 88.
1898 C, 636.
Cope, E. D. 1885 BB, 68 (Opisthocœla).
Depéret, C. 1896 A, 181 ("sauropodes").
1912 A, 705 ("sauropodes").
Dollo, L. 1889 H, 677 ("sauropodes").
1905 B, 251 ("sauropodes").
1906 A, 445 ("sauropodes").
Drevermann, F. 1911 A, 274.
Fraas, E. 1908 A, 137.
1911 B, 32 ("sauropoden").
Fürbringer, M. 1888 A, 1620.
Gadow, H. 1896 C, 204.
1901 B, 418.
Gilmore, C. W. 1907 A, 164 (Opisthocœlia).
1909 A, 239 (Opisthocœlia).
1927 B, 96.
Gregory, W. K. 1919 A, 18.
Günther, A. 1886 A, 443.
Haeckel, E. 1868 A, 455 (Stenosauria).
Hatcher, J. B. 1901 D, 54.
1903 A, 47 (Opisthocœlia).
1904 A, 353.
1907 A, 10.
Hay, O. P. 1908 C, 672.
1911 B, 398.
Heilprin, A. 1887 A, 161.
Hennig, E. 1912 B, 99 ("sauropoden").
Hoernes, R. 1886 A, 612.
Hoffmann, C. K. 1890 B, 1311.
Holland, W. J. 1905 E, 683.
1912 A, 206.
1915 C, 153 ("sauropod dinosaur").
1923 A, 477.
Huene, F. 1908 B, 340.
1908 D, 294 ("sauropoden").
1909 B, 13.
1914 A, 145.
1914 D, 155 ("sauropoden").
1914 G, 27.
1922 A, 80, 86 ("sauropoden").
1926 D, 474.
1927 B, 444 ("sauropoden").
1927 C, 121.
Jaekel, O. 1910 A, 276 ("sauropoden").
1914 A, 197 (Allophagi).
Janensch, W. 1914 A, 43, figs. 16, 17.
Johnson, A. 1883 A, 408.
Koken, E. 1893 B, 395 ("sauropoden").
1900 A, 463.
Lafitte, J. P. 1905 A, 409 ("sauropodes").
Larkin, P. 1910 A, 93, figs. 1-4 ("sauropod").
Lebedinsky, N. G. 1913 A, 769 ("sauropoden").
Lucas, F. A. 1902 B, 153.
Lull, R. S. 1910 A, 2, 6, 16.
1912 A, 209.
1914 D, 355.
1915 C, 324.
1915 F, 833.
1917 A, 472.
1917 B, 505, 513.
1918 C, 130.
1919 C (Sauropoda).
1924 A, 229, 232, 258, 275.
Lydekker, R. 1912 C, 29.
Matthew, W. D. 1910 D, 549.
1915 A, 275.
1915 C, 24, 28, 32, 60 (Opisthocœlia, Sauropoda).

Matthew, W. D. 1923 C, 408.
Moodie, R. L. 1909 G, 363.
1926 A, 87, text-fig. 8 ("sauropods").
Mook, C. C. 1917 A, 355.
1918 A, 458.
Mudge, B. F. 1897 A, 224.
Nopcsa, F. 1900 A, 560 ("sauropoden").
1901 A, 257.
1901 B, 203.
1902 C, 174.
1905 C, 289 (Saurischia).
1905 D, 289.
1907 A, 231.
1911 A, 148.
1915 B, 18.
1917 A, 204.
1917 B, 338.
1918 B, 240 ("sauropoden").
1922 A, 115 ("sauropoden").
1923 D, 107, 113.
1923 E, 1046.
1923 H, 97-175, tab.
1926 A, 640.
1928 A, 184.
Osborn, H. F. 1903 D, 456, 466 (Ceteosauria).
1903 G, 761, 837.
1904 H, 114 (Opisthocœlia).
1904 I, 271, 272 (Opisthocœlia).
1904 J, 255 (Opisthocœlia).
1904 N, 308 (Opisthocœlia).
1905 C, 295 (Opisthocœlia).
1906 D, 283.
1912 J, 6.
1917 B, 320.
Osborn and Granger 1901 A, 199.
Osborn and Mook 1919 A, 396.
1921 A.
Owen, R. 1866 A, 17, 69 (Opisthocœlia).
Palacký, J. 1902 B, 141.
Peale, A. C. 1912 A, 748.
Peck, F. B. 1904 A, 30.
Perrier, E. 1920 A, 312 ("sauropodes").
Pompeckj, J. F. 1921 A, 2 ("sauropoden").
Reynolds, S. H. 1897 A, 205, 273, 276.
Riggs, E. S. 1903 C, 165, 167 (Opisthocœlia).
1904 B, 244 (Opisthocœlia).
Schaffer, F. X. 1912 A, 198 ("sauropoden").
Seeley, H. G. 1888 G, 168, 171.
Simpson, G. G. 1926 H, 205.
Steinmann, G. 1907 A, 449.
1908 A, 219 ("sauropoden").
1910 A, 99 ("sauropoden").
Stremme, H. 1909 B, 796 ("sauropoden").
Stromer, E. 1912 A, 86.
1913 A, 62.
Terra, P. 1911 A, 241 ("sauropoden").
Thevenin, A. 1907 B, 124, 128 ("sauropodes").
Tornier, G. 1913 B, 368, 374 (Diplodocia).
Van den Broeck, E. 1900 A, 82 ("sauropodes").
Van Straelen, V. 1925 A, 3, fig. 2 ("dinosaur, duckbilled type").
Versluys, J. 1910 B, 214 ("sauropoden").
1910 C, 425 ("sauropoden").
1912 B, 683, 687.
Wieland, G. R. 1907 A, 66 ("sauropods").
1910 C, 93 ("sauropod").
1925 B, 557 ("sauropods").
Williston, S. W. 1914 A, 18, 45.
1917 C, 412.
1918 A, 79.
1925 A, 95, 100, 102, 111, 123, 142, 170, 176, 197.
1925 B, 212, 292.
Woodward, A. S. 1905 A, 243.
1922 C, 16.
Woodward, H. 1904 B, 146.
Zittel and Broili 1911 A, 283.
1923 A, 336, 347, 366.
Zittel, Eastman, etc. 1902 A, 231.

CAMARASAURIDÆ Cope.

Cope, E. D. 1877 R, 3.
Unless otherwise indicated the authors, as quoted, call this family Morosauridæ.
Hay, O. P. 1902 A, 482 (Morosauridæ); 484 (Atlantosauridæ).
Arldt, T. 1907 D, 666.
1909 A, 262 ("morosauriden").
1912 A, 668, 678, 679, 689.
Dollo, L. 1889 H, 677.
Fraas, E. 1908 A, 140.
Frech, F. 1906 A, 495 ("morosaurier").
Günther, A. 1886 A, 443.
Hoernes, R. 1886 A, 613.
Hoffmann, C. K. 1890 B, 1311.
Huene, F. 1908 B, 347 (Cetiosauridæ).
1908 D, 296 ("cetiosauriden").
1909 B, 14.
1914 G, 38, pl. vii.
Huene, F. 1927 B, 460.
1927 C, 123.
Jaekel, O. 1914 A, 197 ("morosauriden").
Koken, E. 1898 A, 141.
1900 A, 463 (Morosauridæ, Pleurocœlidæ).
Lull, R. S. 1915 C, 232 (Morosauridæ); 333 (Pleurocœlidæ).
1924 A, 234.
Matthew, W. D. 1915 C, 32 (Cetiosauridæ).
Nopcsa, F. 1923 H, 99, 126.
1928 A, 184 (Morosauridæ, Camarasaurinæ).
Tornier, G. 1913 B, 370, 375.
Williston, S. W. 1925 B, 293.
Woodward, A. S. 1905 A, 243.
Zittel and Broili 1911 A, 287 (Morosauridæ); 285 (Cetiosauridæ).
1923 A, 351, 366.

CAMARASAURUS Cope. Type *C. supremus* Cope.

Cope, E. D. 1877 Q, 7 (Not Cope, E. D. 1877 A, as in Hay, O. P. 1902 A, 485).
Unless otherwise indicated the authors, as cited, used for this genus the name *Morosaurus*.
Hay, O. P. 1902 A, 483 (Morosaurus); 485 (Camarasaurus).
Abel, O. 1909 C, (120).
1910 D.
1912 F, 248.

Abel, O. 1916 A, 469, fig. 1.
1925 A, 243 (Camarasaurus, Morosaurus).
Andreae, A. 1903 A, 151 (Camarasaurus, Morosaurus).
Arthaber, G. 1924 A, 450.
Brauns, D. 1890 A, 187.
Case, E. C. 1898 C, 638 (Camarasaurus); 720 (Morosaurus).
Christman, E. S. 1921 A, 622, 623, figs.
Cope, E. D. 1880 U, 145 (Camarosaurus).
Cross, W. 1907 A, 640.
Darton, N. H. 1908 A, 446.
Dollo, L. 1889 H, 677.
Fraas, E. 1908 A, 140 (Morosaurus); 141 (Camarasaurus).
Gaudry, A. 1896 A, 61 (Camarosaurus); 146 (Morosaurus).
Gilmore, C. W. 1907 A, 158, fig. 9.
1922 A, 2, 4 (Camarasaurus).
1925 A, 350 (Camarasaurus).
1925 B, 408 (Camarasaurus).
Gratacap, L. P. 1902 A, 5 (Camarasaurus, Morosaurus).
Gregory, W. K. 1901 A, 145.
1920 C, 16 (Camarasaurus).
1921 B, 622, 623, figs. (Camarasaurus).
1927 C, 171 (Camarasaurus).
Hatcher, J. B. 1901 C, 336.
1901 D, 40.
1902 B, 356, text-fig. 14.
1903 A, 14.
Hay, O. P. 1908 C, 680 (Camarasaurus).
1924 E, 112 (Camarasaurus).
Heilprin, A. 1887 A, 161, (Morosaurus); 169 (Camarasaurus).
Hoffmann, C. K. 1890 B, 1315 (Camarasaurus).
Holland, W. J. 1912 A, 204.
1923 A, 477-479 (Camarasaurus).
1924 A, 120 (Camarasaurus).
Hooley, R. W. 1917 A, 149.
Huene, F. 1904 A, 323.
1906 B, 151, fig. 100.
1908 B, 347 (Camarasaurus, Morosaurus).
1908 D, 294.
1909 B, 14 (Camarasaurus, Morosaurus).
1914 C, 578, pl. viii, figs. 1, 2; 579, pl. viii, fig. 3 (Camarasaurus).
1922 A, 87 (Camarosaurus).
1927 A, 123 (Camarasaurus).
1927 C, 123 (Camarasaurus).
Janensch, W. 1914 B, 91.
1922 A, 478.
Knight, W. C. 1900 A, 454 ("dinosaur").
Lebedinsky, N. G. 1913 A, 767.
Lucas, F. A. 1902 B, 155, fig. (Camarasaurus); 163 (Morosaurus).
Lull, R. S. 1910 A, 7.
1911 C, 191.
1915 C, 331, 332.
1917 A, 474.
1924 A, 234 (Morosaurus, Camarasaurus).
Lydekker, R. 1887 E, 158 (Camarasaurus, Morosaurus).
Matthew, W. D. 1915 C, 27, fig. 6 (Camarasaurus).
1923 B, 108 (Camarasaurus).
1923 C, 408 (Camarasaurus).
Mook, C. C. 1914 A, 223 (Camarasaurus); 225 (Morosaurus).
1914 B, 19 (Morosaurus a syn.).
1917 B, 815 (Camarasaurus).
Mudge, B. F. 1879 A, 225 (Camarasaurus).
Nopcsa, F. 1900 A, 560 (Camarasaurus).
1901 A, 258 (Camarasaurus); 260 (Morosaurus).
1902 B, 111 (Camarasaurus).
1917 B, 341, fig. 6 (Camarasaurus).
1923 H, 97, 98, 99 (Camarasaurus); 98 (Morosaurus).
1925 A, 19 (Morosaurus).
Osborn, H. F. 1901 G, 159.
1904 C, 181, seq., figs. 1, 2.
1904 I, 35 (Morosaurus); 36 (Camarasaurus).
1904 Q, 686 (Camarasaurus); 689 (Morosaurus).
1905 G, 374.
1906 D, 282, 284.
1915 E, 145 (Camarasaurus).
1916 D, 151 (Morosaurus a syn.).
1917 B, 219, fig. (Camarasaurus).
1924 I, 1, fig. 1 (Camarasaurus).
Osborn and Granger 1901 A, 199, figs. 1-3, 5, 6.
Osborn and Mook 1917 A, 215 (Camarasaurus).
1919 A, 386, 391, pl. i, figs. 1-3 (Morosaurus a syn.).
1920 A, 15 (Camarasaurus).
1921 A, 249, pls. lx-lxxxv; text-figs. 29-126 (Camarasaurus).
Peck, F. B. 1904 A, 31.
Pompeckj, J. F. 1920 A, 112, 127.
1921 A, 2.
Reynolds, S. H. 1897 A, 207, 294.
Riggs, E. S. 1901 C, 275 (Morosaurus); 281, pl. xlii, fig. 4 (Camarasaurus).
1903 A, 304 (Morosaurus, Camarasaurus).
1903 C, 165, 181, pl. xlix, fig. 2 (Morosaurus); 180 (Camarasaurus).
1904 B, 245 (Camarasaurus, Morosaurus).
Riggs and Farrington 1902 A, 22062.
Romer, A. S. 1923 C, 606, fig. 2 (Camarasaurus).
Ryder, J. A. 1919 A, 390 (Camarasaurus).
Schuchert, C. 1910 A, 582.
Seeley, H. G. 1888 G, 168, fig.
Seitz, A. L. L. 1907 A, 309.
Simpson, G. G. 1926 E, 4.
1926 H, 205, 206, 210.
Steinmann, G. 1907 A, 443.
Stose, G. W. 1912 A, 3.
Thevenin, A. 1907 B, 124.
Tornier, G. 1909 B, 510, figs. 2, 3 (Morosaurus); 515 (Camarasaurus).
1909 C, 537.
1910 A, 543.
1913 B, 370.
Versluys, J. 1910 B, 214.
1910 C, 428, figs. C, D.
Wieland, G. R. 1920 A, 530 (Camarasaurus).
Williston, S. W. 1909 A, 397.
1909 E, 194.
1925 A, 141, 175, 191, figs. 113, 141, 156.
1925 B, 293 (Camarasaurus).
Zittel and Broili 1911 A, 287 (Camarasaurus, Morosaurus).

Zittel and Broili 1923 A, 347, figs. 460, 461 (Camarasaurus, Morosaurus).
Zittel, Eastman, etc. 1902 A, 233 (Camarasaurus); 235 (Morosaurus).

Camarasaurus agilis (Marsh).

Hay, O. P. 1902 A, 483 (Morosaurus).
Baur, G. 1894 B, 350 (Morosaurus).
Gilmore, C. W. 1907 A, 151, pls. xii, xiii; text-figs. 1-5, 7 (Morosaurus).
1914 A, 25 (Morosaurus).
1925 A, 352, 368 (Not this genus).
Huene, F. 1908 B, 281, fig. 317 (Morosaurus).
Merrill, G. P. 1907 A, 74 (Morosaurus).
Mook, C. C. 1916 A, 139 (Morosaurus).
Pompeckj, J. F. 1920 A, 112 (Morosaurus).
Riggs, E. S. 1901 C, 275 (Morosaurus).
Tornier, G. 1909 C, 542 (Morosaurus).
Versluys, J. 1910 B, 214 (Morosaurus).
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Camarasaurus impar (Marsh).

Unless otherwise indicated the authors, as quoted, refer this species to *Morosaurus grandis*.
Hay, O. P. 1902 A, 483 (M. grandis, M impar).
Abel, O. 1919 A, 608, fig. 475.
1922 C, 422, fig. 350.
1925 A, 244, fig. 179.
Anonymous 1878 A, 76.
Gadow, H. 1901 B, 419, fig. 96.
Gaudry, A. 1896 A, 146, fig. 119.
Geinitz and Deichmüller 1882 B, 14.
Gilmore, C. W. 1907 A, 151, fig. 6 (M. grandis); 163 (M. impar).
1925 A, 352 (C. impar, M. impar); 353, 378, 380, 382 (C. grandis); 352, 353, 371, 380, 381 (M. grandis).
Huene, F. 1908 B, 342, fig. 319.
Janensch, W. 1914 B, 96.
Kehrer, F. A. 1896 A, 355, figs. 25, 26.
Lull, R. S. 1911 C, 191.
Mook, C. C. 1916 A, 135 (M. grandis); 137 (M. impar).
Nopcsa, F. 1901 A, 257 (Apatosaurus grandis)
1901 B, 203, 206 (Apatosaurus grandis).
Osborn, H. F. 1906 D, 283, fig. 2.
Pompeckj, J. F. 1920 A, 112, 120.
Riggs, E. S. 1901 C, 275, pls. xl, xli; pl. xlii, figs. 1, 2 (M. grandis); 275 (M. impar).
1903 C, 170 (Apatosaurus grandis).
Schuchert, C. 1918 B, 253, 255.
Versluys, J. 1910 B, 214, figs. P, Q.
Williston, S. W. 1909 E, 198.
Zittel and Broili 1911 A, 286, figs. 432, 433.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming, Colorado.

Camarasaurus lentus (Marsh).

In the following citations this species is referred to *Morosaurus* unless otherwise indicated.
Hay, O. P. 1902 A, 483.
Bigot, A. 1897 A, 466, fig. 8.
Gilmore, C. W. 1907 A, 163.
1909 A, 198.
Gilmore, C. W. 1914 A, 4.
1925 A, 352, pls. xiii-xvii; text-figs. 1-5.
Huene, F. 1908 B, 343, fig. 320.
1927 B, 460, 465 (Camarasaurus).
1927 C, 124 (Camarasaurus).
Lull, R. S. 1911 C, 194.
1919 C, 39.
Moodie, R. L. 1907 A, 89.
Mook, C. C. 1916 A, 138.
Riggs, E. S. 1901 C, 275.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Camarasaurus leptodirus Cope.

Hay, O. P. 1902 A, 486.
Mook, C. C. 1916 A, 137.
Osborn and Mook 1921 A, 267, text-fig. 14.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Camarasaurus robustus (Marsh).

Hay, O. P. 1902 A, 483 (Morosaurus).
Gilmore, C. W. 1907 A, 163 (Morosaurus).
1925 A, 352.
Janensch, W. 1914 B, 96 (Morosaurus).
Mook, C. C. 1916 A, 137 (Morosaurus).
Riggs, E. S. 1901 C, 275, pl. xlii, fig. 3 (Morosaurus).
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Camarasaurus supremus Cope.

Hay, O. P. 1902 A, 486.
Abel, O. 1925 A, 244, figs. 178, 181, 182, 185.
Ballou, W. H. 1897 A, 22.
Cope, E. D. 1878 KK, 476.
1891 N, 43, fig. 21.
Gilmore, C. W. 1925 A, 352, 366, 370.
Gregory, W. K. 1927 C, 172, fig. 3.
Hatcher, J. B. 1901 C, 339.
Holland, W. J. 1924 A, 124, fig. 2.
Huene, F. 1922 A, 87 (Camarosaurus).
1927 B, 460 (Morosaurus).
Lull, R. S. 1926 A, 458.
Matthew, W. D. 1903 F, 5 ("Camarasaurus").
Mook, C. C. 1914 A, 223, figs. 1-3.
1914 B, 19, fig. 1.
1916 A, 135.
Osborn, H. F. 1906 D, 282.
Osborn and Mook 1921 A, 262, pls. lxxi-lxxxv; text-figs. 7-13, 31.
Riggs, E. S. 1903 A, 305.
Williston, S. W. 1915 D, 127.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Camarasaurus sp. indet.

Cross, W. 1907 B, 6 (Morosaurus). Upper Cretaceous (McElmo); Colorado.
Lee, W. T. 1902 A, 37 (Morosaurus). Upper Jurassic or Lower Cretaceous (Morrison); Colorado.
Mook, C. C. 1916 A, 57, 94, 96 (Morosaurus). Upper Jurassic or Lower Cretaceous (Morrison); Colorado, Wyoming.
Simpson, G. G. 1926 E, 3 (Morosaurus). Upper Jurassic; Wyoming.

UINTASAURUS Holland. Type *U. douglassi* Holland.

Holland, W. J. 1919 A, 38.
1924 A, 119.
Huene, F. 1927 B, 467.
1927 C, 125.

Uintasaurus douglassi Holland.

Holland, W. J. 1919 A, 38.
Gilmore, C. W. 1925 A, 384.
Holland, W. J. 1924 A, 119, pls. x-xiv; 7 text-figs.
Huene, F. 1927 B, 465.
Lower Cretaceous or Upper Jurassic (Morrison); Utah.

EPANTERIAS Cope. Type *E. amplexus* Cope.

Hay, O. P. 1902 A, 483.
Cope, E. D. 1880 U, 146.
Huene, F. 1909 B, 15.
Nopcsa, F. 1901 A, 259.
Osborn and Mook 1920 A, 15.
1921 A, 282, 284.
Williston, S. W. 1925 B, 293.

Epanterias amplexus Cope.

Hay, O. P. 1902 A, 483.
Mook, C. C. 1916 A, 137.
Osborn and Mook 1921 A, 282, text-figs. 24-27.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

HAPLOCANTHOSAURUS Hatcher. Type *H. priscus* Hatcher.

Hatcher, J. B. 1903 G, 100 (To replace *Haplocanthus*, preoccupied).
Fraas, E. 1908 A, 141.
Gilmore, C. W. 1907 A, 163.
1922 A, 2, 4.
1925 A, 367, 372.
1903 A, 1, 14, figs. 7-13.
Hatcher, J. B. 1903 A, 1, 14, figs. 7-13.
1903 F, 1 (Haplocanthus, preoccupied).
Holland, W. J. 1910 A, 265, fig. 4.
1912 A, 204 (Haplacanthosaurus).
1924 A, 124 (Haplacanthasaurus).
Huene, F. 1908 B, 347.
1908 D, 294.
1909 B, 14.
1927 B, 457.
1927 C, 122, 123.
Janensch, W. 1925 B, 272 (Haplacanthosaurus).
Joleaud, L. 1920 A, 493.
Lull, R. S. 1910 A, 2.
1919 C, 41.
1924 A, 234.
Moodie, R. L. 1907 A, 89.
Mook, C. C. 1916 A, 154.
Nopcsa, F. 1906 A, figs. 1, 3, 13, 16.
1923 H, 98.
1928 A, 184.
Osborn, H. F. 1915 A, 298.
Riggs, E. S. 1904 B, 229.
Seitz, A. L. L. 1907 A, 312.
Simpson, G. G. 1926 H, 205.
Versluys, J. 1910 C, 436.
Williston, S. W. 1905 B, 345.
1925 B, 293.
Zittel and Broili 1911 A, 285 (Haplacanthosaurus).
1923 A, 351 (Haplacanthosaurus).

Haplocanthosaurus priscus Hatcher.

Hatcher, J. B. 1903 F, 1 (Haplocanthus, preoccupied).
Abel, O. 1922 C, 411.
Gilmore, C. W. 1914 A, 25.
1925 A, 367.
Hatcher, J. B. 1903 A, 6, figs. 1, 3, 14, pls. i, iii, iv, v.
Huene, F. 1922 A, 88.
1927 B, 457.
Mook, C. C. 1916 A, 140.
Osborn, H. F. 1903 G, 702 (Haplocanthus).
Osborn and Mook 1919 A, 388.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Haplocanthosaurus utterbackii Hatcher.

Hatcher, J. B. 1903 A, 27, pl. ii; text-figs. 1, 15-20.
Abel, O. 1922 C, 411.
Gilmore, C. W. 1914 A, 25.
Holland, W. J. 1924 A, 124, fig. 2 (Haplacanthasaurus).
Huene, F. 1922 A, 88.
1927 B, 457.
Mook, C. C. 1916 A, 140.
Osborn and Mook 1919 A, 388.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

CAULODON Cope. Type *C. diversidens* Cope.

Hay, O. P. 1902 A, 484.
Cope, E. D. 1880 U, 146.
Huene, F. 1909 B, 15.
Nopcsa, F. 1901 A, 258.
Osborn, H. F. 1924 I, 4 (Syn. of Camarasaurus).
Osborn and Mook 1921 A, 269, 271.
Williston, S. W. 1925 B, 293.

Caulodon diversidens Cope.

Hay, O. P. 1902 A, 484.
Mook, C. C. 1916 A, 135.
Osborn and Mook 1921 A, 270, pl. lx.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Caulodon leptoganus Cope.

Hay, O. P. 1902 A, 484.
Mook, C. C. 1916 A, 136.
Osborn and Mook 1921 A, 271, pl. lxi.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

SYMPHYROPHUS Cope. Type *S. musculosus* Cope.

Hay, O. P. 1902 A, 484.
Abel, O. 1910 D, 5 (Symphyrosaurus).
Huene, F. 1908 B, 348 (Symphyrosaurus).
Nopcsa, F. 1901 A, 261.
Osborn and Mook 1921 A, 280, 281.
Williston, S. W. 1925 B, 293.

Symphyrophus musculosus Cope.

Hay, O. P. 1902 A, 484.
Mook, C. C. 1916 A, 136.
Nopcsa, F. 1901 A, 261.
Osborn and Mook 1919 A, 390.
1921 A, 280, text-figs. 22, 23.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

ELOSAURUS Peterson and Gilmore. Type *E. parvus* Peterson and Gilmore.

Peterson and Gilmore 1902 A, 490.
Huene, F. 1909 B, 15.
1922 A, 86.
1927 B, 459.
Nopcsa, F. 1923 H, 98.
1928 A, 184.
Williston, S. W. 1925 B, 293.
Zittel and Broili 1923 A, 352 (Synonym of Pelorosaurus).

Elosaurus parvus Peterson and Gilmore.

Peterson and Gilmore 1902 A, 490, pl. xxv; text-figs. 1-10.
Hatcher, J. B. 1903 B, 12.
Huene, F. 1922 A, 87.
1927 B, 457.
Mook, C. C. 1916 A, 139.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

ASTRODON Johnston. Type *A. johnstoni* Leidy.

Unless otherwise indicated, the authors, as cited, use for this genus the name *Pleurocœlus*.
Hay, O. P. 1902 A, 483 (Pleurocœlus); 484 (Astrodon).
Gilmore, C. W. 1919 E, 395.
1921 E, 588 (Astrodon).
1922 A, 7 (Astrodon, Pleurocœlus).
Hatcher, J. B. 1903 B, 9, 11 (Astrodon).
Huene, F. 1908 B, 347.
1908 D, 297.
1909 B, 13 (Pleurocœlus); 15 (Astrodon).
1926 B, 79.
1927 B, 459.
1927 C, 123.
Lucas, F. A. 1904 B, 436 (Astrodon, Pleurocœlus).
Lull, R. S. 1910 A, 16.
1911 B, 174 (Pleurocœlus); 175 (Astrodon).
1915 C, 331.
1917 B, 517.
1924 A, 235.
Nopcsa, F. 1901 A, 257 (Astrodon); 260 (Pleurocœlus).
1923 H, 195.
1928 A, 184.
Simpson, G. G. 1926 H, 205, 206.
Whitnal, H. O. 1925 A, 15.
Williston, S. W. 1905 B, 345.
1925 B, 293 (Pleurocœlus, Astrodon).

Astrodon altus (Marsh).

Hay, O. P. 1902 A, 483 (Pleurocœlus).
Clark, Bibbins, Berry 1911 A, 89 (Pleurocœlus).
Gilmore, C. W. 1921 E, 583.
Hatcher, J. B. 1903 B, 12 (Pleurocœlus).
Lull, R. S. 1911 B, 175 (Pleurocœlus).
1911 C, 200, pl. xviii, fig. 3; pl. xix, figs. 1-4 (Pleurocœlus).
Merrill, G. P. 1907 A, 76 (Pleurocœlus).
Mook, C. C. 1916 A, 138 (Pleurocœlus).
Schuchert, C. 1910 A, 586 (Pleurocœlus).
Lower Cretaceous (Arundel); Maryland.

Astrodon johnstoni Leidy.

Hay, O. P. 1902 A, 484.
Clark, Bibbins, Berry 1911 A, 89.
Gilmore, C. W. 1921 E, 583, 587.
Hatcher, J. B. 1903 B, 9, figs. 1-6.
Lull, R. S. 1911 C, 202, pl. xix, fig. 5.
Mook, C. C. 1916 A, 134.
Osborn, H. F. 1903 G, 701.
Lower Cretaceous (Arundel); Maryland.

Astrodon? montanus (Marsh).

Hay, O. P. 1902 A, 483 (Pleurocœlus).
Hatcher, J. B. 1903 B, 12 (Pleurocœlus).
Huene, F. 1927 B, 451 (Pleurocœlus).
Lull, R. S. 1915 C, 331 ("Morrison species").
Mook, C. C. 1916 A, 139 (Pleurocœlus).
Upper Jurassic or Lower Cretaceous (Morrison); Colorado or Wyoming.

Astrodon nanus (Marsh).

Hay, O. P. 1902 A, 483 (Pleurocœlus).
Clark, Bibbins, Berry 1911 A, 89 (Pleurocœlus).
Gilmore, C. W. 1921 E, 583.
Hatcher, J. B. 1903 B, 9 (Syn. of A. johnstoni).
Huene, F. 1927 B, 457 (Pleurocœlus).
Lull, R. S. 1911 B, 174 (Pleurocœlus).
1911 C, 188, pl. xi; pl. xiv, figs. 5-8; pl. xv, figs. 2-5; pls. xvi, xvii; pl. xviii, figs. 1, 2 (Pleurocœlus).
Merrill, G. P. 1907 A, 76 (Pleurocœlus).
Miller, B. L. 1911 A, pl. iv (Pleurocœlus).
Mook, C. C. 1916 A, 138 (Pleurocœlus).
Osborn, H. F. 1903 G, 701 (Pleurocœlus).
Pompeckj, J. F. 1920 A, 126 (Pleurocœlus).
Schuchert, C. 1910 A, 586 (Pleurocœlus).
Zittel and Broili 1923 A, 351 (Pleurocœlus).
Lower Cretaceous (Arundel); Maryland.

ATLANTOSAURIDÆ Marsh.

Hay, O. P. 1902 A, 484.
Abel, O. 1919 A, 611.
Arldt, T. 1907 D, 640.
1909 A, 262 ("atlantosauriden").
1912 A, 668.
Dollo, L. 1889 H, 677.
Fraas, E. 1908 A, 141 ("atlantosauriden").
Hoernes, R. 1886 A, 612.
Hoffmann, C. K. 1890 B, 1311.
Huene, F. 1908 B, 348.
1908 D, 297 ("atlantosauriden").
1909 B, 14.
1914 G, 38, pl. vii.
Huene, F. 1927 B, 467 ("apatosauriden").
1927 C, 125 (Apatosauridæ).
Jaekel, O. 1914 A, 197 ("atlantosauriden").
Koken, E. 1900 A, 463.
Lull, R. S. 1924 A, 234.
Thevenin, A. 1907 B, 132 ("atlantosauridés").
Tornier, G. 1913 B, 370, 375.
Williston, S. W. 1925 B, 293.
Zittel and Broili 1911 A, 285.
1923 A, 351, 366.
Zittel, Eastman, etc. 1902 A, 233 (Camarasauridæ).

ATLANTOSAURUS Marsh. Type *Titanosaurus montanus* Marsh.

Hay, O. P. 1902 A, 484.
Abel, O. 1909 F, 459.
Bigot, A. 1897 A, 462.
Brauns, D. 1890 A, 187.
Gaudry, A. 1896 A, 61.
Giebel, C. G. 1878 A, 126 (Titanosaurus).
Heilprin, A. 1887 A, 161.
Huene, F. 1908 B, 348.
1908 D, 294.
1909 B, 14.
1919 A, 182.
Hutchinson, H. N. 1910 A, 148, pl. xviii.
1917 A, 363.
Johnson, A. 1883 A, 408.
Koken, E. 1893 B, 396.
Lankester, E. R. 1905 A, 11, fig. 6.
Lee, W. T. 1903 A, 292.
Riggs, E. S. 1901 A, 549.
1901 C, 281.
1903 A, 304.
Schaffer, F. X. 1912 A, 198.
Schuchert, C. 1910 A, 582.
Stremme, H. 1909 B, 796.
Van den Broeck, E. 1900 A, 61, 82.
Williston, S. W. 1925 B, 293.

Atlantosaurus immanis Marsh.

Hay, O. P. 1902 A, 484.
Anonymous 1878 A, 76.
Cannon, G. L. 1894 A, 244.
1906 A, 116.
1906 B, 196.
Gadow, H. 1901 B, 419.
Gaudry, A. 1893 A, 21.
Lull, R. S. 1926 A, 458.
Mook, C. C. 1916 A, 136.
Peck, F. B. 1904 A, 30.
Van den Broeck, E. 1900 A, 82.
Williston, S. W. 1915 D, 126 (Titanosaurus).
Woodward, H. 1904 B, 146.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado, Wyoming?.

Atlantosaurus montanus Marsh.

Hay, O. P. 1902 A, 484.
Cannon, G. L. 1894 A, 244.
Gilmore, C. W. 1907 A, 154.
1925 A, 355.
Holland, W. J. 1923 A, 479.
Huene, F. 1906 C, 336 (Apatosaurus).
Mook, C. C. 1916 A, 135.
Osborn, H. F. 1919 A, 69 ("Atlantosaurus").
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

APATOSAURUS Marsh. Type *A. ajax* Marsh.

Hay, O. P. 1902 A, 485.
Abel, O. 1909 F, 461.
Brown, B. 1908 B, 196.
Fraas, E. 1908 A, 141.
Gilmore, C. W. 1907 A, 158.
1925 A, 366, 374.
Gregory, W. K. 1916 D, 106 (Brontosaurus).
1920 C, 16.
Hay, O. P. 1910 C, 8.
Hoffmann, C. K. 1890 B, 1311.
Holland, W. J. 1916 A, 143.
1916 D, 153 (Brontosaurus a syn.).
1923 A, 478, 479.
1924 A, 120, 124.
Huene, F. 1908 B, 348.
1909 B, 14.
1927 C, 125.
Huene and Lull 1908 A, 142.
Hutchinson, H. N. 1917 A, 363 (Brontosaurus).
Janensch, W. 1914 B, 91, 96 (Syn. of Brontosaurus).
Janensch, W. 1922 A, 478.
Lull, R. S. 1910 A, 2, 7.
1924 A, 234.
Moodie, R. L. 1907 A, 90.
1917 B, 388, fig. 14.
1918 C, 272, figs. 12-14.
1918 D, 509, fig. 45.
1920 E, 460, fig. 1.
1923 B, 123, 162, pls. xxiii, xxviii, xxix.
1926 A, 67, 68 (This genus?).
Mook, C. C. 1917 A, 355.
Nopcsa, F. 1901 A, 257.
1905 C, 292.
1906 A, 73.
1911 A, 111.
1915 B, 15.
1918 B, 239.
1923 H, 97, 98.
Osborn, H. F. 1917 B, 213, 219-221, figs.
Osborn and Mook 1919 A, 396.
Riggs, E. S. 1903 C, 165, 169, pls. xlv-li, liii.

Schuchert, C. 1910 A, 582.
Stromer, E. 1915 B, 18.
Tornier, G. 1913 B, 370 (Syn. of Brontosaurus).
Williston, S. W. 1925 A, 103, 149, figs. 80, 122.
1925 B, 293.
Zittel and Broili 1911 A, 285.
1923 A, 350.

Apatosaurus ajax Marsh.

Hay, O. P. 1902 A, 485.
Cannon, G. L. 1894 A, 245.
1906 A, 116.
1906 B, 196.
Holland, W. J. 1923 A, 479.
Huene, F. 1922 A, 87 ("Apatosaurus").
Mook, C. C. 1916 A, 135.
1917 A, 357.
Riggs, E. S. 1903 C, 170.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Apatosaurus laticollis Marsh.

Hay, O. P. 1902 A, 485.
Cannon, G. L. 1894 A, 245.
Mook, C. C. 1916 A, 137.
Riggs, E. S. 1901 A, 550.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Apatosaurus louisæ Holland.

Holland, W. J. 1916 A, 144.
Eastman, C. R. 1917 B, 656.
Eastman, Gregory and Matthew 1917 A, 119.
Gilmore, C. W. 1925 A, 367.
Holland, W. J. 1924 A, 120, fig. 2.
1924 B, 383, 386.
Huene, F. 1927 B, 465.
Moodie, R. L. 1923 B, 192, pl. xxix.
Mook, C. C. 1916 A, 140.
Upper Jurassic or Lower Cretaceous (Morrison); Utah.

Apatosaurus minimus Mook.

Mook, C. C. 1917 A, 368, figs. 1, 2.
Osborn, H. F. 1904 C, 186, fig. 4 (Brontosaurus sp.).
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Brontosaurus Marsh. Type *B. excelsus* Marsh.

Hay, O. P. 1902 A, 485.
Abel, O. 1909 C, (120).
1909 F, 458.
1910 D.
1912 F, 248, 663, fig. 181.
1914 B, 87.
1916 A, 470, figs. 2, 3.
1919 A, 607.
1920 A, 387, fig. 603.
1922 C, 358, 415, fig. 308.
1925 A, 231.
Anonymous 1880 A, 113.
Arthaber, G. 1924 A, 450.
Beard, J. C. 1901 A, 184, fig. 1.
Beasley, W. L. 1907 D, 446, 1 fig.
Bigot, A. 1897 A, 462.
Boule, M. 1891 A, 12.
Burroughs, J. 1919 A, 491.
Case, E. C. 1898 C, 637.
Cockerell, T. D. A. 1916 B, 189, fig.
Creevey, C. A. 1899 A, 41 ("brontosaur." This genus?).
Dames, W. 1883 C, 273.
Darton, N. H. 1908 A, 446.
1915 A, 67, pl. xi.
Depéret, C. 1907 B.
Dollo, L. 1889 H, 677.
1905 B, 251.
Eastman, C. R. 1914 B, 689.
Eimer, G. H. T. 1901 A, 250.
Fraas, E. 1902 A, 79, figs.
1902 C, lxvii.
1908 A, 141.
Frech, F. 1906 A, 495 ("brontosaurier").
Gaudry, A. 1893 A, 21.
1896 A, 49, 61.
1898 A, 127.
Gilmore, C. W. 1915 C, 52.
1925 B, 409.
Gratacap, L. P. 1902 A, 5, fig. 3.
Gregory, W. K. 1901 A, 145.
1905 A, 572.
Gregory, W. K. 1927 C, 171.
Gregory and Camp 1918 A, 530.
Hatcher, J. B. 1901 E, 1015.
1902 B, 356, pls. xix, xx.
1903 A, 14, pl. iv, fig. 1.
1903 B, 13.
1903 E, 72.
Hay, O. P. 1908 C, 676.
1910 C, 1.
1911 B, 404.
Heilprin, A. 1887 A, 161.
Hoernes, R. 1886 A, 613.
Hoffmann, C. K. 1890 B, 1311.
Holland, W. J. 1910 A, 265, fig. 4.
1912 A, 205.
1915 B, 274.
1915 C, 153.
Huene, F. 1904 A, 322.
1908 B, 289.
1908 E, 380.
1927 A, 123 (Syn. of Camarasaurus).
Hutchinson, H. N. 1910 A, 146, pl. xix.
Janensch, W. 1922 A, 477 (Syn. of Apatosaurus).
Joleaud, L. 1920 A, 493.
Kingsley, J. S. 1925 A, 268, fig. 291.
König, F. 1910 A, 150.
Lafitte, J. P. 1905 A, 408.
Lankester, E. R. 1905 A, 204, fig. 147.
Lebedinsky, N. G. 1913 A, 767.
Lönnberg, E. 1910 A, 17.
Loomis, F. B. 1901 A, 195.
Lucas, F. A. 1901 J, 96, 109, 119, figs. 19, 20.
1902 B, 152, fig.
1902 C, 642.
Lull, R. S. 1910 A, 7.
1911 C, 191.
1914 D, 355.
1915 F, 833, pl. xxxii, fig. 1.
1917 A, 473.
1917 B, 220, 335, 515.
1918 C, 130.

Lull, R. S. 1919 C, 19, 41.
1924 A, 234, 269, fig. 26.
Lydekker, R. 1887 E, 158.
1906 B, 391.
1907 C, 457.
1912 C, 51, 128, 141, 156.
Matthew, W. D. 1905 E, 63, figs. 1, 3, 4.
1910 D, 547.
1914 J, 443.
1915 C, 62, figs. 5, 8, 19-22.
1919 A, 492.
Moodie, R. L. 1915 I, 172, fig. 12.
Mook, C. C. 1914 A, 225.
Nopcsa, F. 1900 A, 560.
1901 A, 258.
Osborn, H. F. 1901 G, 159.
1903 G, 701.
1904 C, 181, 186, 189, 190, figs. 4*a-c*, 6.
1904 I, 272.
1904 Q, 682.
1905 G, 375.
1906 D, 282.
1917 B, 219, 220.
1926 A, 188.
Osborn and Granger 1901 A, 199, figs. 1, 3, 6.
Pütter, A. 1923 A, 221.
Reynolds, S. H. 1897 A, 207, 288.
Riggs, E. S. 1901 A, 549.
1903 A, 305.
1903 B, 393.
1903 C, 165, 170.
Romer, A. S. 1923 C, 613.
Sauvage, H. E. 1902 B, 9 ("brontosaure").
Schuchert, C. 1910 A, 582.
1915 A, 882.
1918 B, 255.
Schuchert and Levene 1927 A, 321, fig.
Seitz, A. L. L. 1907 A, 300.
Simpson, G. G. 1926 H, 210.
Stanton, T. W. 1905 A, 662.
Sternberg, C. H. 1917 A, 21, 56.
Stose, G. W. 1912 A, 3.
Stremme, H. 1909 B, 796.
1910 A, 547.
Thevenin, A. 1907 B, 129.
Tornier, G. 1909 B, 512.
1909 C, 537.
1910 A, 543.
1913 B, 370.
Trouessart, E. L. 1903 A, 306.
Van den Broeck, E. 1900 A, 82.
Versluys, J. 1910 B, 220.
1910 C, 425, fig. E.
1912 B, 580.
Whitnal, H. O. 1925 A, 14, pl. ii.
Williston, S. W. 1925 B, 293.
Woodward, A. S. 1905 A, 242.
Woodward, H. 1904 B, 146.
Zittel and Broili 1911 A, 285 (Syn. of Apatosaurus).
1923 A, 347 (Syn. of Apatosaurus).
Zittel, Eastman, etc. 1902 A, 235.

Brontosaurus amplus Marsh.

Hay, O. P. 1902 A, 485.
Mook, C. C. 1916 A, 138.
Osborn, H. F. 1904 C, 189.
Riggs, E. S. 1903 C, 170 (Apatosaurus).
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Brontosaurus excelsus Marsh.

Hay, O. P. 1902 A, 485.
Abel, O. 1910 D, 22.
1916 A, 494, fig. 7.
1919 A, 612, figs. 480, 481.
1922 C, 410, 414, figs. 342, 344.
1925 A, 232, figs. 168, 169, 171, 172-175.
Anonymous 1880 A, 113.
1905 A, 42.
1906 E, 411 ("Brontosaurus").
Bigot, A. 1897 A, 463, figs. 1, 2.
Boule, M. 1891 A, 12, fig. 1.
1902 B, 906, fig. 7.
Gadow, H. 1901 B, 418, fig. 95.
Geinitz and Deichmüller 1882 B, 14.
Gregory, W. K. 1905 A, 572.
Hatcher, J. B. 1901 D, 52, fig. 22.
Hoffmann, C. K. 1890 B, 1311.
Holland, W. J. 1910 A, 260, fig. 1.
1916 A, 144 (Apatosaurus).
Huene, F. 1906 B, 112, fig. 8.
1927 C, 124 (Camarasaurus).
Knight, W. C. 1900 A, 454 ("dinosaur").
Koken, E. 1893 B, 395.
Lull, R. S. 1917 B, 515, pl. xi; text-fig. 156.
Merrill, G. P. 1907 A, 64.
Moodie, R. L. 1917 B, 389, fig. 17 ("Brontosaurus").
Mook, C. C. 1916 A, 138.
1917 B, 357.
Osborn, H. F. 1903 G, 701.
1904 C, 189.
1904 F, 49.
1904 Q, 685.
1905 L, 562 ("Brontosaurus").
1906 D, 282, figs. 1, 3.
1915 E, 136.
Peck, F. B. 1904 A, 30, 38.
Reed, W. H. 1909 A, 198.
Riggs, E. S. 1901 A, 549.
1903 B, 393.
1903 C, 170, pl. lii (Apatosaurus, Brontosaurus).
Schuchert, C. 1918 B, 253.
Sternberg, C. H. 1909 C, 78, fig. 16 ("Brontosaurus").
Stromer, E. 1912 A, 87, fig. 88.
Woodward, A. S. 1922 C, 18, fig. 12.
Wortman, J. L. 1900 A, 164 ("Brontosaurus").
Zittel and Broili 1911 A, 286, figs. 431, 434 (Apatosaurus).
1923 A, 350, fig. 459 (Apatosaurus).
Zittel, Eastman, etc. 1902 A, 234, figs. 335, 336.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Brontosaurus sp. indet.

Mook, C. C. 1916 A, 94, 96. Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

BRACHIOSAURIDÆ Riggs.

Riggs, E. S. 1904 B, 229.
Gilmore, C. W. 1907 A, 163.
Holland, W. J. 1912 A, 207.
Huene, F. 1927 B, 460.
1927 C, 122.
Lull, R. S. 1915 C, 333 (Brachiosauridæ or Barosauridæ).
Moodie, R. L. 1916 A, 51.
Nopcsa, F. 1923 D, 107.
1923 H, 99, 195.
1928 A, 184.
Williston, S. W. 1905 B, 345.

BRACHIOSAURUS Riggs. Type *B. altithorax* Riggs.

Riggs, E. S. 1903 A, 299.
Abel, O. 1916 A, 495.
1919 A, 606.
1921 A, 262, 301, 302.
1922 C, 434, figs. 353, 355.
1925 A, 266.
Allis, E. P. 1898 A, 444.
Eastman, C. R. 1915 C, 659.
Fraas, E. 1908 A, 141.
Gilmore, C. W. 1922 A, 4.
Hay, O. P. 1910 C, 8.
Huene, F. 1908 B, 347.
1908 D, 295.
1909 B, 14.
1919 A, 182.
1927 B, 459.
1927 C, 122, 123.
Janensch, W. 1914 B, 82, 86, figs. 1-6.
1922 A, 470, figs. 5-7.
Koken, E. 1893 B, 240.
Lucas, F. A. 1911 A, 18.
Lull, R. S. 1915 C, 329.
1915 F, 835.
1917 B, 220, 516, fig. 158.
1919 C, 19, 41.
1924 A, 233, fig. 25.
Matthew, W. D. 1914 J, 443.
1915 C, 73, 74, fig. 24.
1915 J, 153.
1921 B, 186.
Moodie, R. L. 1907 A, 90.
Mook, C. C. 1914 A, 227.
Mook, C. C. 1916 A, 154.
Nopcsa, F. 1906 A, 73.
1918 A, 186.
1923 H, 97-99, 195.
1928 A, 184.
Osborn, H. F. 1904 Q, 689.
1915 E, 145.
1917 B, 217, 219, fig.
1924 I, 6.
Riggs, E. S. 1904 B, 229, 230.
Simpson, G. G. 1926 H, 205, 211.
Whitnal, H. O. 1925 A, 15.
Williston, S. W. 1905 B, 345.
1925 B, 293.
Zittel and Broili 1911 A, 285.
1923 A, 349.

Brachiosaurus altithorax Riggs.

Riggs, E. S. 1903 A, 299, figs. 1-7.
Abel, O. 1920 A, 393, fig. 610.
Branca, W. 1914 A, 74.
Huene, F. 1922 A, 87, 88.
1927 B, 457.
Janensch, W. 1914 B, 93, 97.
Lull, R. S. 1915 C, 329.
Mook, C. C. 1916 A, 140.
Osborn, H. F. 1905 L, 566, fig. 4.
Riggs, E. S. 1904 B, 240, pls. lxxi-lxxv; text-fig. 1.
Wieland, G. R. 1920 A, 529.
Upper Jurassic or Lower Cretaceous (McElmo); Colorado.

DIPLODOCIDÆ Marsh.

Hay, O. P. 1902 A, 486.
Abel, O. 1919 A, 610.
Arldt, T. 1907 D, 651.
1909 A, 262 ("diplodociden").
1912 A, 668.
Dollo, L. 1889 H, 677.
Günther, A. 1886 A, 443.
Holland, W. J. 1915 B, 274.
Huene, F. 1908 B, 347.
1909 B, 14.
1914 G, 38.
1922 A, 86 ("diplodociden").
Huene, F. 1927 B, 463, 466.
1927 C, 124.
Jaekel, O. 1914 A, 197 ("diplodociden").
Koken, E. 1900 A, 463.
Matthew, W. D. 1915 C, 32.
Nopcsa, F. 1923 H, 126, 195.
1928 A, 184.
Tornier, G. 1913 B, 370, 375.
Williston, S. W. 1925 B, 293.
Zittel and Broili 1911 A, 288.
1923 A, 352, 366.
Zittel, Eastman, etc. 1902 A, 236.

DIPLODOCUS Marsh. Type *D. longus* Marsh.

Hay, O. P. 1902 A, 486.
Abel, O. 1909 C, (118).
1909 F, 459, 477.
1910 A, (146).
1910 D.
1911 A, 175.
1912 F, 248, 591, 669, fig. 216.
1919 A, 606.
1920 A, 390.
Abel, O. P. 1921 A, 302.
1925 A, 251.
Andreae, A. 1903 A, 151.
Anonymous 1905 D.
1909 A, 334.
1922 A, 184.
Arthaber, G. 1924 A, 450.
Beasley, W. L. 1907 B, 491, 7 figs.
Beddard, F. E. 1898 A, 156.

Boas, J. E. V. 1914 B, 572, fig. 26.
Boule, M. 1902 B, 908, fig. 14.
Branca, W. 1914 A, 74.
Broili and Fischer 1917 A, 412.
Case, E. C. 1898 C, 638.
Cockerell, T. D. A. 1916 B, 183, 189, fig.
Darton, N. H. 1908 A, 446.
Deniker, J. 1909 A, 221, figs. 1, 2.
Dollo, L. 1889 H, 677.
1905 B, 251.
Drevermann, F. 1907 A, 152.
1910 A, 399.
1911 A, 272.
Eastman, C. R. 1914 B, 689.
Fraas, E. 1908 A, 141.
Gilmore, C. W. 1907 A, 158.
1909 A, 210.
1915 C, 52.
1922 A, 2, 4.
1924 G, 20.
1925 A, 353, 363.
1926 E, 35.
1927 B, 97, fig. 2.
Gratacap, L. P. 1902 A, 5.
Gregory, W. K. 1916 D, 106.
Hatcher, J. B. 1901 D, 55.
1903 A, 14.
1903 E, 72, figs. 1, 2.
Hay, O. P. 1908 B, 517.
1908 C, 673.
1908 E, 366.
1909 E, 829, text-fig. 5.
1910 C, 1, pl. i; text-figs. 2, 4-7.
1911 B, 399.
Heilmann, G. 1913 B, 7.
1916 A, 86.
Hennig, E. 1915 A, 576.
1916 A, 177.
1924 A, 208.
Hoernes, R. 1886 A, 613.
Holland, W. J. 1905 D, 935.
1905 E, 683, pl.
1906 A, 227, pls. xxvi-xxviii; text-figs. 2-22, 25, 26, 29, 30.
1908 E, 645.
1910 A, 261, figs. 2-4, 9-12, 15-17, 19.
1912 A, 205.
1915 B, 274.
1915 C, 153.
1916 D, 153.
1918 A, 130.
1923 A, 478, 479.
1924 A, 120.
1924 B, 379-403, pls. xl-xliii, figs. 1-11.
Huene, F. 1904 A, 323, figs. 9, 14.
1905 B, 346.
1908 B, 341, 350, text-fig. 316.
1908 D, 294, 297.
1909 B, 14.
1914 C, 579, pl. ix, fig. 3.
1914 G, pl. vii.
1919 A, 182.
1927 B, 464, 467.
1927 C, 125.
Hutchinson, H. N. 1910 A, 153, fig. 52.
1916 A, 539.
1917 A, 356, text-figs. 1-8.
Jaekel, O. 1908 B, 467.
Jaekel, O. 1910 A, 270.
Janensch, W. 1914 B, 96.
1922 A, 477.
Joleaud, L. 1920 A, 493.
Knight, W. C. 1900 A, 454 ("dinosaur").
Knipe, H. R. 1912 A, 90, fig.
König, F. 1910 A, (146).
Lafitte, J. P. 1905 A, 407, fig. 1.
1909 A, 222.
Lankester, E. R. 1905 A, 204.
Loomis, F. B. 1901 A, 195.
Lucas, F. A. 1901 J, 99, 109.
1902 B, 158, fig.
Lull, R. S. 1910 A, 2.
1914 D, 355.
1915 C, 333.
1915 F, 835, pl. xxxii, fig. 2.
1917 B, 335, 514.
1918 C, 130.
1924 A, 233, 236, 269, fig. 27.
Lydekker, R. 1905 A, 304.
1906 B, 391.
1907 C, 457.
1909 C, 463.
1910 D, 459.
1910 F, 667.
1911 A, 678.
1912 C, 6, 51, 128, 141, 156.
Martin, E. A. 1905 A, 159.
Matthew, W. D. 1910 D, 547.
1914 J, 443.
1915 C, 72, figs. 20, 23.
Moodie, R. L. 1915 I, 156.
1923 B, 162, fig. 15.
Mook, C. C. 1914 A, 225.
1917 B, 815.
Nopcsa, F. 1900 A, 560.
1901 A, 261.
1902 B, 102, 110.
1905 D, 289, figs. 46, 47.
1906 A, figs. 1, 13, 16.
1907 A, 231.
1911 A, 148.
1915 B, 15.
1917 B, 341, fig. 5.
1918 A, 195.
1918 B, 239.
1923 D, 107.
1923 H, 12, 13, 97, 98, 195, pl. vi, fig. 15.
1925 A, 19.
1926 A, 642, text-fig. 4.
1928 A, 184.
Osborn, H. F. 1903 I, 978.
1904 C, 181, 186, 189, 190.
1904 I, 35.
1905 G, 375.
1906 D, 283, fig. 4.
1915 E, 142.
1917 B, 219, 221, fig.
Osborn and Granger 1901 A, 199, figs. 1-4, 6.
Peck, F. B. 1904 A, 30.
Perrier, E. 1920 A, 313.
Pompeckj, J. F. 1920 A, 110.
1921 A, 2.
Pütter, A. 1923 A, 221.
Pycraft, W. P. 1909 A, 204, fig.
Riggs, E. S. 1903 B, 394.
1903 C, 181.

Riggs, E. S. 1904 B, 230.
Romer, A. S. 1923 C, 611.
Sauvage, H. E. 1902 B, 9, 12.
Schuchert, C. 1910 A, 582.
1915 A, 882.
Seeley, H. G. 1888 G, 170.
1892 C, 189.
1904 A, 343.
Seitz, A. L. L. 1907 A, 303.
Simpson, G. G. 1926 H, 210.
Sternfield, R. 1909 A, 374, figs. 7-9.
Stose, G. W. 1912 A, 3.
Stremme, H. 1909 B, 796, figs. 1, 2.
1910 A, 545, fig. 1.
Thevenin, A. 1907 B, 124, figs. 3, 7, 8.
Tornier, G. 1909 A, 193.
1909 B, 505.
1909 C, 536.
1910 A, 536, figs. 1, 4, 5, 11, 12.
1910 B, 402.
1913 B, 355, 366, fig. 36.
Versluys, J. 1910 B, 214, figs. R-T.
1910 C, 425, figs. A, B.
Whitnal, H. O. 1925 A, 15.
Wieland, G. R. 1920 A, 529.
Williston, S. W. 1911 B, 97.
1918 A, 79, fig. 3.
1925 A, 87, 94, 103, 104, figs. 70, 75, 80, 81.
1925 B, 293.
Woodward, A. S. 1905 A, 238.
Woodward, H. 1904 B, 146.
Zittel and Broili 1911 A, 288.
1923 A, 347, 353, fig. 463.
Zittel, Eastman, etc. 1902 A, 236.

Diplodocus carnegii Hatcher.

Hatcher, J. B. 1901 D, 20, pls. iii-ix; pl. x, figs. 1, 2; pls. xi-xiii; text-figs. 6-9, 11-21, 23.
Abel, O. 1909 F, 461, fig. 3.
1910 D, 9, figs. 1, 2 (D. carnegiei).
1912 F, 247, figs. 180, 182, 183 (D. carnegiei).
1916 A, 494, fig. 7 (D. carnegiei).
1919 A, 609, figs. 477-479 (D. carnegiei).
1920 A, 392, fig. 609 (D. carnegiei).
1922 C, 411, 417, figs. 346, 347, 349, 351, 352 (D. carnegiei).
1925 A, 49, 253, figs. 34, 35, 187, 188, 190, 192, 194, 196-198, 200 (D. carnegiei).
Anonymous 1905 C, 82, fig. 1.
1905 D, pls. xvii, xviii.
1905 E, 576, pl. xxv (D. carnegiei).
1906 E, 411 ("Diplodicus").
1909 A, 334 ("Diplodicus").
1910 A, 198.
Branca, W. 1914 A, 74 (D. carnegiei).
Brauer, A. 1908 A, 92, fig. 7 (D. carnegiei).
Drevermann, F. 1910 A, 399.
1911 A, 278, pls.
Gilmore, C. W. 1925 A, 355, 384 (D. carnegiei).
Hatcher, J. B. 1903 A, ii, pl. iv.
1903 C, 570.
1903 E, 73, pl. vi.
Hay, O. P. 1908 B, 517 ("Diplodocus").
Holland, W. J. 1904 A, 601.
1905 B, 443.
1905 D, 935.
1906 A, 228, pls. xxix, xxx; text-fig. 1.
1908 B, 160.
Holland, W. J. 1910 A, 259.
1916 B, 2.
1924 A, 124, fig. 2 (D. carnegiei).
1924 B, 383 (D. carnegiei).
Huene, F. 1914 C, pl. ix, fig. 1.
1922 A, 87 (D. carnegiei).
1927 B, pl. xv.
Hutchinson, H. N. 1910 A, 155, pls. xxi, xxii.
1916 A, 539 (D. carnegiei).
1917 A, 356, pls. xxii, xxiii.
Lull, R. S. 1917 B, 184, 515, pl. iii; text-fig. 157.
1919 C, pl. vii; text-figs. 7-10 (D. carnegiei).
1926 A, 460 ("Diplodocus").
Lydekker, R. 1905 E, 134.
Martin, E. A. 1905 A, 159.
Mook, C. C. 1916 A, 139.
Nopcsa, F. 1902 B, 113.
Osborn, H. F. 1905 L, 562, fig. 2 (D. carnegiei).
Pycraft, W. P. 1905 A, 128, figs. 1, 2.
Schuchert and Levene 1927 A, 321, fig.
Shufeldt, R. W. 1906 B, 41, fig. 6.
Sternberg, C. H. 1909 E, 125 ("D. carnegie").
1917 A, 20, fig. 6.
Sternfield, R. 1909 A, 374, figs. 3-6, 10, 11.
Thevenin, A. 1907 B, 126.
Tornier, G. 1909 A, 193.
1909 B, 506.
1909 C, 284.
1913 B, 366, fig. 44.
Versluys, J. 1910 C, 444, fig. K.
Woodward, A. S. 1922 C, 16, pl. iii; text-fig. 11.
Wortman, J. L. 1900 A, 164 ("Diplodocus?," "Barosaurus?").
Zittel, Eastman, etc. 1902 A, 236, fig. 339.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Diplodocus hayi Holland.

Holland, W. J. 1924 B, 399.
1906 A, 231-242, pl. xxvii; pl. xxviii, fig. 1; text-figs. 4-10 ("Diplodocus").
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Diplodocus lacustris Marsh.

Hay, O. P. 1902 A, 486.
Cannon, G. L. 1894 A, 245.
Hatcher, J. B. 1901 D, 56.
1902 B, 356.
Mook, C. C. 1916 A, 138.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Diplodocus longus Marsh.

Hay, O. P. 1902 A, 486.
Abel, O. 1910 D.
1916 A, 494.
1919 A, 608, fig. 476.
1922 C, 419, fig. 348.
1925 A, 252, figs. 193, 199.
Boas, J. E. V. 1914 C, 277, fig. 63.
Drevermann, F. 1910 A, 400.
1911 A, 272, pls. and fig.
Gadow, H. 1901 B, 419, fig. 97.

Gilmore, C. W. 1907 A, 165.
1914 A, 25.
1919 A, 107, text-fig. 5.
1923 C, xii ("Diplodocus").
1924 I, 381 ("Diplodocus").
Hatcher, J. B. 1901 D, 5, 55, pls. ii, xii; text-figs. 1-5, 10, 24.
1903 E, 75.
Holland, W. J. 1906 A, 251, 266, 268, 270, pls. xxiii-xxv.
1924 B, 382, 385.
Huene, F. 1914 C, pl. ix, figs. 2, 4, 5.
1919 A, 182, pl. vii.
Lull, R. S. 1919 C, 22, pl. vi, fig. 8; text-fig. 6.
1926 A, 459 ("Diplodocus").
Merrill, G. P. 1907 A, 69, 70.
Moodie, R. L. 1923 B, 182, fig. 15.
Mook, C. C. 1916 A, 137.
Nopcsa, F. 1902 B, 112.
Osborn, H. F. 1904 C, 187, figs. 3*a*, 3*b*, 5.
1904 Q, 682 ("Diplodocus").
1912 J, 20, figs. 12, 16.
1919 A, 69 ("Diplodocus").
Osborn and Mook 1919 A, 388.
Pompeckj, J. F. 1920 A, 110.
Sauvage, H. E. 1902 B, 13.
Sternfield, R. 1909 A, 374.
Thevenin, A. 1907 B, 126.
Tornier, G. 1909 A, 209.
1909 C, 540.
1913 B, 369, figs. 49, 50.
Versluys, J. 1910 C, 442, figs. F-J
Williston, S. W. 1915 D, 129, fig. 44 ("Diplodocus").
Woodward, H. 1904 A, 147.
Zittel and Broili 1911 A, 288, fig. 435.
1923 A, 353, fig. 463.

Diplodocus sp. indet.

Gilmore, C. W. 1924 J, 12-16, figs. 16-21.
Holland, W. J. 1916 C, 3. Upper Jurassic or Lower Cretaceous (Morrison); Utah.
Lee, W. T. 1902 A, 37. Upper Jurassic or Lower Cretaceous (Morrison); Colorado.
Moodie, R. L. 1927 A, 92, fig. 2.
Mook, C. C. 1916 A, 57, 94, 96. Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

BAROSAURUS Marsh. Type *B. lentus* Marsh.

Hay, O. P. 1902 A, 485.
Abel, O. 1921 A, 301, 302.
Gilmore, C. W. 1925 A, 368.
Holland, W. J. 1915 B, 275.
Huene, F. 1909 B, 15.
1927 C, 123, 124.
Janensch, W. 1922 A, 464.
Joleaud, L. 1920 A, 493.
Lull, R. S. 1915 C, 333.
1917 C, 214.
1919 C, 1-42, pls. ii-vi.
1924 A, 234, 236.
Matthew, W. D. 1914 J, 443.
Nopcsa, F. 1923 H, 195.
1928 A, 184.
Osborn, H. F. 1904 Q, 688.
Wieland, G. R. 1920 A, 528.
1925 B, 558.
Williston, S. W. 1925 B, 294.
Woodward, A. S. 1920 A, 117.
Zittel and Broili 1923 A, 351.

Barosaurus affinis Marsh.

Hay, O. P. 1902 A, 485.
Lull, R. S. 1919 C, 38, pl. vi, figs. 9, 10.
Mook, C. C. 1916 A, 139.
Upper Jurassic or Lower Cretaceous (Morrison); South Dakota.

Barosaurus lentus Marsh.

Hay, O. P. 1902 A, 485.
Joleaud, L. 1920 A, 493.
Lull, R. S. 1919 C, 7, pls. i, vii; text-figs. i-vi.
Mook, C. C. 1916 A, 139.
Wieland, G. R. 1920 A, 528.
Upper Jurassic or Lower Cretaceous (Morrison); South Dakota.

AMPHICŒLIAS Cope. Type *A. altus* Cope.

Hay, O. P. 1902 A, 486.
Cope, E. D. 1878 KK, 476.
1880 U, 146.
Gilmore, C. W. 1925 A, 368.
Huene, F. 1908 B, 348.
1922 A, 87.
1927 C, 123, 124.
Lydekker, R. 1887 E, 158.
Nopcsa, F. 1901 A, 257.
1902 B, 111, 112.
1923 H, 98.
1928 A, 184.
Osborn and Mook 1919 A, 390, 391.
1920 A, 15.
1921 A, 274, 279, 377, text-figs. 119-127.
Riggs, E. S. 1903 A, 304, 305.
Williston, S. W. 1925 B, 293.
Zittel, Eastman, etc. 1902 A, 235.

Amphicœlias altus Cope.

Hay, O. P. 1902 A, 486.
Abel, O. 1925 A, 251, fig. 186.
Cope, E. D. 1878 KK, 476.
Mook, C. C. 1916 A, 136.
Osborn and Mook 1919 A, 388.
1921 A, 275, text-figs. 17, 18, 120-127.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Amphicœlias fragillimus Cope.

Hay, O. P. 1902 A, 486.
Cope, E. D. 1891 N, 43.
Mook, C. C. 1916 A, 137.
1921 A, 278, text-fig. 21.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Amphicœlias latus Cope.

Hay, O. P. 1902 A, 486.
Ballou, W. H. 1897 A, 21, fig.
Gilmore, C. W. 1922 A, 4 (Amphicœlus).
Hay, O. P. 1910 C, 25.
Mook, C. C. 1916 A, 136.
Osborn and Mook 1919 A, 388.
1921 A, 277, text-figs. 19, 20, 119.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

DYSTROPHÆUS Cope. Type *D. viæmalæ* Cope.

Hay, O. P. 1902 A, 497.
Arldt, T. 1907 D, 330.
Case, E. C. 1898 C, 641.
Hennig, E. 1924 A, 122.
Huene, F. 1904 A, 319.
1908 B, 347.
1908 D, 295.
1909 B, 14.
1927 C, 122.
Lull, R. S. 1910 A, 16.
1924 A, 234.
Nopcsa, F. 1901 A, 267 (Dystropheus).
1901 B, 213.
1906 A, 83.
1928 A, 184.
Williston, S. W. 1925 B, 293.
Zittel and Broili 1911 A, 285 (Distrophæus).
Zittel and Broili 1923 A, 350 (Distrophæus).
A sauropod of doubtful family.

Dystrophæus viæmalæ Cope.

Hay, O. P. 1902 A, 497.
Cross, W. 1907 A, 639.
Huene, F. 1904 A, 319, pls. xiv-xvi; text-figs. 4, 5.
1922 A, 88.
1927 B, 457.
Merrill, G. P. 1907 A, 70.
Mook, C. C. 1916 A, 135.
Nopcsa, F. 1901 A, 261 (Symphyrophus viemale); 267 (D. viemale).
1901 B, 207 (Symphyrophus viemale); 213 (Dystrophæus viemale).
Upper Jurassic (McElmo); Utah.

APATODON Marsh. Type *A. mirus* Marsh.

Hay, O. P. 1902 A, 506.
Hennig, E. 1924 A, 130.
Huene, F. 1909 B, 18.
A doubtful genus of doubtful position.

Apatodon mirus Marsh.

Hay, O. P. 1902 A, 506.
Mook, C. C. 1916 A, 147.
Upper Jurassic or Lower Cretaceous; Locality uncertain.

BRACHYROPHUS Cope. Type *B. altarkansanus* Cope.

Hay, O. P. 1902 A, 506.
Hennig, E. 1924 A, 130 (Brachyrhophus).
Huene, F. 1909 B, 18 (Brachyrhophus).
A genus of uncertain position.

Brachyrophus altarkansanus Cope.

Hay, O. P. 1902 A, 506.
Mook, C. C. 1916 A, 148.
Osborn and Mook 1919 A, 390.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

ALAMOSAURUS Gilmore. Type *A. sanjuanensis* Gilmore.

Gilmore, C. W. 1922 A, 1.
Huene, F. 1927 B, 468, 469.
1927 C, 126.
Lull, R. S. 1924 A, 251, 270.

Alamosaurus sanjuanensis Gilmore.

Gilmore, C. W. 1922 A, 1, pls. i, ii.
1921 D, 274 ("sauropod dinosaur").
Reeside, J. B. 1924 A, 31.
Upper Cretaceous (Ojo Alamo); New Mexico.

Order ORTHOPODA Cope.

Cope, E. D. 1866 E, 316.
Hay, O. P. 1902 A, 495.
Abel, O. 1911 A, 161, 171 (Orthopoda); 171 (Ornithischia).
1912 F, 276, 292, 689.
1916 A, 495 ("orthopoden"); 471, 495 (Ornithischia).
1919 A, 614 (Ornithischia).
1920 A, 386 (Ornithischia).
1921 A, 251, 264 ("ornithischier").
1922 C, 353, 371 ("ornithischier").
Altmann, F. 1925 A, 105 ("orthopoden").
Arldt, T. 1909 A, 261 ("ornithischier"); 263 ("orthopoden").
1912 A, 668 (Ornithischia).
Bigot, A. 1897 A, 464 ("prédentés").
Boas, J. E. V. 1914 B, 568 (Ornithischia).
Boulenger, G. A. 1903 A, 357.
1904 C, 480.
Broom, R. 1913 J, 364 (Predentata).
1914 H, 1076 (Predentata).
1924 B, 64, fig. 13 (Predentata).
Case, E. C. 1897 D, 88 (Predentata).
1898 C, 639 (Predentata).
Cope, E. D. 1891 N, 43.
Dollo, L. 1905 B, 251 ("prédentariens").
1906 A, 445 ("prédentariens").
Drevermann, F. 1911 A, 274 (Ornithischia).
Fraas, E. 1911 B, 33 ("orthopoden").
Gadow, H. 1896 C, 204.
1901 B, 424.
Gilmore, C. W. 1907 A, 164.
1924 H, 3 (Ornithischia).
1927 B, 96 (Ornithischia).

Gregory, W. K. 1919 A, 19 (Ornithischia).
Haeckel, E. 1873 A, 531 (Therosauria).
Hatcher, J. B. 1901 A, 129 (Predentata).
1901 D, 54 (Predentata).
1903 A, 47 (Predentata).
1904 A, 353 (Predentata).
1907 A, 10 (Predentata).
Hay, O. P. 1910 C, 23.
1911 B, 410 (Predentata).
Heilmann, G. 1926 A, 206 ("predentates").
Hennig, E. 1912 B, 99 ("predentaten").
1924 A, 129, 130 (Orthopoda); 129, 130 (Ornithischia).
Hilzheimer, M. 1913 A, 515 (Prædentata).
Hooley, R. W. 1912 A, 48.
Huene, F. 1908 B, 307, 351 (Orthopoda); 406 (Ornithischia).
1908 F, 401 (Ornithischia).
1909 B, 16 (Ornithischia); 17 (Orthopoda).
1910 A, 78 (Ornithischia).
1914 A, 145 (Ornithischia).
1914 B, 444 (Ornithischia).
1914 C, 580 (Ornithischia).
1914 D, 154 (Ornithischia).
1914 G, 38 (Ornithischia); 41 ("orthopoden").
1914 K, 16 (Ornithischia).
1922 E, 24 (Ornithischia).
1922 F, 409 (Ornithischia).
1925 G, 316 ("ornithischier").
1927 E, 326 ("ornithischier").
Huene and Lull 1908 A, 134 (Ornithischia).
Huxley, T. H. 1870 G, 478.
Jaekel, O. 1910 C, 339 (Postpubici).
1911 A, 159 (Postpubici).
Koken, E. 1900 A, 464 (Prædentata).
Lebedinsky, N. G. 1913 A, 768.
1913 B, 195 ("prædentaten").
1914 A, 88 ("prædentaten").
Lucas, F. A. 1902 B, 169 (Predentata).
Lull, R. S. 1904 A, 499.
1904 D, 144 ("herbivorous dinosaurs").
1910 A, 3, 10, 16, 29.
1912 A, 210.
1912 B, 771 (Predentata).
1915 A, 117 (Ornithischia); 207 (Orthopoda).
1915 C, 329 (Predentata).
1915 F, 836 ("predentate dinosaurs").
1917 A, 473 ("predentates").
1917 B, 294, 505, 518 (Ornithischia).
1924 A, 236 (Orthopoda); 307 (Ornithischia).
Lydekker, R. 1912 C, 23.
Marsh, O. C. 1881 E, 423 (Ornithopoda).
Matthew, W. D. 1915 A, 278 (Predentata).
1915 C, 28 (Predentata); 31, 32, 75 (Ornithischia); 75 (Orthopoda).
1915 L, 28, 75 ("predentates").
1921 D, 211 (Ornithischia).
1923 C, 408 (Ornithischia).
Mehnert, E. 1887 B, 217 ("orthopoden").
Middleton, J. 1844 A, 287 ("iguanodon").
Mook, C. C. 1918 A, 467 ("ornithischians").
Nopcsa, F. 1901 A, 261.
1905 A, 203.
1907 A, 231.
1911 A, 111.
1915 B, 1[illegible]
1917 A, 204, 209.
1917 B, 339, 348.
1918 B, 235, 239.
1922 A, 115, 116 (Ornithischia).
1923 H, 4-187, tab.
1926 A, 658 ("orthopodous dinosaurs").
1928 A, 184.
Osborn, H. F. 1903 H, 456, 466.
1904 H, 114.
1905 C, 295.
1924 B, 16 (Ornithischia).
Perrier, E. 1920 A, 312 ("orthopodes").
Pompeckj, J. F. 1921 A, 4 ("ornithischier").
Reynolds, S. H. 1897 A, 208, 292.
Romer, A. S. 1923 A, 141 (Ornithischia).
1927 C, 226, 230 (Ornithischia).
Seeley, H. G. 1887 F, 562 (Omosauria).
1888 B, 698 (Ornithischia).
1888 C, 86 (Ornithischia).
1888 G, 170 (Ornithischia).
1888 I, 240 (Ornithischia).
1894 B, 233 (Ornithischia).
1894 D, 412 (Ornithischia).
1904 A, 339 ("ornithosaurs").
Simpson, G. G. 1926 I, 454 (Ornithischia).
Steiner, H. 1922 A, 339 (Ornithischia).
Steinmann, G. 1907 A, 450.
1909 A, 67 (Ornithischia); 87 (Prædentata).
1910 A, 99 (Ornithischia).
Stromer, E. 1912 A, 88 (Ornithischia).
Tolmachoff, I. 1924 A, 490 ("predentate dinosaurs").
Tornier, G. 1913 B, 270, 375 (Prædentata).
Van den Broeck, E. 1900 A, 82, 85 ("orthopodes").
Van Straelen, V. 1925 A, 1, fig. 1 (Protoceratops?).
Versluys, J. 1910 B, 221 ("prädentaten").
1923 A, 9 (Ornithischia).
Whitnal, H. O. 1925 A, 15 (Ornithischia).
Wieland, G. R. 1925 A, 603.
Williston, S. W. 1914 A, 18, 45.
1917 C, 412 (Predentata); 414 (Ornithischia).
1918 A, 79 (Predentata).
1925 A, 19, 142, 197 (Predentata); 118, 149 (Ornithischia).
1925 B, 214, 294 (Orthopoda, Ornithischia).
Zittel and Broili 1911 A, 288 (Prædentata); 278 (Ornithischia).
1923 A, 353, 366 (Orthopoda); 353 (Ornithischia).
Zittel, Eastman, etc. 1902 A, 237 (Predentata).

Superfamily IGUANODONTOIDÆ, new form.

Hay, O. P. 1902 A, 500 (Iguanodontoidea).
Abel, O. 1912 F, 278 ("ornithopoden").
1919 A, 614 (Orthopoda).
1922 C, 348 ("iguanodontiden").
Arldt, T. 1907 D, 669 (Ornithopoda).
Arldt, T. 1909 A, 263 ("ornithopoden").
1912 A, 669, 679 (Ornithopoda).
Berkey, C. P. 1923 A, 3 (Ornithopoda).
Bigot, A. 1897 A, 463 ("ornithopodes").
Case, E. C. 1897 D, 88 (Ornithopoda).

Dames, W. 1883 C, 272 (Orthopoda).
Dollo, L. 1889 H, 679 ("ornithopodes").
1905 B, 251 ("prédentariens quadrupèdes").
1923 B, 67 ("iguanodons").
Fraas, E. 1911 B, 30 ("ornithopoden").
Fürbringer, M. 1888 A, 1620 (Ornithopoda).
Gadow, H. 1896 C, 205 (Ornithopoda).
1901 B, 426 (Ornithopoda).
Gilmore, C. W. 1909 A, 267 (Iguanodontidea).
Granger and Gregory 1923 A, 3 (Ornithopoda).
Günther, A. 1886 A, 443 (Ornithopoda).
Haeckel, E. 1868 A, 455 (Therosauria).
Hatcher, J. B. 1901 A, 129 (Ornithopoda).
1904 A, 353 (Iguanodontia).
1907 A, 157, 298 (Ornithopoda).
Heilprin, A. 1887 A, 162 (Ornithopoda).
Hennig, E. 1924 A, 128.
Hoernes, R. 1886 A, 616 (Ornithopoda).
Hoffmann, C. K. 1890 B, 1311 (Ornithopoda).
Huene, F. 1908 B, 370, 375 ("ornithopoden").
1909 B, 16 (Ornithopoda).
1914 A, 145.
1914 G, 41 ("ornithopoden").
Hulke, J. W. 1875 A, 364, fig. 1 (Iguanodon).
Jaekel, O. 1914 A, 197 (Phytophagi).
Johnson, A. 1883 A, 408 (Ornithopoda).
Koken, E. 1900 A, 464 (Ornithopoda).
Lafitte, J. P. 1905 A, 410 ("ornithopodes").
Lönnberg, E. 1910 A, 17 (Ornithopoda).
Lull, R. S. 1910 A, 3, 31 (Ornithopoda).
1912 A, 210 (Ornithopoda, Iguanodontia).
1914 D, 357 (Ornithopoda).
1915 F, 836 (Ornithopoda).
1917 B, 518 (Ornithopoda).
1924 A, 307 (Ornithopoda).
Lydekker, R. 1912 C, 29, 137 (Ornithopoda).
Matthew, W. D. 1915 C, 32, 77, 82 (Ornithopoda, Iguanodontia).
Nopcsa, F. 1901 A, 273 (Ornithopodidæ).
1901 B, 208 (Ornithopodidæ).
1902 C, 149, 168 ("ornithopodiden"); 164 (Kalodontidæ).
Nopcsa, F. 1905 A, 204 (Ornithopodidæ).
1905 D, 289 (Ornithopodidæ).
1911 A, 147 (Ornithopodidæ).
1915 B, 17 (Kalodontidæ, Trachodontidæ, Ornithopodidæ).
1916 A, 419 ("orthopoden").
1917 A, 207 (Kalodontidæ, Trachodontidæ).
1918 A, 196 ("ornithopoden").
1922 A, 115 (Ornithopoda).
1923 D, 112, 113 (Ornithopodidæ).
1923 H, 107, —109, 145, 149, 172, 175, tab. (Ornithopoda).
1928 A, 184 (Ornithopoidea).
Osborn, H. F. 1902 I, 18 (Iguanodontia).
1904 N, 308 (Ornithopoda).
1922 D, 723, fig.
1923 D, 8 (Iguanodontia).
1924 L, 143 (Iguanodontia).
Palacký, J. 1902 B, 141 (Ornithopoda).
Peck, F. B. 1904 A, 31 (Ornithopoda).
Pompeckj, J. F. 1921 A, 4 ("ornithopoden").
1922 B, 87 ("ornithopoder").
Reynolds, S. H. 1897 A, 209 (Ornithopoda).
Romer, A. S. 1927 C, 234, 258 (Ornithopoda).
Seeley, H. G. 1888 G, 168, 171 (Ornithopoda).
1888 J, 698 ("ornithosaurs").
Simpson, G. G. 1926 H, 208 (Ornithopoda).
1926 I, 454 (Ornithopoda).
Steinmann, G. 1908 A, 219 ("ornithopoden").
1910 A, 99 ("orthopoden").
Stromer, E. 1912 A, 88 (Ornithopoda).
Terra, P. 1911 A, 241 ("ornithopoden").
Vallois, H. V. 1921 A, 971 ("ornithopodes").
Van den Broeck, E. 1900 A, 85 (Ornithopoda).
Versluys, J. 1912 B, 687 (Ornithopoda).
1923 A, 9 (Ornithopodidæ).
Whitnal, H. O. 1925 A, 15 (Ornithopoda).
Williston, S. W. 1925 B, 295 (Iguanodontidæ).
Woodward, A. S. 1897 C, 380 ("iguanodonts").
Zittel and Broili 1911 A, 289 (Ornithopodidæ).
1923 A, 354 (Ornithopodidæ).

NANOSAURIDÆ Marsh.

Hay, O. P. 1902 A, 505.
Abel, O. 1919 A, 617.
Arldt, T. 1907 D, 667.
1909 A, 263 ("nanosauriden").
1912 A, 662, 668.
Hennig, E. 1924 A, 129.
Huene, F. 1909 B, 16.
Huene, F. 1914 G, pl. vii.
Koken, E. 1900 A, 464.
Matthew, W. D. 1915 C, 32.
Nopcsa, F. 1901 A, 262, 274.
1928 A, 184 (Kalodontidæ, Nannosaurinæ).
Van den Broeck, E. 1900 A, 87.
Williston, S. W. 1925 B, 294.

NANOSAURUS Marsh. Type *N. agilis* Marsh.

Hay, O. P. 1902 A, 505.
Abel, O. 1919 A, 617.
Anonymous 1878 A, 76.
Cannon, G. L. 1894 A, 246.
Case, E. C. 1898 C, 640.
1908 D, 561, figs. 7-10.
Fraas, E. 1911 B, 33.
Gilmore, C. W. 1915 A, 614.
Gregory, W. K. 1907 B, 36, pl.
Hennig, E. 1912 B, 98.
Hoernes, R. 1886 A, 617.
Huene, F. 1906 B, 152, fig. 92.
1908 B, 273, 306, 375.
1909 B, 16.
Huene, F. 1914 G, 41.
Huene and Lull 1908 A, 134.
Lull, R. S. 1910 A, 17.
1917 B, 518.
1924 A, 238, 260.
Lydekker, R. 1912 C, 110.
Nopcsa, F. 1901 A, 263.
1905 C, 292.
1917 A, 208.
1918 B, 239.
1928 A, 184 (Nannosaurus).
Perrier, E. 1920 A, 308.
Romer, A. S. 1927 C, 226, 234.
Schuchert, C. 1918 B, 261.

Van den Broeck, E. 1900 A, 87.
Williston, S. W. 1905 B, 339.
1909 E, 194.
Zittel and Broili 1911 A, 289.
1923 A, 354.

Nanosaurus agilis Marsh.

Hay, O. P. 1902 A, 505.
Abel, O. 1912 F, 274.
Gilmore, C. W. 1925 B, 404.
Heilmann, G. 1926 A, 145, 161, fig. 106.
Huene, F. 1908 B, 318, 375, fig. 336.
Huene and Lull 1908 A, 134, pl. xiii; text-figs. 1-10.
Nopcsa, F. 1902 C, 152.
Talbot, M. 1911 A, 475.
Triassic or Jurassic (Morrison?); Colorado.

Nanosaurus rex Marsh.

Hay, O. P. 1902 A, 505.
Gilmore, C. W. 1909 B, 40.
Huene and Lull 1908 A, 142.
Nopcsa, F. 1902 C, 152.
Jurassic (Morrison); Colorado.

CAMPTOSAURIDÆ Marsh.

Hay, O. P. 1902 A, 501.
Abel, O. 1919 A, 617 (Camptosaurinæ).
Arldt, T. 1907 D, 643.
1909 A, 263 ("camptosauriden").
1912 A, 668.
Dollo, L. 1889 H, 679.
Gilmore, C. W. 1924 E, 43.
1925 A, 375.
1925 B, 400.
1927 B, 96.
Hennig, E. 1924 A, 129.
Hoernes, R. 1886 A, 616 (Camptonotidæ).
Hoffmann, C. K. 1890 B, 1313 (Camptonotidæ).
Huene, F. 1909 B, 16.
Koken, E. 1900 A, 464.
Lull, R. S. 1924 A, 238.
Matthew, W. D. 1915 C, 32.
Nopcsa, F. 1901 A, 262, 274, 275.
1901 B, 208, 210.
1917 A, 208.
1918 A, 187 ("camptosaurier").
1923 H, 108, 126 (Camptosaurinæ).
1928 A, 184 (Camptosaurinæ).
Romer, A. S. 1927 C, 226.
Williston, S. W. 1925 B, 295.
Zittel and Broili 1911 A, 289.
1923 A, 354.

CAMPTOSAURUS Marsh. Type *Camptonotus dispar* Marsh.

Hay, O. P. 1902 A, 501.
Abel, O. 1910 D, 6.
1912 F, 268.
1916 A, 471, 496, figs. 3, 8.
1919 A, 617, fig. 484.
1920 A, 387, fig. 603.
1922 A, 145.
1922 C, 358, fig. 308.
Anonymous 1880 A, 113 (Camptonotus).
Arthaber, G. 1910 A, 554.
Boas, J. E. V. 1914 B, 568, fig. 19.
Boule, M. 1902 B, 908, fig. 14.
Brauns, D. 1890 A, 187 (Camptonotus).
Case, E. C. 1898 C, 640.
Dames, W. 1883 C, 272 (Camptonotus).
Darton, N. H. 1908 A, 446.
Dollo, L. 1889 H, 679.
Eastman, C. R. 1913 B, 678.
Gadow, H. 1896 C, 205.
1901 B, 426.
Gilmore, C. W. 1907 A, 164, fig. 8.
1909 A, 199, 204, 266, 268, 301, figs. 2, 3, 7, 8.
1912 A, 687, fig. 3.
1913 A, 4.
1919 A, 111.
1924 G, 17, 21, 26.
1924 H, 3.
1925 A, 363.
1925 B, 385, 396.
Gregory, W. K. 1901 A, 145.
1920 A, 125.
Hay, O. P. 1909 A, 96.
1910 C, 4.
Heilmann, G. 1916 A, 86.
1926 A, 203, fig. 105.
Heilprin, A. 1887 A, 162 (Camptonotus).
Hoernes, R. 1886 A, 616 (Camptonotus).
Hoffmann, C. K. 1890 B, 1313 (Camptonotus).
Hooley, R. W. 1925 A, 4.
Huene, F. 1906 B, 151, fig. 94.
1908 B, 281, 360, 376.
1909 B, 16.
1914 C, 582, pl. xi, fig. 3.
1914 G, pl. vii.
Kingsley, J. S. 1925 A, 268, fig. 292.
Lebedinsky, N. G. 1913 A, 768.
1913 B, 197.
Loomis, F. B. 1901 A, 195.
Lull, R. S. 1910 A, 3.
1912 C, 674.
1917 A, 473.
1917 B, 507, 519, figs. 151, 159, 163.
1924 A, 238, 261, fig. 28.
Lydekker, R. 1913 A, 15 (Champtosaurus).
Matthew, W. D. 1910 D, 555.
1915 C, 76, 80, figs. 25, 26.
Moodie, R. L. 1917 B, 391.
1923 B, 245, pl. L, fig. 23.
Mook, C. C. 1916 A, 155.
Nopcsa, F. 1900 A, 560.
1901 A, 263, 275.
1902 C, 157, 168.
1903 B, 486.
1904 A, 234.
1905 A, 206.
1915 B, 16.
1917 A, 208 (Camptosaurus, Camptonotus).
1917 B, 341, 349.
1918 A, 186, 187.
1918 B, 239.
1923 D, 105.
1923 E, 1046.
1923 H, 108, 145.
1928 A, 184.

Osborn, H. F. 1917 B, 221, 222, fig.
1924 B, 4, 5, 10, 12, fig. 7.
Parks, W. A. 1926 A.
Peck, F. B. 1904 A, 32.
Pompeckj, J. F. 1920 A, 120.
1922 B, 88.
Rogers, A. F. 1924 A, 546.
Romer, A. S. 1927 C, 226, figs. 2, 7, 11, 20.
Schuchert, C. 1910 A, 582.
Seeley, H. G. 1888 G, 169, fig. (Camptonotus).
1892 D, 82.
Simpson, G. G. 1926 H, 205, 211.
Steiner, H. 1922 A, 347.
Steinmann, G. 1909 A, 79.
Tornier, G. 1913 B, 371.
Van den Broeck, E. 1900 A, 90.
Versluys, J. 1910 B, 223, fig. W.
1923 A, 9, fig. *b*.
Wieland, G. R. 1925 A, 602.
Williston, S. W. 1909 A, 397.
1925 A, 103, 164, 176, figs. 80, 132*b*.
1925 B, 295.
Zittel and Broili 1911 A, 289.
1923 A, 355.
Zittel, Eastman, etc. 1902 A, 238.

Camptosaurus amplus Marsh.

Hay, O. P. 1902 A, 501.
Gilmore, C. W. 1909 A, 276, pls. vii-ix, xvii; text-fig. 38.
Lull, R. S. 1924 A, 269.
Mook, C. C. 1916 A, 146.
Nopcsa, F. 1902 C, 152.
Upper Jurassic (Morrison); Wyoming.

Camptosaurus browni Gilmore.

Gilmore, C. W. 1909 A, 201, 230, 295, pl. vi; pl. xiv, fig. 3; text-figs. 14-19, 21, 23-27, 30.
Abel, O. 1919 A, 621, fig. 487.
Gilmore, C. W. 1912 B, 687, 688, pls. lv-lviii.
1914 A, 4.
1925 B, 388.
Heilmann, G. 1926 A, 151, fig. 108.
Lull, R. S. 1924 A, 269.
Moodie, R. L. 1923 B, 266, pl. L.
Mook, C. C. 1916 A, 147.
Nopcsa, F. 1918 A, 187, 190, 196.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Camptosaurus depressus Gilmore.

Gilmore, C. W. 1909 A, 292, figs. 45-47.
1914 A, 4, 114.
1915 A, 607.
1925 B, 391.
Mook, C. C. 1916 A, 147.
Nopcsa, F. 1918 A, 187, 196.
Simpson, G. G. 1926 H, 207.
Upper Cretaceous (Lakota); South Dakota, Wyoming.

Camptosaurus dispar Marsh.

Hay, O. P. 1902 A, 501.
Abel, O. 1919 A, 620, figs. 485, 486, 488, 489.
Gilmore, C. W. 1909 A, 198, 205, 269, pls. x-xiv, fig. 1; pls. xv, xviii; text-figs. 4, 5, 10-12, 20, 22, 28, 29, 32-37.
1912 B, 688, figs. 1, 4.
1914 A, 4, 88.
1915 A, 600.
1925 B, 388.
Hay, O. P. 1909 F, 94.
Heilmann, G. 1926 A, 153, figs. 109, 110, 116.
Lull, R. S. 1924 A, 269.
Mook, C. C. 1916 A, 145.
Nopcsa, F. 1902 C, 152.
1918 A, 187, 195, fig. 8.
Schuchert, C. 1918 B, 253.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Camptosaurus medius Marsh.

Hay, O. P. 1902 A, 501.
Abel, O. 1919 A, 624, fig. 490.
Gilmore, C. W. 1909 A, 213, 258, 278, pl. xvi; text-figs. 6, 9, 31.
1914 A, 4, 25.
1925 B, 385, 406, pl. xviii; text-figs. 1, 2.
Heilmann, G. 1926 A, 45, figs. 106, 107.
Mook, C. C. 1916 A, 146.
Nopcsa, F. 1902 A, 152, fig. 7.
1904 A, 237.
1918 A, 187, fig. 7.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming, Colorado.

Camptosaurus nanus Marsh.

Hay, O. P. 1902 A, 501.
Abel, O. 1919 A, 618, fig. 483.
1922 C, 433, fig. 361.
Gilmore, C. W. 1909 A, 198, 227, 280, pl. xiv, fig. 2; pl. xix; text-figs. 39-42.
1912 B, 687, 694, pls. lix-lxi.
1914 A, 4.
1924 G, 33, 36.
1925 B, 390.
Heilmann, G. 1926 A, 176, fig. 127.
Lull, R. S. 1924 A, 269.
Merrill, G. P. 1907 A, 65.
Mook, C. C. 1916 A, 146.
Nopcsa, F. 1902 C, 152.
1918 A, 187.
Osborn, H. F. 1915 A, 298.
Simpson, G. G. 1926 H, 207.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

LAOSAURIDÆ Marsh.

Marsh, O. C. 1895 C, 497.
Hay, O. P. 1902 A, 501 (Camptosauridæ, in part).
Abel, O. 1919 A, 617 (Laosaurinæ).
Gilmore, C. W. 1909 A, 267.
1915 A, 614.
Gilmore, C. W. 1925 B, 400.
Koken, E. 1900 A, 464.
Osborn, H. F. 1923 D, 9.
Romer, A. S. 1927 C, 226.
Williston, S. W. 1925 B, 295.

LAOSAURUS Marsh. Type *L. celer* Marsh.

Hay, O. P. 1902 A, 501.
Abel, O. 1919 A, 617.
Beddard, F. E. 1898 A, 155.
Brauns, D. 1890 A, 187.
Dames, W. 1883 C, 272.
Darton, N. H. 1908 A, 446.
Dollo, L. 1889 H, 679.
Du Toit, P. J. 1913 A, 248.
Gadow, H. 1896 C, 205.
1901 B, 427.
Gilmore, C. W. 1909 A, 216.
1915 A, 614.
1924 H, 1.
1925 B, 395.
Hay, O. P. 1910 C, 4.
Heilprin, A. 1887 A, 162.
Hoernes, R. 1886 A, 616.
Hooley, R. W. 1925 A, 8.
Huene, F. 1906 B, 151, fig. 93.
1908 B, 273, 361.
1909 B, 16.
1914 G, 41, pl. vii.
Huene and Lull 1908 A, 140.
Huxley, T. H. 1879 A, 400, pl. viii, fig. 8.
Johnson, A. 1883 A, 408.
Lebedinsky, N. G. 1913 A, 768.
1913 B, 197.
Lull, R. S. 1910 A, 3, 11.
1915 C, 330.
1917 A, 473.
1917 B, 519.
Mudge, B. F. 1879 A, 226.
Nopcsa, F. 1901 A, 263.
1902 C, 168.
1904 A, 235.
1917 A, 208.
1917 B, 349.
1918 B, 239.
1928 A, 184.
Peck, F. B. 1904 A, 32.
Romer, A. S. 1927 C, 226, 241, figs. 7, 11.
Seeley, H. G. 1887 E, 211.
Simpson, G. G. 1926 H, 205.
Tornier, G. 1913 B, 371.
Williston, S. W. 1925 B, 295.
Zittel and Broili 1911 A, 289.
1923 A, 354.

Laosaurus celer Marsh.

Hay, O. P. 1902 A, 501.
Gilmore, C. W. 1924 H, 5.
1925 B, 403.
Mook, C. C. 1916 A, 146.
Nopcsa, F. 1902 C, 153.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Laosaurus consors Marsh.

Hay, O. P. 1902 A, 501.
Gilmore, C. W. 1924 H, 2.
1925 B, 396, 403.
Gregory, W. K. 1927 C, 175, fig. 5.
Huene, F. 1908 B, 273.
Huene and Lull 1908 A, 140.
Mook, C. C. 1916 A, 146.
Nopcsa, F. 1902 C, 153, fig. 5.
Simpson, G. G. 1926 E, 3 (This genus?).
Talbot, M. 1911 A, 475.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Laosaurus gracilis Marsh.

Hay, O. P. 1902 A, 501.
Gilmore, C. W. 1909 B, 39, 40, fig. 2.
1914 A, 25.
1924 H, 5.
1925 B, 396, 403, figs. 7, 8.
Mook, C. C. 1916 A, 146.
Nopcsa, F. 1902 C, 153.
Simpson, G. G. 1926 E, 3.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Laosaurus minimus Gilmore.

Gilmore, C. W. 1924 H, 1, pls. i, ii.
Lower Cretaceous (Blairmore); Alberta.

DRYOSAURUS Marsh. Type *Laosaurus altus* Marsh.

Hay, O. P. 1902 A, 501.
Clark, Bibbins, and Berry 1911 A, 67.
Darton, N. H. 1908 A, 446.
Gilmore, C. W. 1909 A, 216.
1915 A, 614.
1925 B, 394.
Huene, F. 1909 B, 16.
1914 G, 41.
Lebedinsky, N. G. 1913 A, 768.
1913 B, 197.
Lull, R. S. 1904 A, 471.
1910 A, 18, 29.
1911 A, 175.
1924 A, 239.
Mook, C. C. 1916 A, 153.
Nopcsa, F. 1901 A, 263.
1902 C, 163.
1928 A, 184.
Pompeckj, J. F. 1920 A, 126.
Romer, A. S. 1927 C, 226, fig. 2.

Dryosaurus altus Marsh.

Hay, O. P. 1902 A, 501.
Eisler, P. 1895 A, 53 (Laosaurus).
Gilmore, C. W. 1909 A, 198.
1914 A, 4.
1924 H, 3.
1925 B, 394, figs. 3-6.
Heilmann, G. 1926 A, 23, fig. 12.
Lull, R. S. 1911 B, 176.
Mook, C. C. 1916 A, 147.
Nopcsa, F. 1902 C, 152.
Simpson, G. G. 1926 E, 3.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado, Wyoming.

HYPSILOPHODONTIDÆ.

Abel, O. 1919 A, 617 (Hypsilophodontinæ).
1920 A, 386.
1922 C, 376, figs. 321-324 (Hypsilophodon).
Gilmore, C. W. 1915 A, 614.
1927 B, 96.
Günther, A. 1886 A, 443.
Hulke, J. W. 1873 A, 522, pl. xviii (Hypsilophodon).
1874 A, 18, pl. iii (Hypsilophodon).
1883 B, 1035, pls. lxxi-lxxxii (Hypsilophodon).
Huxley, T. H. 1870 E, 3, pls. i, ii (Hypsilophodon).
Lydekker, R. 1888 B, 193 (Hypsilophodon).
Marsh, O. C. 1895 C, 498, pl. x, fig. 9.
1896 A, 6, figs. 2, 3 (Hypsilophodon).
1896 C, 244 (Hypsilophodon).
Nicholson and Lydekker 1889 A, 1159 (Hypsilophodon).
Nopcsa, F. 1901 A, 262.
1901 B, 208, 209.
1928 A, 184 (Hypsilophodontinæ).
Owen, R. 1873 B, 531 (Iguanodon).
Parks, W. A. 1926 A (Hypsilophodontidæ).
Pompeckj, J. F. 1920 A, 120 (Hypsilophodon).
Romer, A. S. 1927 C, 226.
Zittel, K. A. 1890 A, 756 (Hypsilophodon).
Zittel and Broili 1911 A, 289.
1923 A, 354.

THESCELOSAURUS Gilmore. Type *T. neglectus* Gilmore.

Gilmore, C. W. 1913 A.
Abel, O. 1916 A, 471, fig. 3.
1920 A, 387, fig. 603.
1922 C, 358, fig. 308.
Gilmore, C. W. 1914 A, 66.
1915 A, 591.
1915 D, 411, 488.
1920 C, 274.
1924 G, 33.
1924 H, 3.
1925 B, 408.
Lull, R. S. 1924 A, 238.
Matthew, W. D. 1915 C, 81.
Nopcsa, F. 1923 E, 1046.
1923 H, 108 (Thescelesaurus).
1928 A, 184.
Osborn, H. F. 1924 B, 4, 5, 10, 12, fig. 7.
Parks, W. A. 1928 A, 15.
Romer, A. S. 1927 C, 226, figs. 2, 7, 11, 14-18.
Steiner, H. 1922 A, 347.
Williston, S. W. 1925 A, 175, 191, figs. 141, 156.
Zittel and Broili 1923 A, 354.

Thescelosaurus neglectus Gilmore.

Gilmore, C. W. 1913 A, 1, figs. 1-5.
Bowen, C. F. 1915 A, 136.
Brown, B. 1914 E, 358.
Collier, A. J. 1918 A, 32.
Gilmore, C. W. 1915 A, 591, pls. lxxix-lxxxi; text-figs. 1-19.
1920 C, 274, pl. iii.
1924 A, 68.
1924 D, 27.
1925 B, 388.
1926 I, 280, fig. 1 ("Thescelosaurus").
Parks, W. A. 1926 A.
Shufeldt, R. W. 1916 B, 42, fig. 7.
Sternberg, C. M. 1924 A, 68.
Upper Cretaceous (Lance); Wyoming, Montana, Saskatchewan.

Thescelosaurus warreni Parks.

Parks, W. A. 1926 A, 3-42, pls. i, ii; text-figs. 1-18.
Huene, F. 1927 G, 281.
Upper Cretaceous (Edmonton); Alberta.

Thescelosaurus sp. indet.

Sternberg, C. M. 1926 A, 103. Upper Cretaceous (Edmonton); Alberta.

TROÖDONTIDÆ *Gilmore.*

Gilmore, C. W. 1924 G, 8.
Lambe, L. M. 1918 A, 32, 35 (Psalisauridæ).
Lull, R. S. 1924 A, 238.
Nopcsa, F. 1928 A, 185 (Acanthopholidæ).
Romer, A. S. 1927 C, 226.

TROÖDON Leidy. Type *T. formosus* Leidy.

Hay, O. P. 1902 A, 490.
Gilmore, C. W. 1923 B, 52.
1924 G (Troödon; Stegoceras a syn.).
Hatcher, J. B. 1907 A, 97, 299, pl. xxii.
Hennig, E. 1924 A, 125, 126, 153 (Stegoceras).
Huene, F. 1909 B, 17 (Troödon); 18 (Stegoceras).
Lambe, L. M. 1902 A, 68 (Stegoceras, type S. *validus* Lambe).
1903 A, 60 (Stegoceras).
1904 C, 23 (Stegoceras).
1912 A, 9 (Stegoceras).
1918 A, 23, 33 (Stegoceras).
Lull, R. S. 1924 A, 236, 238, 260, 273.
Nopcsa, F. 1901 A, 255.
1902 B, 106.
Nopcsa, F. 1903 D, 266 (Stegoceras).
1915 B, 13, 19 (Stegoceras).
1917 A, 210 (Troödon); 211 (Stegoceras).
1918 C, 326 (Stegoceras).
1923 H, 105 (Stegoceras).
Osborn, H. F. 1902 H, 675 (Stegoceras).
1902 I, 21 (Stegoceras).
1923 D, 3 (Stegoceras).
1924 B, 5, 10.
Romer, A. S. 1927 C, 226, figs. 3, 4, 8.
Zittel and Broili 1923 A, 362 (Syn. of Ankylosaurus).

Troödon brevis (Lambe).

Lambe, L. M. 1918 A, 35 (Stegoceras).
Gilmore, C. W. 1924 G, 10, 12 (Syn.? of T. validus).

Lambe, L. M. 1902 A, 68, pl. xxi, figs. 3-5 ("Stegoceras validus").
Upper Cretaceous (Belly River); Alberta.

Troödon formosus Leidy.

Hay, O. P. 1902 A, 490.
Bowen, C. F. 1915 A, 130, 148-150.
Brown, B. 1908 B, 192, fig. 8.
1914 E, 378.
Gilmore, C. W. 1924 G, 8, 38.
1927 G, 1.
Hatcher, J. B. 1905 B, 83.
Hay, O. P. 1910 B, 299.
Hennig, E. 1924 A, 115.
Lambe, L. M. 1904 C, 25, 37, 49.
1915 B, 120 (This species?).
Matthew, W. D. 1916 A, 484.
Osborn, H. F. 1902 H, 674.
1902 I, 12, 17.
Peale, A. C. 1912 A, 754.
Upper Cretaceous (Judith River); Montana: (Belly River); Alberta: (Lance?); Wyoming?

Troödon validus (Lambe).

Lambe, L. M. 1902 A, 68, pl. xxi, figs. 1, 2; not figs. 3-5 (Stegoceras).
Bowen, C. F. 1915 A, 140 (Stegoceras).
Brown, B. 1914 E, 378 (Stegoceras).
Gilmore, C. W. 1924 G, 1, 11, pls. i-xv; text-figs. 1-3.
Hatcher, J. B. 1905 B, 95 (Stegoceras).
1907 A, 98, 299, figs. 99, 100 (Stegoceras).
Lambe, L. M. 1902 A, 47 (Troödon formosus).
1904 C, 24, 37, 49 (Stegoceras).
1907 B, 179 (Stegoceras).
1918 A, 25, 32, 35, pls. i, ii (Stegoceras).
Lull, R. S. 1907 B, 299, pl. xxii; text-figs. 99, 100 (Stegoceras).
Matthew, W. D. 1916 A, 484 (Stegoceras).
Osborn, H. F. 1902 I, 15 (Stegoceras).
Upper Cretaceous (Belly River); Alberta.

Troödon sp. indet.

Sternberg, C. M. 1926 A, 104. Upper Cretaceous (Edmonton); Alberta.

HADROSAURIDÆ Cope.

Unless otherwise indicated the authors quoted use the family name Trachodontidæ.
Cope, E. D. 1869 M, 91 (Hadrosauridæ).
Hay, O. P. 1902 A, 503.
Abel, O. 1919 A, 632 (Trachodontidæ); 636 (Trachodontinæ).
1924 A, 713 ("trachodonten").
Arldt, T. 1907 D, 271, 333 (Hadrosauridæ).
1909 A, 263 ("trachodontiden").
Brown, B. 1907 A, 841.
1908 C, 51 ("trachodonts").
1910 A, 273.
1912 B, 135.
1913 B, 395.
1914 A, 545.
1914 C, 559, 563, 564.
1914 E, 377.
1917 A, 282, 290.
Cope, E. D. 1891 N, 43.
Dames, W. 1883 C, 272.
Douglass, E. 1902 C, 220 (Claosauridæ).
Gilmore, C. W. 1917 A, 38.
1920 A, 63.
1924 C, 18.
1924 E, 42.
1927 B, 96.
Günther, A. 1886 A, 443.
Hatcher, J. B. 1902 C, 377, 384 (Syn. of Iguanodontidæ).
1903 D, 374.
1907 A, 300.
Heilmann, G. 1926 A, 145.
Hennig, E. 1924 A, 129.
Henning, C. L. 1914 A, 771 ("trachodontiden").
Hoernes, R. 1886 A, 618 (Hadrosauridæ).
Hoffman, C. K. 1890 B, 1315.
Huene, F. 1909 B, 16.
1914 A, 145.
1914 G, pl. vii.
Jaekel, O. 1914 A, 197 ("hadrosauriden").
Koken, E. 1900 A, 464 (Hadrosauridæ, Claosauridæ).
Lambe, L. M. 1912 A, 9.
Lambe, L. M. 1917 C, 67 (Hadrosauridæ).
1918 C, 135 (Hadrosauridæ).
1920 A, 1, 67.
Lull, R. S. 1907 B, 300.
1912 A, 210.
1924 A, 240, 262.
Lydekker, R. 1908 B, 545.
Matthew, W. D. 1914 B, 387.
1915 A, 278.
1915 C, 32, 82.
1921 D, 211.
Nopcsa, F. 1900 A, 556 ("hadrosauriden").
1901 A, 262, 265, 275 (Hadrosauridæ).
1904 A, 237 (Hadrosauridæ).
1915 B, 217.
1917 A, 207.
1918 A, 187.
1918 B, 236.
1922 A, 115.
1923 D, 105, 112.
1923 G, 111 ("trachodontiden").
1923 H, 107-109, 145, 149, 172, 175.
1928 A, 184.
Parks, W. A. 1920 B, 9.
1923 B, 5.
Pompeckj, J. F. 1922 B, 90 ("trachodontiden").
Romer, A. S. 1927 C, 226, 235 (Hadrosauridæ, Trachodontidæ).
Sternberg, C. M. 1921 A, 63.
1925 A, 108.
1926 B, 74.
1927 B, 143.
Van den Broeck, E. 1900 A, 87 (Hadrosauridæ); 101 (Trachodontidæ).
Van Straelen, V. 1925 A, 3 ("eggs of duckbilled? dinosaur").
Versluys, J. 1910 B, 233 (Hadrosauridæ).
1923 A, 10 ("trachodonten").
Williston, S. W. 1925 A, 95, 100, 176, 189 (Trachodontia, Trachodontidæ).
1925 B, 295.
Zittel and Broili 1911 A, 291.
1923 A, 357.

HADROSAURINÆ Lambe.

Lambe, L. M. 1918 C, 138.
Brown, B. 1914 C, 564 (Trachodontinæ).
Gilmore, C. W. 1920 A, 64.
1924 C, 16, 26.
1924 E, 34, 40.
Lambe, L. M. 1920 A, 67.
Lydekker, R. 1915 C, 630 (Trachodontinæ).
Nopcsa, F. 1917 A, 208 (Trachodontidæ).
1923 H, 126 (Trachodontinæ).
1928 A, 184 (Trachodontinæ).
Parks, W. A. 1920 B, 8 (Trachodontinæ).
1923 B, 6.
Sternberg, C. M. 1926 B, 77.
Tornier, G. 1913 B, 372 (Trachodontinæ).

HADROSAURUS Leidy. Type *H. foulkii* Leidy.

Leidy, J. 1858 A, 215.
Hay, O. P. 1902 A, 503 (Trachodon, part).
Anonymous 1868 A, 8.
Brauns, D. 1890 A, 187.
Dames, W. 1883 C, 272.
Gilmore, C. W. 1920 A, 64.
Hoffmann, C. K. 1890 B, 1315.
Holmes, F. S. 1870 A, 31.
Huxley, T. H. 1868 D, 309.
1869 K, 146.
1870 G, 470, 472.
1870 H, 491.
1875 E, 81.
Lambe, L. M. 1918 C, 135.
Lull, R. S. 1918 B, 205.
1924 A, 241.
Matthew, W. D. 1915 C, 100.
Nat. Sci. 1898 A, 230.
Newberry, J. S. 1878 C, 647.
Nopcsa, F. 1917 A, 208.
1918 A, 187.
1928 A, 184.
Parks, W. A. 1920 B.
Reynolds, S. H. 1897 A, 284.
Romer, A. S. 1927 C, 226.
Seeley, H. G. 1887 E, 210.
Sternberg, C. M. 1921 B, 97.
Wieland, G. R. 1925 A, 603 ("hadrosaurs").
Williston, S. W. 1925 B, 295.
See also citations under *Trachodon*.

Hadrosaurus cavatus Cope.

Hay, O. P. 1902 A, 503 (Trachodon).
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1902 C, 380, 385 (Trachodon).
Nopcsa, F. 1900 A, 557.
Upper Cretaceous (Hornerstown); New Jersey.

Hadrosaurus foulkii Leidy.

Hay, O. P. 1902 A, 503 (Trachodon).
Abel, O. 1922 A, 134 (H. foulkei).
Anonymous 1868 A, 7.
1922 C, 382, fig. ("Hadrosaurus").
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1902 C, 378.
Hawkins, B. W. 1871 A, 182 ("Hadrosaurus").
Lucas, F. A. 1904 C, 319.
Nopcsa, F. 1900 A, 556.
1904 A, 237.
Osborn, H. F. 1902 I, 19.
Ruschenberger and Tryon 1879 A, 90, 92 (Trachodon).
Scott, W. B. 1924 A, 438 ("dinosaur").
Versluys, J. 1923 A, 9 (H. foulki).
Zittel and Broili 1911 A, 292, fig. 440 (Trachodon).
1923 A, 358, fig. 468 (H. fulkei).
Zittel, Eastman, etc. 1902 A, 240, fig. 344 (Trachodon).
Upper Cretaceous; New Jersey.

Hadrosaurus minor Marsh.

Hay, O. P. 1902 A, 504 (Trachodon).
Cope, E. D. 1872 QQ, 2.
1873 FF, 8.
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1902 C, 380, 385.
Nopcsa, F. 1900 A, 557.
Upper Cretaceous (Hornerstown); New Jersey.

Hadrosaurus tripos Cope.

Hay, O. P. 1902 A, 504 (Trachodon.)
Dall and Harris 1892 A, 85.
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1902 C, 380, 385.
Nopcsa, F. 1900 A, 557.
Stephenson, L. W. 1912 A, 120 (Trachodon. This species?).
Upper Cretaceous (Black Creek); North Carolina.

TRACHODON Leidy. Type *T. mirabilis* Leidy.

Hay, O. P. 1902 A, 503.
Abel, O. 1912 F, 494, 705.
1916 A, 470, 496, figs. 1-3, 8.
1919 A, 636, fig. 503.
1920 A, 387, 393, fig. 603.
Bach, R. 1914 A, 347.
Beecher, C. E. 1902 A, 313, fig. 2 (Hadrosaurus).
Broili, F. 1922 A, 465, figs. 1-5.
Brown, B. 1908 C, 51, 4 figs.
1910 A, 273.
1912 A, 106, fig. 1.
1912 B, 131.
1913 B, 396.
Brown, B. 1913 E, 926.
1914 A, 548, pls. xxxvi, xxxvii.
1914 C, 559, 564.
1914 E, 374, 377.
1916 B, 712, pl. xxii, fig. 2.
Campbell, M. R. 1915 A, 74.
Case, E. C. 1898 C, 643 (Hadrosaurus).
Cope, E. D. 1880 U, 147 (Hadrosaurus, Diclonius).
Cross, M. 1896 A, 218 (Diclonius).
Dollo, L. 1889 G, 675 (Hadrosaurus).
1909 A, 106.
Drevermann, F. 1922 B, 91.

Eastman, C. R. 1913 B, 678 (Trachydon).
Gadow, H. 1896 C, 205 (Hadrosaurus).
1901 B, 429 (Hadrosaurus).
Gill, T. 1901 B, 788 (Hadrosaurus).
Gilmore, C. W. 1909 A, 246.
1914 A, 66.
1915 C, 58.
1915 F, 658.
1917 A.
1919 A, 111.
1920 C, 272.
1924 C, 13.
1927 A, 35, fig.
Gregory, W. K. 1901 A, 143 (Hadrosaurus).
1920 A, 127.
Gregory and Camp 1918 A, 530.
Hatcher, J. B. 1902 C, 377, 386 (Hadrosaurus, Trachodon).
1905 B, 96 (Trachodon); 99 (Diclonius).
1907 A, 91, 300, pl. i; text-figs. 94, 95.
Hay, O. P. 1908 E, 357.
1910 C, 4.
Heilmann, G. 1913 B, 41, fig. 86.
1916 A, 85.
1926 A, 207, figs. 107, 116.
Heilprin, A. 1887 A, 169 (Hadrosaurus).
Hennig, E. 1912 B, 99.
Henning, C. L. 1914 A, 771.
Hoernes, R. 1886 A, 618 (Hadrosaurus).
Huene, F. 1909 B, 16 (Trachodon, Diclonius).
1912 G, 143.
1914 C, 583, pl. xii, fig. 2.
Jaekel, O. 1922 A, 91.
Janensch, W. 1925 B, 272.
Knowlton, F. H. 1909 A, 232.
Kräusel, R. 1922 A, 80.
Lambe, L. M. 1899 B, 186.
1903 B, 137.
1913 A, 21, pls. i-iii.
1914 B, pl. xvii.
1914 G, 384.
1917 B, 31.
1918 C, 135.
1920 A, 68, fig. 37 (Diclonius).
Lee, W. T. 1913 A, 532.
Lucas, F. A. 1904 C, 317.
Lull, R. S. 1903 A, 694.
1907 B, 300.
1910 A, 311.
1912 C, 675.
1914 D, 357.
1915 F, 836, 905.
1917 B, 297, 521.
1924 A, 240, 273, figs. 29, 34.
Lydekker, R. 1910 D, 459 (Hadrosaurus).
1913 A, 15.
1914 A, 640.
Matthew, W. D. 1907 D, 6 (Claosaurus).
1908 F, 89.
1909 F, 68.
1910 D, 550.
1910 F, 8.
1915 C, 28, 31, 80, figs. 27-30, 32.
1917 F, 419.
1920 D, 542.
Matthew and Brown 1915 A, 428.
Moodie, R. L. 1928 C, 1.
Nopcsa, F. 1900 A, 563 (Hadrosaurus).
1901 A, 266 (Hadrosaurus).
1901 B, 213 (Syn. of Hadrosaurus).
1902 C, 161, 168 (Hadrosaurus).
1904 A, 236, 237.
1905 A, 206.
1905 C, 292.
1917 A, 208.
1917 B, 344, 349.
1918 A, 186, 190.
1918 B, 236, 239.
1923 H, 106, 107.
1925 B, 11.
1928 A, 184.
Osborn, H. F. 1902 I, 9.
1909 A, 197.
1909 C, 160.
1912 G, 233, fig. 1.
1912 J, 18, fig. 13.
1912 K.
1917 B, 322, figs.
1924 B, 4, 5, 12, fig. 7.
Parks, W. A. 1920 B.
Pompeckj, J. F. 1921 A, 7.
1922 B, 87.
Rogers, A. F. 1924 A, 546.
Romer, A. S. 1927 C, 226, figs. 2, 7, 11, 20.
Schuchert, C. 1910 A, 596.
Schwarz, E. 1922 C, 91.
Seeley, H. G. 1888 G, 170 (Diclonius).
Seitz, A. L. L. 1907 A, 347.
Stanton, T. W. 1909 A.
1910 A, 64.
Stanton and Hatcher 1905 A, 38, 51, 54, 57, 59.
Steinmann, G. 1909 A, 79.
Sternberg, C. H. 1903 C, 871 (Diclonius).
1909 A, 116.
1909 C, 77 (Diclonius).
1911 A, 72.
1911 B, 219, 221, 222.
1917 A.
Sternberg, C. M. 1926 A, 104.
Tornier, G. 1913 B, 372.
Vallois, H. V. 1921 A, 973.
Van den Broeck, E. 1900 A, 102 (Hadrosaurus).
Versluys, J. 1910 B, 222 (Diclonius).
1922 A, 80, figs. 1-6.
1923 A, 1, fig. *a*.
Wegemann, C. H. 1918 A, 57.
Wegner, R. N. 1922 A, 480.
Whiteaves, J. F. 1901 A, 186.
Whitnal, H. O. 1925 A, 17, pl. iii.
Wieland, G. R. 1925 A, 602.
Williston, S. W. 1909 E, 194 (Hadrosaurus).
1925 A, 149, 175, 191, 197, figs. 122, 141, 156.
1925 B, 295.
Zittel and Broili 1911 A, 291.
1923 A, 358, fig. 470.
Zittel, Eastman, etc. 1902 A, 240.

Trachodon altidens Lambe.

Lambe, L. M. 1902 A, 76, pl. iv, figs. 2-4 [T. (Pteropelyx)].
Bowen, C. F. 1915 A, 142.
Brown, B. 1914 E, 379.
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1905 B, 98.

Lambe, L. M. 1904 C, 24, 37, 49.
1912 A, 10.
1917 A, 121.
Matthew, W. D. 1916 A, 484.
Osborn, H. F. 1902 H, 675 [Pteropelyx (Didanodon)].
1902 I, 15 (Trachodon); 19 [Pteropelyx (Didanodon, new subg.)].
Upper Cretaceous (Belly River); Alberta.

Trachodon breviceps Marsh.

Hay, O. P. 1902 A, 503.
Bowen, C. F. 1915 A, 140, 151.
Gilmore, C. W. 1924 C, 26 (Hadrosaurus).
Hatcher, J. B. 1902 C, 382, 385 [T. (Hadrosaurus)].
1905 B, 97, 98.
Nopcsa, F. 1900 A, 557 (Hadrosaurus).
1901 A, 266 (Hadrosaurus).
1901 B, 212 (Hadrosaurus).
Osborn, H. F. 1902 I, 15.
Zittel and Broili 1911 A, 292, fig. 441.
1923 A, 358.
Zittel, Eastman, etc. 1902 A, 241, fig. 345.
Upper Cretaceous (Judith River); Montana.

Trachodon calamarius (Cope).

Hay, O. P. 1902 A, 503.
Bowen, C. F. 1915 A, 142, 150 (Diclonius).
Gilmore, C. W. 1924 C, 26 (Diclonius).
Hatcher, J. B. 1902 C, 381, 385 (Diclonius).
1905 B, 99 (Diclonius).
Lambe, L. M. 1918 C, 138 (Diclonius).
Nopcsa, F. 1901 B, 212 (Hadrosaurus calamarinus).
Osborn, H. F. 1902 I, 15 (Diclonius).
Sternberg, C. H. 1914 A, 134 (Diclonius).
Upper Cretaceous (Judith River); Montana.

Trachodon longiceps Marsh.

Hay, O. P. 1902 A, 504.
Bowen, C. F. 1915 A, 142.
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1902 C, 378, 383, 385.
1907 A, 117.
Nopcsa, F. 1900 A, 557 (Hadrosaurus).
1901 B, 212 (Hadrosaurus).
Osborn, H. F. 1902 I, 15.
Upper Cretaceous (Lance); Wyoming.

Trachodon mirabilis Leidy.

Hay, O. P. 1902 A, 504.
Abel, O. 1912 F, 494, fig. 395.
1919 A, 636, fig. 502.
1922 A, 135 (Hadrosaurus).
Ballou, W. H. 1897 A, 19, fig. (Hadrosaurus).
Boule, M. 1891 A, 15, fig. 2 (Hadrosaurus).
Bowen, C. F. 1915 A, 140, 148, 150.
Brown, B. 1913 B, 404, figs. 7a, 8a.
1914 E, 358.
1916 B, 713.
1919 A, 408, 411 ("Trachodon").
Cope, E. D. 1891 N, 44, fig. 22 (Diclonius).
Gadow, H. 1901 B, 429 (Hadrosaurus).
Gilmore, C. W. 1915 F, 658.
1917 A.
1924 C, 19, 25 (Diclonius); 26 (Trachodon).
1924 E, 30 (This species?).
Hatcher, J. B. 1902 C, 377, 384, 386.
1905 B, 96, 98.
1907 A, 4, fig. 1.
Hay, O. P. 1910 C, 15 (Hadrosaurus).
Heilmann, G. 1913 B, 42, figs. 83-85.
Hooley, R. W. 1925 A, 4.
Huene, F. 1914 C, pl. xi, fig. 4; pl. xii, fig. 1.
Lambe, L. M. 1899 B, 184, 186.
1902 A, 77.
1917 C, 66 (Diclonius).
1918 C, 135.
1920 A, 66 (Diclonius).
Lull, R. S. 1908 B, 397, fig. 9.
Matthew, W. D. 1903 F, 4 (Diclonius).
1921 B, 187 ("Trachodon").
Nopcsa, F. 1900 A, 556, 563 (Hadrosaurus).
1901 B, 212 (Hadrosaurus).
1902 C, 168, fig. 9 (Hadrosaurus).
1904 A, 237.
1918 A, 188, figs. 5, 11.
Osborn, H. F. 1902 I, 15, 19.
1904 F, 19, 46 (Hadrosaurus).
1909 C, 160, figs. 1, 2.
1912 K, 34, pl. x.
Parks, W. A. 1922 B, 20, 25, 27.
Peale, A. C. 1912 A, 754.
Seeley, H. G. 1888 I, 239 (Diclonius).
Stanton and Hatcher 1905 A, 43, 50.
Sternberg, C. H. 1909 C, 275, fig. 46.
1914 A, 134.
1915 A, 133.
1917 A, 118.
Sternberg, C. M. 1926 B, 73.
1927 A, 67.
Tornier, G. 1913 B, 372.
Versluys, J. 1923 A, 6 (Diclonius).
Whiteaves, J. F. 1901 A, 184, 186.
Zittel and Broili 1911 A, 292, fig. 439.
1923 A, 357, fig. 467.
Zittel, Eastman, etc. 1902 A, 240, fig. 343.
Upper Cretaceous (Judith River); Montana: (Belly River); Alberta: (Lance); Wyoming.

Trachodon pentagonus (Cope).

Hay, O. P. 1902 A, 504.
Bowen, C. F. 1915 A, 142, 150 (Diclonius).
Gilmore, C. W. 1924 C, 26 (Diclonius).
Hatcher, J. B. 1902 C, 381, 385 (Diclonius).
1905 B, 99 (Diclonius).
Lambe, L. M. 1918 C, 138 (Diclonius).
Nopcsa, F. 1900 A, 557 (Diclonius. Syn. of Hadrosaurus breviceps).
Osborn, H. F. 1902 I, 15 (Diclonius).
Sternberg, C. H. 1914 A, 134 (Diclonius).
Upper Cretaceous (Judith River); Montana.

Trachodon perangulatus (Cope).

Hay, O. P. 1902 A, 504.
Bowen, C. F. 1915 A, 142, 150 (Diclonius).
Gilmore, C. W. 1924 C, 26 (Diclonius).
Hatcher, J. B. 1902 C, 381-385 (Diclonius).
1905 B, 99.
Lambe, L. M. 1908 C, 138 (Diclonius).
Nopcsa, F. 1901 B, 212 (Hadrosaurus).
Osborn, H. F. 1902 I, 15 (Diclonius).
Sternberg, C. H. 1914 A, 134 (Diclonius).
Upper Cretaceous (Judith River); Montana.

Trachodon selwyni Lambe.

Lambe, L. M. 1902 A, 69, pl. iii, figs. 2, 3 [T. (Pteropelyx)].
Abel, O. 1912 F, 493, fig. 376.
Bowen, C. F. 1915 A, 142, 151.
Brown, B. 1914 E, 379.
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1905 B, 97, 98.
Lambe, L. M. 1904 C, 24, 37, 49.
1912 A, 9.
1914 C, 148 (Gryposaurus?).
Matthew, W. D. 1916 A, 484.
Osborn, H. F. 1902 H, 675.
1902 I, 15, 19.
Upper Cretaceous (Belly River); Alberta.

Trachodon sp. indet.

Anonymous 1914 A, 384.
Bowen, C. F. 1915 A, 142.
Brown, B. 1907 A, 842.
Gilmore, C. W. 1922 E, 360 ("Trachodon." This genus?).
1926 J, 28. Upper Cretaceous (Lance); Wyoming.
Stanton, T. W. 1910 B, 183. Upper Cretaceous (Hell Creek); Montana.
Williston, S. W. 1907 B, 53 (Claosaurus). Cretaceous (Rattlesnake); Texas.
Wrather, W. E. 1922 A, 354, figs. 1-5 ("dinosaur"). Lower Cretaceous (Glenrose); Texas.

THESPESIUS Leidy. Type *T. occidentalis* Leidy.

Hay, O. P. 1902 A, 502.
Abel, O. 1919 A, 637 (Claosaurus).
1922 A, 135 (Trachodon).
1922 C, 339.
Beecher, C. E. 1902 A, 313.
Gilmore, C. W. 1909 A, 267.
1915 F, 659.
1920 C, 272 (Trachodon).
1924 C, 13.
1924 F, 53.
1925 B, 408.
Hatcher, J. B. 1901 A, 129 (Claosaurus).
Lambe, L. M. 1920 A, 67, 68 (Claosaurus).
Lucas, F. A. 1901 F, 490, pl. vii.
1901 J, 44, 132, fig. 18.
1902 B, 149, fig.; 204, fig.
1902 C, 642, 646, pl. ii.
Nopcsa, F. 1901 A, 267 (Syn. of Hadrosaurus).
1901 B, 213 (Syn. of Hadrosaurus).
1928 A, 184.
Parks, W. A. 1920 B (Claosaurus).
Sternberg, C. M. 1926 A, 104.
1926 B, 74.
Whiteaves, J. F. 1901 A, 186.

Thespesius edmontoni Gilmore.

Gilmore, C. W. 1924 C, 14, pls. ii-v; text-figs. 6, 7.
1924 E, 34.
Lambe, L. M. 1913 A, 21-25, pls. ii, iii (Trachodon marginatus).
1914 B, 135, pl. xvii (Trachodon marginatus?).
Sternberg, C. H. 1918 A, 205 ("Trachodon").
Sternberg, C. M. 1926 A, 104.
1926 B, 78, 82.
Upper Cretaceous (Edmonton); Alberta.

Thespesius occidentalis Leidy.

In order to save space, names are contracted below, *Cla. ann.* for *Claosaurus annectens*, *Thes. occ.* for *Thespesius occidentalis*, and *Trach. ann.* for *Trachodon annectens*.

Hay, O. P. 1902 A, 502.
Abel, O. 1912 F, 279, fig. 202 (Cla. ann.).
1919 A, 638, figs. 504, 505, 507 (Trach. ann.).
1922 A, 135, fig. (Trach. ann.).
1922 C, 342, figs. 299*a*, *b* (Trach. ann.); 365, fig. 313 (Claosaurus); 342 (Trachodon).
Abel, O. 1925 A, 71, figs. 45, 46 (Trach. ann.).
Beecher, C. E. 1902 A, 311, pls. xli-xlv; text-figs. 4, 5 (Cla. ann.); 313 (Thes. occ.).
Bigot, A. 1897 A, 467, fig. 10 (Cla. ann.).
Bowen, C. F. 1915 A, 142 (Trach. ann.); 151 (Agathaumas milo).
Brown, B. 1912 A, 105, figs. 1, 2 (Trach. ann.).
1913 B, 403, fig. 6*a* (Trach. ann.).
1913 E, 926 (Trach. ann.).
1914 E, 358 (Trach. ann.).
1915 A, 142, 151.
1916 B, 713 (Trach. ann.).
Collier, A. J. 1918 A, 31 (Trach. ann.).
Cope, E. D. 1872 QQ, 2.
Cross, W. 1896 A, 227, 241 (Cla. ann.).
Dollo, L. 1906 C, 11, fig. 4 (Cla. ann.).
Gilmore, C. W. 1914 A, 66, fig. 34 (Trach. ann.).
1915 A, 600 (Trach. ann.).
1915 F, 658, 659 (Trach. ann. syn. of Thes. occ.).
1920 C, 271, pl. i, figs. 1, 2 (Trach. ann.).
1924 A, 68 (Thes. ann.).
1924 C, 13, 25 (Thes. ann.); 14, 26 (Cla. ann.).
1924 E, 37, 47 (Thes. ann.).
Hanson, F. B. 1920 C, 4 (Trach. ann.).
Hatcher, J. B. 1901 A, 130, pl. i, fig. 8; text-fig. 1 (Cla. ann.).
1902 C, 378, 384 (Thes. occ.); 383 (Cla. ann.); 384 (Trach. ann.).
1907 A, 67, 111, 112, 295 (Agathaumas milo).
Heilmann, G. 1913 B, 26, fig. 69 (Cla. ann.).
Hooley, R. W. 1917 A, 149 (Trach. ann.).
1925 A, 51 (Trach. ann.).
Hutchinson, H. N. 1910 A, 169, fig. 58 (Cla. ann.).
Joleaud, L. 1920 A, 492 (Trach. ann.).
Lambe, L. M. 1899 B, 188 (Cla. ann.).
1913 A, 22 (Trach. ann.).
1918 C, 139 (Cla.? ann.).
1920 A, 70 ("Claosaurus" ann.).
Lucas, F. A. 1904 C, 317, pls. lxxii, lxxiii; text-figs. 40-43 (Trach. ann.).
Lull, R. S. 1907 B, 168 (Hadrosaurus ann.).
1917 B, 521, pl. xii; text-fig. 162 (Trach. ann.).
Lydekker, R. 1913 A, 14 (Trach. ann.).
Matthew, W. D. 1909 F, 68 ("mummied dinosaur").
1915 C, 93, figs. 30-32 (Trach. ann.).

Merrill, G. P. 1907 A, 65, 66 (Cla. ann.); 78 (Thes. occ.); 79 (Trach. ann.).
Moodie, R. L. 1913 A, 252 (Trach. ann.).
1923 B, 192, 254, pl. xxix (Cla. ann.).
1927 A, 99, fig. 9 (Trach. ann.).
1928 C, 1, pls. i, ii, iv-vi (Trach. ann.).
Nopcsa, F. 1900 A, 557 (Cla. ann.).
1901 B, 211 (Cla. ann.); 212 (Hadrosaurus).
Osborn, H. F. 1902 I, 15, 19 (Thes. occ.); 15 (Cla. ann.).
1909 B, 793 (Trach. ann.).
1911 B, 7, figs. 1-4 (Trach. ann.).
1912 K, 34, pls. v-ix; text-figs. 1-9 (Trach. ann.).
Parks, W. A. 1920 B (Cla. ann.).
1922 B, 20, 25, 27, 29 (Cla. ann.).
Sauvage, H. E. 1901 B, 10 (Cla. ann.).
Shimer, H. W. 1914 A, 108, fig. 2 (Trach. ann.).
Sternberg, C. H. 1909 D, 753 (Trach. ann.).
1909 E, 128, fig. ("Trachodon").
1914 A, 135 (Trach. ann.).
1917 A, 3, 25, 40, 119, 149, figs. 1, 2, 8 (Trach. ann.).
Sternberg, C. M. 1925 A, 108 (T. ann.).
1926 B, 74.
Versluys, J. 1910 B, 222, fig. U (Cla. ann.); 229 (Thes. occ.).
1922 A, 85 ("Trachodon").
1923 A, 1-19, pls. i-iv (Trach. ann.).
Zittel, Eastman, etc. 1902 A, 241 (Cla. ann.).
Upper Cretaceous (Grand River); North Dakota: (Lance); Wyoming, Montana, South Dakota: (Denver or Arapahoe); Colorado.

Thespesius saskatchewanensis Sternberg.

Sternberg, C. M. 1926 B, 73, pls. xv-xvii; text-fig. 3.
Upper Cretaceous (Lance); Saskatchewan.

Thespesius sp. indet.

Gilmore, C. W. 1924 D, 27. Upper Cretaceous (Lance); Saskatchewan.
Sternberg, C. M. 1924 A, 68. Upper Cretaceous (Lance); Saskatchewan.

EDMONTOSAURUS Lambe. Type *E. regalis* Lambe.

Lambe, L. M. 1917 C, 66.
Gilmore, C. W. 1924 E, 37, 46.
1924 F, 53.
Lambe, L. M. 1918 C, 137, 138.
1920 A, 1, fig. 37.
Nopcsa, F. 1923 H, 105, 106.
1928 A, 184.
Shaner, R. F. 1926 A, 362.

Edmontosaurus regalis Lambe.

Lambe, L. M. 1917 C, 66, pls. ii, iii.
Gilmore, C. W. 1924 C, 26.
1924 E, 34.
Lambe, L. M. 1920 A, 1, figs. 1-35.
Sternberg, C. M. 1926 A, 104.
1926 B, 78.
Upper Cretaceous (Edmonton); Alberta.

KRITOSAURUS Brown. Type *K. navajovius* Brown.

Brown, B. 1910 A, 269.
Abel, O. 1922 A, 137.
Anonymous 1922 A, 92.
Brown, B. 1914 C, 561, 564 (Corythosaurus a syn.).
1914 E, 377.
1916 A, 708.
1916 B, 716, pl. xxii, fig. 3 (Kritosaurus); 710 (Stephanosaurus).
Gilmore, C. W. 1916 D, 284.
1917 A (Corythosaurus a syn.).
Gregory, W. K. 1914 C, 145 (Gryposaurus; type *G. notabilis*).
1915 B, 118 (Gryposaurus).
1917 A, 118 (Gryposaurus).
1920 A, 127, fig. 45 (Kritosaurus, Stephanosaurus).
Lambe, L. M. 1914 D, 17 (Stephanosaurus).
1915 B, 118 (Trachodon).
1918 C, 136, 138 (Gryposaurus, Kritosaurus, Stephanosaurus).
1920 A, 68, fig. 36 (Gryposaurus, Kritosaurus); 68, 74, fig. 39 (Stephanosaurus).
1920 B, 40 (Gryposaurus); 40, 43 (Stephanosaurus).
Lull, R. S. 1917 B, 523, fig. 163 (Gryposaurus).
1924 A, 272 (Kritosaurus); 272, fig. 34 (Gryposaurus).
Matthew, W. D. 1915 C, 76.
1920 D, 542 (Kritosaurus, Stephanosaurus).
Nopcsa, F. 1917 A, 208.
1918 A, 187, 194.
1923 D, 105.
1923 E, 1046.
1923 H, 105 (Stephanosaurus); 106 (Gryposaurus, Kritosaurus).
1928 A, 184.
Osborn, H. F. 1917 B, 223, fig.
Parks, W. A. 1920 A, 51 (Gryposaurus, Kritosaurus).
1920 B, 9 (Gryposaurus, Kritosaurus).
1922 B, 8 (Stephanosaurus).
1923 A, 130 (Stephanosaurus).
1923 B, 6 (Stephanosaurus).
Romer, A. S. 1927 C, 226.
Sinclair and Granger 1914 A, 303.
Sternberg, C. H. 1917 A, 68, 72, fig. 24 (Gryposaurus).
Williston, S. W. 1925 A, 87, fig. 70.
1925 B, 295 (Kritosaurus, Gryposaurus, Stephanosaurus).
Zittel and Broili 1923 A, 357, 359 (Kritosaurus, Gryposaurus).

Kritosaurus incurvimanus Parks.

Parks, W. A. 1920 A, 51, figs. 1-13.
Gilmore, C. W. 1924 C, 22, 26.
1924 E, 30.
1924 F, 55.

Parks, W. A. 1920 B, 9, pls. i-vii; text-figs. 1-22.
1922 B, 20-30.
Upper Cretaceous (Belly River); Alberta.

Kritosaurus marginatus Lambe.

Lambe, L. M. 1902 A, 71, pl. iii, fig. 1; pl. iv, figs. 1, 5, 6; pls. v-x; text-fig. 23 [Trachodon (Pteropelyx)].
Abel, O. 1912 F, 493, fig. 375 (Trachodon).
Bach, R. 1914 A, 347, fig. (Trachodon).
Bowen, C. F. 1915 A, 142, 150 (Trachodon).
Brown, B. 1914 C, 559 (Trachodon; in part).
1914 E, 379 (Trachodon).
1916 B, 710 (Trachodon).
Gilmore, C. W. 1917 A, 4, 38, 41, fig. 54 (Stephanosaurus; this species?).
1924 C, 26 (Trachodon, Stephanosaurus).
1924 E, 30 (Stephanosaurus); 34 (Kritosaurus).
Hatcher, J. B. 1905 B, 97, 98 (Trachodon).
Lambe, L. M. 1904 C, 24, 37, 49 (Trachodon).
1912 A, 10 (Trachodon).
1914 B, 133, pls. xv, xvi (Trachodon).
1914 D, 19, pl. i (Stephanosaurus).
1914 F, 293, 297 (Stephanosaurus).
1916 A, 193 (Stephanosaurus).
1920 A, 67-76 (Stephanosaurus, in part).
Matthew, W. D. 1916 A, 484 (Trachodon).
Osborn, H. F. 1902 I, 15 (Trachodon); 19 (Pteropelyx).
Parks, W. A. 1920 B (Stephanosaurus).
1923 B, 6 (Trachodon).
Shimer, H. W. 1914 A, 108, fig. 1 (Stephanosaurus).
Sternberg, C. H. 1909 C, 77, fig. 13 (Trachodon).
1915 A, 132, 133 (Stephanosaurus).
1917 A, 61, figs. 16, 17 (Stephanosaurus).
Upper Cretaceous (Belly River); Alberta: (Two Medicine); Montana.

Kritosaurus navajovius Brown.

Brown, B. 1910 A, 269, pls. xxviii-xxix; text-figs. 2-7.
Abel, O. 1916 A, 469, 496, fig. 8.
Brown, B. 1914 E, 380.
Gilmore, C. W. 1916 D, 281, pl. lxxii, fig. A; pl. lxxiii, figs. 3, 5.
1920 A, 8.
1922 A, 6.
1924 C, 26.
1924 F, 53.
Knowlton, F. H. 1922 A, 71 (K. navijovicus).
Reeside, J. B. 1924 A, 31.
Sinclair and Granger 1914 A, 303.
Versluys, J. 1910 B, 224 (Nectosaurus, *errore*).
Upper Cretaceous (Kirtland, Ojo Alamo); New Mexico.

Kritosaurus notabilis (Lambe).

Lambe, L. M. 1914 C, 145, pl. xviii (Gryposaurus).
Anonymous 1914 A, 386 (Gryposaurus).
Brown, B. 1914 E, 379.
Gilmore, C. W. 1916 D, 283, pl. lxxii, fig. B (Gryposaurus).
1924 C, 26 (Gryposaurus).
1924 E, 31, 34.
Henning, C. L. 1914 A, 774, figs. 7, 9 (Gryposaurus).
Lambe, L. M. 1914 F, 294, 296, 297 (Gryposaurus).
1914 G, 386 (Gryposaurus).
1915 B, 117 (Gryposaurus).
Lydekker, R. 1915 C, 630 (G. mirabilis).
Matthew, W. D. 1916 A, 484.
Parks, W. A. 1920 A, 52.
1920 B.
Sternberg, C. H. 1914 A, 134 (Gryposaurus).
1915 A, 133 (Gryposaurus).
1918 A, 209 ("Grypsosaurus").
Sternberg, C. M. 1926 B, 78.
Upper Cretaceous (Belly River); Alberta.

Kritosaurus sp. indet.

Reeside, J. B. 1924 A, 23. Upper Cretaceous (Fruitland); New Mexico.

Cionodon Cope. Type *C. arctatus* Cope.

Hay, O. P. 1902 A, 504.
Cope, E. D. 1880 U, 147.
Hatcher, J. B. 1902 C, 381, 385.
1905 B, 99.
1907 A, 296.
Hoernes, R. 1886 A, 619.
Hoffmann, C. K. 1890 B, 1315.
Huene, F. 1909 B, 17.
Nopcsa, F. 1901 A, 265.
Osborn, H. F. 1902 I, 19.
Peale, A. C. 1876 A, 153.
Whiteaves, J. F. 1901 A, 187 (Cinodon).

Cionodon arctatus Cope.

Hay, O. P. 1902 A, 504.
Bowen, C. F. 1915 A, 142.
Cope, E. D. 1874 B, 433, 448, 449.
Cross, W. 1896 A, 244.
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1902 C, 381, 385.
Nopcsa, F. 1900 A, 557, 572.
Osborn, H. F. 1902 I, 15.
Upper Cretaceous (Denver or Arapahoe); Colorado.

Cionodon stenopsis Cope.

Hay, O. P. 1902 A, 504.
Bowen, C. F. 1915 A, 142.
Dawson, G. M. 1884 A, 38.
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1905 B, 99.
1902 C, 381, 385.
Lambe, L. M. 1904 C, 24, 37, 49.
Nopcsa, F. 1900 A, 557.
Osborn, H. F. 1902 I, 15.
Upper Cretaceous (Two Medicine); Montana.

Claosaurus Marsh. Type *Hadrosaurus agilis* Marsh.

Marsh, O. C. 1890 C, 423.
Hay, O. P. 1902 A, 502 (Thespesius, in part).
Abel, O. 1909 F, 461.
1911 A, 161.
Beddard, F. E. 1898 A, 156.
Boule, M. 1902 B, 908, fig. 14.
Brown, B. 1907 A, 392.
1914 C, 565.
Case, E. C. 1898 C, 642.
Darton, N. H. 1908 A, 462 (Cleosaurus).
Douglass, E. 1902 A, 31.
1902 C, 211, 212.
Du Toit, P. J. 1913 A, 248.
Gadow, H. 1901 B, 429.
Gilmore, C. W. 1915 F, 658.
1917 A.
Gregory, W. K. 1901 A, 142.
Heilmann, G. 1913 A, 57, fig. 46.
Hennig, E. 1912 B, 99.
1924 A, 146.
Hooley, R. W. 1925 A, 4.
Huene, F. 1904 A, 323.
1906 B, 152, fig. 95.
1906 C, 337.
1908 B, 289, 359.
1909 B, 16.
Hutchinson, H. N. 1910 A, 168, pl. xxiv.
Lambe, L. M. 1918 C, 136, 139.
1920 A, 68.
Lebedinsky, N. G. 1913 A, 768.
1913 B, 197.
Lull, R. S. 1910 A, 11.
1924 A, 241.
Lydekker, R. 1910 D, 459.
Nopcsa, F. 1900 A, 560.
1902 C, 161.
1904 A, 237.
1905 C, 291.
1911 B, 8.
1917 A, 206.
Nopcsa, F. 1917 B, 343.
1918 A, 187, 190, 196.
1918 B, 239.
1928 A, 184.
Plieninger, F. 1906 A, 408.
Schuchert, C. 1905 B, 133.
1915 A, 905.
Steinmann, G. 1909 A, 79.
Sternberg, C. H. 1917 A, 96.
Van den Broeck, E. 1900 A, 92.
Versluys, J. 1910 B, 223.
1912 A, 494.
Whiteaves, J. F. 1901 A, 186.
Williston, S. W. 1909 A, 398.
Zittel and Broili 1911 A, 291.
1923 A, 358.
Zittel, Eastman, etc. 1902 A, 241.

Claosaurus? affinis Wieland.

Wieland, G. R. 1903 A, 216 (Name only).
Upper Cretaceous (Pierre); South Dakota.

Claosaurus agilis Marsh.

Hay, O. P. 1902 A, 502 (Thespesius).
Beecher, C. E. 1902 A, 313.
Brown, B. 1910 A, 373.
Eisler, P. 1895 A, 53.
Gilmore, C. W. 1915 F, 658.
1924 C, 26 (Hadrosaurus).
Hatcher, J. B. 1901 C, 341.
1902 C, 383, 385.
Lambe, L. M. 1918 C, 136, 139.
Lull, R. S. 1910 A, 18.
Nopcsa, F. 1900 A, 557.
Osborn, H. F. 1902 I, 15, 19.
Sternberg, C. M. 1926 B, 74.
Wieland, G. R. 1909 B, 250 (Hadrosaurus).
Williston, S. W. 1902 E, 253 (Hadrosaurus).
Upper Cretaceous (Niobrara); Kansas.

Hypsibema Cope. Type *H. crassicauda* Cope.

Hay, O. P. 1902 A, 497.
Hatcher, J. B. 1902 C, 381.
Huene, F. 1909 B, 17 (Hypsibæma).
Nopcsa, F. 1901 A, 266.
Zittel and Broili 1911 A, 293 (Hypsibæma).

Hypsibema crassicauda Cope.

Hay, O. P. 1902 A, 497.
Hatcher, J. B. 1902 C, 381.
Nopcsa, F. 1900 A, 557.
Stephenson, L. W. 1912 A, 120.
Upper Cretaceous (Black Creek); North Carolina.

Dysganus Cope. Type *D. encaustus* Cope.

Hay, O. P. 1902 A, 504.
Bowen, C. F. 1915 A, 149, 150.
Cope, E. D. 1880 U, 147.
Cross, W. 1896 A, 218, 238.
Hatcher, J. B. 1902 C, 377.
1905 B, 90.
1907 A, 67, 296.
Huene, F. 1909 B, 18.
Lull, R. S. 1907 B, 166, 296.
Nopcsa, F. 1901 A, 270.
Sternberg, C. H. 1903 C, 871.

Dysganus bicarinatus Cope.

Hay, O. P. 1902 A, 504.
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1907 A, 68, 296.
Lull, R. S. 1907 B, 296.
Osborn, H. F. 1902 I, 14.
Sternberg, C. H. 1914 A, 134.
Upper Cretaceous (Judith River); Montana.

Dysganus encaustus Cope.

Hay, O. P. 1902 A, 505.
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1907 A, 67, 296.
Lull, R. S. 1907 B, 296.
Osborn, H. F. 1902 I, 14.
Sternberg, C. H. 1914 A, 134.
Upper Cretaceous (Judith River); Montana.

Dysganus haydenianus Cope.

Hay, O. P. 1902 A, 505.
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1907 A, 68, 296.
Lull, R. S. 1907 B, 296.
Osborn, H. F. 1902 I, 14.
Sternberg, C. H. 1914 A, 134.
Upper Cretaceous (Judith River); Montana.

Dysganus peiganus Cope.

Hay, O. P. 1902 A, 505.
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1907 A, 69, 296.
Lull, R. S. 1907 B, 296.
Osborn, H. F. 1902 I, 14.
Sternberg, C. H. 1914 A, 134.
Upper Cretaceous (Judith River); Montana.

PTEROPELYX Cope. Type *P. grallipes* Cope.

Hay, O. P. 1902 A, 503.
Gilmore, C. W. 1917 A, 6.
Henning, C. L. 1914 A, 771.
Nopcsa, F. 1901 A, 265 (Syn. of Claosaurus).
1901 B, 211 (Syn. of Claosaurus).
Osborn, H. F. 1902 I, 19.

Pteropelyx grallipes Cope.

Hay, O. P. 1902 A, 503.
Bowen, C. F. 1915 A, 142.
Gilmore, C. W. 1917 A, 42.
1924 C, 26.
Hatcher, J. B. 1902 C, 382, 385.
1905 B, 98.
Lambe, L. M. 1902 A, 77.
Nopcsa, F. 1901 B, 211 (Syn. of Claosaurus annectens).
Osborn, H. F. 1902 H, 675.
1902 I, 15, 19.
Upper Cretaceous (Judith River); Montana.

ORNITHOTARSUS Cope. Type *O. immanis* Cope.

Hay, O. P. 1902 A, 505.
Huene, F. 1909 B, 16.
Nopcsa, F. 1901 A, 266.
Seeley, H. G. 1894 D, 417.

Ornithotarsus immanis Cope.

Hay, O. P. 1902 A, 505.
Cope, E. D. 1869 P, 121.
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1902 C, 385.
Huxley, T. H. 1870 G, 480.
Nopcsa, F. 1900 A, 557.
Woolman, L. 1897 C, 249, pl. xv.
Upper Cretaceous (Matawan); New Jersey.

CLAORHYNCHUS Cope. Type *C. trihedrus* Cope.

Hay, O. P. 1902 A, 500.
Hatcher, J. B. 1907 A, 114, 296, 298.
Hay, O. P. 1903 D, 117.
Huene, F. 1909 B, 16.
Lull, R. S. 1907 B, 166, 296.
Osborn, H. F. 1902 I, 19.
A genus of uncertain position.

Claorhynchus trihedrus Cope.

Hay, O. P. 1902 A, 500.
Bowen, C. F. 1915 A, 140.
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1902 C, 382, 385.
1905 B, 96.
1907 A, 114, 296.
Lull, R. S. 1907 B, 166, 296.
Osborn, H. F. 1902 I, 15.
Upper Cretaceous (Laramie); South Dakota?: (Judith?); Montana?

PNEUMATOARTHRUS Cope. Type *P. peloreus* Cope.

Hay, O. P. 1902 A, 505.
Nopcsa, F. 1901 B, 213 (Syn. of Ornithotarsus).

Pneumatoarthrus peloreus Cope.

Hay, O. P. 1902 A, 505.
Gilmore, C. W. 1924 C, 26.
Upper Cretaceous (Navesink?); New Jersey.

SAUROLOPHINÆ Brown.

Brown, B. 1914 C, 565.
1916 B, 712.
Gilmore, C. W. 1920 A, 64.
1924 E, 34.
Lambe, L. M. 1918 C, 138.
1920 A, 67.
Lydekker, R. 1915 C, 630.
Nopcsa, F. 1917 A, 208 (Saurolophidæ).
1928 A, 185.
Parks, W. A. 1922 B, 6.
1923 B, 6.

PROSAUROLOPHUS Brown. Type *P. maximus* Brown.

Brown, B. 1916 A, 701.
Gilmore, C. W. 1924 F, 53.
Lambe, L. M. 1917 C, 66.
Lambe, L. M. 1918 C, 136, 138.
1920 A, 68, fig. 38.
1920 B, 40.

Matthew, W. D. 1920 D, 542.
Nopcsa, F. 1923 H, 106.
1928 A, 185.
Sternberg, C. H. 1917 A, 66, 86.
Williston, S. W. 1925 B, 295.

Prosaurolophus maximus Brown.

Brown, B. 1916 A, 701, figs. 1, 3, 5.
Gilmore, C. W. 1924 C, 26.
1924 E, 34.
Lambe, L. M. 1920 A, 71.
Parks, W. A. 1924 C, 26, pl. v.
Sternberg, C. H. 1917 A, 66, 68 ("Prosaurolophus").
1918 A, 209 ("Prosaurolophus").
Upper Cretaceous (Belly River); Alberta.

Procheneosaurus Matthew.

Matthew, W. D. 1920 D, 542 (Not well defined).

Procheneosaurus sp. indet.

Matthew, W. D. 1920 D, 542. (No specific name.) Upper Cretaceous (Belly River or Edmonton); Alberta.

Saurolophus Brown. Type *S. osborni* Brown.

Brown, B. 1912 B, 131.
Abel, O. 1916 A, 496, fig. 8.
1919 A, 634.
1922 A, 143.
Brown, B. 1913 A, 387.
1913 B, 395, 396.
1913 D, 140, pl.
1914 A, 543.
1914 C, 561, 565.
1914 E, 374, 377.
1916 A, 701.
Eastman, C. R. 1914 B, 688.
1917 B, 656.
Eastman, Gregory and Matthew 1917 A, 119.
Gilmore, C. W. 1915 D, 411, 488.
1917 A.
Lambe, L. M. 1918 C, 138.
1920 A, 68, fig. 38.
Lull, R. S. 1917 B, 522, fig. 163.
1924 A, 271, fig. 34.
Matthew, W. D. 1914 E, 58.
1915 C, 76, 83, 98, figs. 25, 34.
1920 D, 542.
Nopcsa, F. 1915 A, 388.
1917 A, 208.
1917 B, 350.
1918 A, 186.
1918 B, 239.
1923 H, 105, 106, pl. v, fig. 12.
Nopcsa, F. 1926 A, 636.
1928 A, 185.
Parks, W. A. 1922 B.
Romer, A. S. 1927 C, 226, 233, fig. 2.
Williston, S. W. 1925 B, 295.
Zittel and Broili 1923 A, 359.

Saurolophus osborni Brown.

Brown, B. 1912 B, 131, pls. x, xi; text-figs. 1-4.
Abel, O. 1919 A, 632, figs. 498, 499.
Brown, B. 1913 A, 388, pls. lxii, lxiii; text-fig. 1.
1916 A, 703, figs. 2, 4.
1919 A, 411, 423, fig. ("Saurolophus").
Gilmore, C. W. 1917 A.
1924 C, 26.
1924 E, 30, 34.
1924 F, 60.
Gregory, W. K. 1913 E, 13, fig. 10.
Heilmann, G. 1926 A, 144, 147, figs. 105, 107.
Lydekker, R. 1913 A, 15.
1914 A, 639.
Matthew, W. D. 1912 D, 219 ("Saurolophus").
1915 C, 98, fig. 34 ("Saurolophus").
Nopcsa, F. 1918 A, 188, figs. 4, 12.
Parks, W. A. 1922 A, 6, 7, 20-30.
Sternberg, C. M. 1926 A, 104.
Versluys, J. 1923 A, 4.
Upper Cretaceous (Edmonton); Alberta.

Cheneosaurus Lambe. Type *C. tolmanensis* Lambe.

Lambe, L. M. 1917 A, 117.
Gilmore, C. W. 1924 E, 36, 41, 47.
1924 F, 52, 57, 64.
Lambe, L. M. 1918 C, 137, 138.
1920 A, 68, fig. 39.
Nopcsa, F. 1923 H, 106.
1928 A, 185.
Williston, S. W. 1925 B, 295.

Cheneosaurus tolmanensis Lambe.

Lambe, L. M. 1917 A, 117, pls. vi, vii.
Abel, O. 1924 A, 715, fig. 11.
Gilmore, C. W. 1924 C, 26.
1924 E, 34.
Sternberg, C. M. 1926 A, 104.
Upper Cretaceous (Edmonton); Alberta.

Lambeosaurinæ Parks.

Parks, W. A. 1923 B, 6.
Gilmore, C. W. 1924 E, 34, 42, 47.
1924 F, 57.
Lambe, L. M. 1920 A, 67 (Stephanosaurinæ).
Nopcsa, F. 1928 A, 185.

Hypacrosaurus Brown. Type *H. altispinus* Brown.

Brown, B. 1913 B, 395.
Abel, O. 1919 A, 635.
Brown, B. 1914 C, 565.
1914 E, 374, 377.
Brown, B. 1916 B, 710.
Eastman, C. R. 1914 B, 688 ("Hypærosaurus," misprint).
Gilmore, C. W. 1914 B, 10.

Gilmore, C. W. 1916 D, 284.
1917 A.
1924 E, 47.
1924 F, 49.
Lambe, L. M. 1917 C, 66.
1918 C, 138.
1920 A, 68.
Lydekker, R. 1914 A, 640.
Moodie, R. L. 1923 B, 123.
Nopcsa, F. 1917 A, 208.
1918 A, 187, 190.
1923 H, 105.
1928 A, 185.
Romer, A. S. 1927 C, 233, 241, figs. 2, 7.
Shaner, R. F. 1926 A, 365.
Sternberg, C. M. 1926 A, 103.
Stromer, E. 1915 B, 19.
Williston, S. W. 1925 B, 295.
Zittel and Broili 1923 A, 359.

Hypacrosaurus altispinus Brown.

Brown, B. 1913 B, 395, figs. 1-5, 6*b*, 7*b*, 8*b*.
1914 E, 379.
1919 A, 421 ("Hypacrosaurus").
Gilmore, C. W. 1914 B, 10.
1914 D, 19 ("duck-billed dinosaur").
1916 D, 284 ("Hypacrosaurus").
1917 A, 3, 38, figs. 48-53 (This species?).
1924 C, 26.
1924 E, 34, 43.
1924 F, 49, pls. xi, xii; text-figs. 13-17.
Lydekker, R. 1914 A, 639, figs. 2, 3.
Matthew, W. D. 1916 A, 484.
Nopcsa, F. 1918 A, 195.
Parks, W. A. 1922 B, 25, 27, 30.
Sternberg, C. M. 1926 A, 104.
Upper Cretaceous (Edmonton); Alberta: (Two Medicine); Montana.

CORYTHOSAURUS Brown. Type *C. casuarius* Brown.

Brown, B. 1914 C, 560, 565.
Abel, O. 1916 A, 496.
1919 A, 635.
1926 F, (39).
Anonymous 1922 A, 92.
Brown, B. 1916 B, 710.
Gilmore, C. W. 1915 D, 411, 488.
1923 B, 46.
1924 C, 23.
1924 E, 30.
1924 F, 49.
1927 B, 95, fig. 1.
Gregory, W. K. 1920 A, 127.
Heilmann, G. 1926 A, 22.
Lambe, L. M. 1918 C, 138.
1920 A, 68, fig. 39.
1920 B, 40.
Lull, R. S. 1917 B, 522, fig. 163.
1924 A, 271, fig. 34.
Matthew, W. D. 1915 C, 76, 83, 98, 118.
1920 D, 542.
Matthew and Brown 1915 A, 427.
Nopcsa, F. 1917 A, 208.
1918 A, 190.
1923 E, 1046.
1923 H, 12, 13, 105, 106, 108.
1926 A, 636.
1928 A, 185.
Osborn, H. F. 1917 B, 223, fig.
Parks, W. A. 1922 B, 6.
1923 A, 130.
Romer, A. S. 1923 A, 143, fig. 2.
1927 C, 226.
Shaner, R. F. 1926 A, 362.
Sternberg, C. H. 1917 A, 86.
Williston, S. W. 1925 B, 295.
Zittel and Broili 1923 A, 359.

Corythosaurus casuarius Brown.

Brown, B. 1914 C, 559, 560, pl. xli.
Abel, O. 1919 A, 634, fig. 500.
1922 A, 137.
Abel, O. 1922 C, 338, 344, fig. 295.
1924 A, 714, fig.
Brown, B. 1916 B, 710, pls. xiii-xxii.
1919 A, 419, fig. ("Corythosaurus").
Gilmore, C. W. 1923 B, 46.
1924 C, 26.
1924 E, 29, 30, 36.
Lambe, L. M. 1915 B, 117 (Syn. of Stephanosaurus marginatus).
Lydekker, R. 1915 C, 630, fig. 5 (Stephanosaurus).
Matthew, W. D. 1916 A, 484.
1920 D, 543, fig.
Moodie, R. L. 1927 A, 91, fig. 1.
Nopcsa, F. 1918 A, 188, 195, fig. 6.
Parks, W. A. 1922 B, 20.
1923 B, 7, pl. ii, fig. 3.
Sternberg, C. H. 1917 A, 61, 202, frontispiece, fig. 45.
1918 A, 208, 211.
Vallois, H. V. 1921 A, 972.
Zittel and Broili 1923 A, 359, fig. 471.
Upper Cretaceous (Belly River); Alberta.

Corythosaurus excavatus Gilmore.

Gilmore, C. W. 1923 B, 46, pl. i, fig. 1; text-fig. 1.
1924 C, 26.
1924 E, 34, 36.
1924 F, 51.
Upper Cretaceous (Belly River); Alberta.

Corythosaurus intermedius Parks.

Parks, W. A. 1923 B, 1-57, pls. i-v; 13 text-figs.
Abel, O. 1924 A, 714, fig.
Gilmore, C. W. 1924 C, 26.
1924 E, 34.
Parks, W. A. 1923 A, 130 (Stephanosaurus; inadequate description).
Upper Cretaceous (Belly River); Alberta.
Possibly the same as *C. excavatus*.

LAMBEOSAURUS Parks. Type *L. lambei* Parks.

Parks, W. A. 1923 B, 7.
Abel, O. 1926 F, (39).
Gilmore, C. W. 1924 E, 29.
Nopcsa, F. 1928 A, 185.
Shaner, R. F. 1926 A, 362 (Lambiosaurus).

Lambeosaurus lambei Parks.

Parks, W. A. 1923 B, 7, pl. ii, fig. 2.
Abel, O. 1924 A, 713, fig. 11.
Brown, B. 1914 C, 559 (Corythosaurus? sp. indet., in part).
Gilmore, C. W. 1924 C, 26.
1924 E, 29-48, pls. vi-ix; text-figs. 9-12.
1924 F, 51.
Lambe, L. M. 1914 D, 17-20, pl. i (Stephanosaurus marginatus, in part).
1920 A, 68, 74-76, fig. 39, H. (Stephanosaurus marginatus).
Sternberg, C. M. 1926 B, 80.
Upper Cretaceous (Belly River); Alberta.

Lambeosaurus sp. indet.

Gilmore, C. W. 1924 E, 37, fig. 8. Upper Cretaceous (Belly River); Alberta.

PARASAUROLOPHUS Parks. Type *P. walkeri* Parks.

Parks, W. A. 1922 B, 5.
Abel, O. 1926 F, (39).
Gilmore, C. W. 1924 E, 41.
1924 F, 57.
Lull, R. S. 1924 A, 272, fig. 34.
Nopcsa, F. 1926 A, 636.
1928 A, 185.
Parks, W. A. 1923 B, 6.
Romer, A. S. 1927 C, 226.
Shaner, R. F. 1926 A, 365.

Parasaurolophus walkeri Parks.

Parks, W. A. 1922 B, 5, pls. i-ix; text-figs. 1-9.
Abel, O. 1924 A, 712, figs. 10-12.
Gilmore, C. W. 1924 C, 22, 26.
1924 E, 30, 41.
Upper Cretaceous (Belly River); Alberta.

IGUANODONTIDÆ.

Hay, O. P. 1902 A, 502 (Iguanodontidæ).
Abel, O. 1919 A, 623 (Iguanodontinæ).
Arldt, T. 1907 D, 271, 333 (Iguanodontidæ).
1909 A, 263 ("iguanodontiden").
Ballerstedt, M. 1914 A, 48 (Iguanodon).
Bertrand, C. E. 1903 A, 9 ("iguanodons").
1904 A, 121 ("iguanodons").
Brown, B. 1914 B, 545 (Iguanodontidæ).
Dames, W. 1883 C, 272, 399 (Iguanodontidæ).
De Pauw, L. F. 1902 A, 87, pls. i-vi (Iguanodon).
Dollo, L. 1906 C, 1 ("iguanodons").
1919 A, 23 ("iguanodons").
1923 B, 67 ("iguanodons").
Drevermann, F. 1911 C, 97, pl. (Iguanodon).
Gervais, P. 1859 A, 466 ("iguanodontidés").
Günther, A. 1886 A, 143 (Iguanodontidæ).
Huene, F. 1909 B, 16 (Iguanodontidæ).
Huxley, T. H. 1869 K, 146 (Iguanodontidæ).
1870 G, 470 (Iguanodon).
1870 H, 489, 490 (Iguanodontidæ).
Jaekel, O. 1914 A, 197 ("iguanodontiden").
Lucas, F. A. 1904 C, 318 (Iguanodontidæ).
Mantell, G. A. 1834 A, 63 (Iguanodon).
1844 A, 739 (Iguanodon).
1848 D, 51 (Iguanodon).
Matthew, W. D. 1914 B, 387 (Iguanodontidæ).
1921 D, 211 (Iguanodontidæ).
Nopcsa, F. 1901 A, 262 (Iguanodontidæ).
1901 B, 208 (Iguanodontidæ).
1902 C, 149 ("kalodontiden").
1923 H, 108, 175 (Kalodontidæ).
Owen, R. 1842 F, 81 ("iguanodonts").
Reis, O. M. 1922 A, 85-90, fig. (Iguanodon).
Romer, A. S. 1927 C, 226.
Seeley, H. G. 1888 J, 698 (Iguanodon).
1899 B, 68 ("iguanodont reptiles").
Steinmann G. 1907 A, 451 (Iguanodontidæ).
Tornier, G. 1913 B, 370 (Iguanodontidæ).
Vallois, H. V. 1921 A, 972 ("iguanodons").
Zittel and Broili 1911 A, 289 (Iguanodontidæ)
Zittel, Eastman, etc. 1902 A, 237 (Iguanodontidæ).

At present no North American species are referred to this family.

Superfamily CERATOPSOIDÆ, new form.

Unless otherwise indicated the writers, as quoted, employ the name Ceratopsia.
Hay, O. P. 1902 A, 497 (Ceratopsoidea).
Abel, O. 1924 A, 712 ("ceratopsiden").
Arldt, T. 1907 D, 644.
1909 A, 263 ("ceratopsier").
Berkey, C. P. 1923 A, 4.
Brown, B. 1906 A, 297.
1907 A, 841.
1917 A, 284.
1917 B, 135.
Case, E. C. 1897 D, 88.
Cross, W. 1909 A, 44.
Depéret, C. 1907 B ("cératopsidés").
1912 A, 705.
Du Toit, P. J. 1913 A, 247 ("ceratopsiden").
Eimer, G. H. T. 1901 A, 131.
Gadow, H. 1896 C, 205.
1901 B, 430.
Gilmore, C. W. 1914 B.
1915 F, 659 ("ceratopsians").
1917 A, 37.
1922 C, 381, 384.
Granger and Gregory 1923 A, 4.
Gregory, W. K. 1920 A, 127.
Gregory and Mook 1925 A.
Hatcher, J. B. 1905 A, 413.
1905 B, 89 (Ceratapsoidea).
1907 A.
Hay, O. P. 1909 A, 95
1910 B, 300.
Heilmann, G. 1926 A, 203.
Hennig, E. 1912 B, 100 ("ceratopsiden").
1924 A, 128.
Hooley, R. W. 1912 A, 445.
Huene, F. 1908 B, 361, 370, 372.
1910 A, 78.
1914 A, 145.

Huene, F. 1914 G, pl. vii.
Jaekel, O. 1909 C, 708.
Knowlton, F. H. 1909 A, 204.
Koken, E. 1893 B, 432 ("ceratopsiden").
1900 A, 464.
Lambe, L. M. 1915 A, 2.
Lee, W. T. 1913 A, 532 ("ceratopsian").
Lull, R. S. 1907 B, 161, 295, 296.
1908 B, 392.
1910 A, 3, 19.
1912 A, 211.
1912 B, 771.
1912 C, 674.
1914 D, 359 ("ceratopsians").
1915 F, 838.
1917 B, 505, 527.
1918 C, 132.
1924 A, 236, 243, 266.
Lydekker, R. 1908 B, 544.
1909 C, 460.
Marsh, O. C. 1891 D, 181.
Matthew, W. D. 1914 B, 387.
1915 C, 32, 107.
Nopcsa, F. 1917 B, 340 ("ceratopsiden").
1918 C, 326 ("ceratopsiden").
Nopcsa, F. 1926 A, 645 ("ceratopsians").
Osborn, H. F. 1903 G, 836.
Peale, A. C. 1912 A, 742.
Pompeckj, J. F. 1921 A, 7 ("ceratopsiden").
Reynolds, S. H. 1897 A, 209, 284.
Richardson, G. B. 1912 A, 275.
Romer, A. S. 1927 C, 226, 239, 252, 259 (Ceratopsia).
Stanton, T. W. 1909 A.
Steiner, H. 1922 A, 347.
Steinmann, G. 1907 A, 452 (Homœopoda).
1908 A, 220 (Ceratopsida).
1909 A, 79.
1912 B, 727 ("ceratopsiden").
Sternberg, C. H. 1915 A, 133.
Sternberg, C. M. 1927 A, 69.
Tornier, G. 1913 B, 373, 374.
Van den Broeck, E. 1900 A, 85.
Wieland, G. R. 1925 B, 560 ("ceratopsians").
Williston, S. W. 1909 E, 194.
1918 A, 81.
1925 A, 9, 17, 95, 100, 118, 150, 154.
1925 B, 214 (Ceratopsia).
Zittel and Broili 1911 A, 295 (Ceratopsidæ).
1923 A, 362 (Ceratopsidæ).

CERATOPSIDÆ Marsh.

Hay, O. P. 1902 A, 498.
Abel, O. 1912 F, 564 ("ceratopsiden").
1916 A, 494 ("ceratopsiden").
1919 A, 646 (Ceratopsidæ, Ceratopsinæ).
1922 C, 340 ("ceratopsiden").
Arldt, T. 1907 D, 271, 332.
Bowen, C. F. 1915 A, 151.
Brown, B. 1914 A, 543, 545.
1914 D, 567.
1914 E, 377.
Cannon, G. L. 1906 B, 197.
Cope, E. D. 1891 N, 43 (Agathaumidæ).
Cross, W. 1896 A, 228.
Darton, N. H. 1901 A, 536.
Depéret, C. 1896 A, 185 ("cératopsides").
1900 A, 530 ("cératopsides").
Douglass, E. 1902 C, 220.
Gilmore, C. W. 1917 A, 37 (Eoceratopsinæ, Centrosaurinæ, Chasmosaurinæ).
1924 E, 43.
Gregory, W. K. 1923 B, 192 ("horned dinosaurs").
Gregory and Mook 1925 A.
Hatcher, J. B. 1902 C, 382 (Agathaumidæ).
1903 D, 374.
1905 B, 89, 102.
1907 A, 14, 296.
Heilmann, G. 1915 A, 116.
Hennig, E. 1924 A, 128.
Henning, C. L. 1914 A, 771 ("ceratopsiden").
Huene, F. 1911 C, 146 ("ceratopsiden").
Jaekel, O. 1914 A, 197 ("ceratopsiden").
Knowlton, F. H. 1911 A, 319.
Knowlton, F. H. 1922 A, 16.
Koken, E. 1900 A, 464.
Lambe, L. M. 1915 A (with subfamilies Eoceratopsinæ, Centrosaurinæ, Chasmosaurinæ).
Matthew, W. D. 1915 C, 32.
1921 D, 211.
Nopcsa, F. 1901 A, 262, 276.
1902 B, 101 ("ceratopsiden").
1903 D, 267 ("ceratopsiden").
1904 A, 257 ("ceratopsiden").
1915 B, 13, 18 (Ceratopsidæ, Torosauridæ).
1918 C, 328.
1922 A, 115.
1923 A, 199.
1923 H, 99, 100, 102, 104, 106, 126, 177, 179, 197.
1928 A, 185 (Ceratopsidæ, Ceratopsinæ, Leptoceratopsinæ, Monocloniinæ).
Osborn, H. F. 1902 I, 20 (Better Agathaumidæ).
Peale, A. C. 1912 A, 750.
Perrier, E. 1920 A, 312 ("cératopsidés").
Romer, A. S. 1927 C, 226.
Steinmann, G. 1907 A, 452.
Van Straelen, V. 1925 A, 1, figs. 1, 2 ("eggs of Protoceratops").
Wieland, G. R. 1911 A, 119, figs. 4-7.
1912 A, 287.
1912 B, 299.
Woodward, H. 1904 A, 148.
Zittel and Broili 1911 A, 295.
1923 A, 336, 362, 366.
Zittel, Eastman, etc. 1902 A, 243.

BRACHYCERATOPS Gilmore. Type *B. montanensis* Gilmore.

Gilmore, C. W. 1914 B, 1.
Brown, B. 1914 D, 567.
1917 A, 282.
Gilmore, C. W. 1915 D, 411, 488.
1917 A.
Gilmore, C. W. 1919 A, 104.
1922 B, 1.
1922 C, 384, pl. viii.
1923 B, 52.
1924 G, 17.

Gregory and Mook 1925 A.
Joleaud, L. 1920 A, 495 (Trachyceratops).
Lambe, L. M. 1915 A, 17.
Lull, R. S. 1915 D, 342.
1924 A, 245.
Nopcsa, F. 1923 D, 106.
1923 H, 101-104.
1926 A, 645.
1928 A, 185.
Osborn, H. F. 1923 C, 2.
Parks, W. A. 1925 D, 6.
Romer, A. S. 1927 C, 226, 235, figs. 3, 4, 8, 12.
Scott, W. B. 1917 A, 119, fig. 19.
Shufeldt, R. W. 1916 B, 41.
Sternberg, C. M. 1927 A, 72 (Brachiceratops).
1927 B, 137.
Williston, S. W. 1925 B, 296.
Zittel and Broili 1923 A, 366.

Brachyceratops montanensis Gilmore.

Gilmore, C. W. 1914 B, 1, pls. i, ii; text-figs. 1-3.
Brown, B. 1914 E, 378.
Gilmore, C. W. 1914 D, 19 ("ceratopsian").
1917 A, 1, 7, pls. i, iii, iv; text-figs. 2-9, 11-26, 41, 47.
1919 A, 103, 104, text-fig. 4.
1922 B, 1, pls. i-iv.
1924 G, 35, fig. 3.
1926 H, 163, fig.
Gregory, W. K. 1920 A, 127 (B. montanus).
Lambe, L. M. 1915 A, 6, pl. iii, fig. 3; pl. vi, fig. 3; pl. x, fig. 3.
Shufeldt, R. W. 1916 B, 41, fig. 4.
Sternberg, C. M. 1927 B, 136, pl. ii, fig. 2.
Upper Cretaceous (Two Medicine); Montana.

Eoceratops Lambe. Type *Monoclonius canadensis* Lambe.

Lambe, L. M. 1915 A, 1, 16.
Gilmore, C. W. 1917 A, 4.
Lambe, L. M. 1920 B, 40.
Nopcsa, F. 1923 H, 101.
1928 A, 185.
Parks, W. A. 1925 D, 6.
Sternberg, C. M. 1927 B, 139.
Williston, S. W. 1925 B, 296.
Zittel and Broili 1923 A, 364.

Eoceratops canadensis Lambe.

Lambe, L. M. 1902 A, 63, pl. xvii, figs. 3, 4; pl. xviii, figs. 1-7; text-figs. 18, 19 (Monoclonius).
Bowen, C. F. 1915 A, 136 (Monoclonius).
Brown, B. 1914 B, 550 (Monoclonius).
1914 E, 378 (Ceratops).
Gilmore, C. W. 1917 A.
Hatcher, J. B. 1905 B, 94 (Ceratops).
1907 A, 93, 295, pl. iii, fig. 8; pl. v, fig. 3; pls. xviii, xix, xxiii; text-figs. 96, 97 (Ceratops, Monoclonius).
Henning, C. L. 1914 A, 773 (Monoclonius).
Lambe, L. M. 1904 B, 3, pl. ii (Monoclonius).
1904 C, 23, 37, 49 (Monoclonius).
1904 D, 81 (Monoclonius).
1905 D, 363 A (Monoclonius).
1907 B, 179 (Monoclonius).
1914 B, 132 (Monoclonius).
1914 C, 154 (Ceratops).
1915 A, 1, 6, pl. i; pl. ii, fig. 2; pl. v, fig. 1; pl. ix, fig. 1; pl. x, fig. 2.
1915 B, 117.
1916 A, 194.
Lull, R. S. 1907 B, 172, pls. xvii, xix, xxiii; text-figs. 96, 97 (Ceratops).
1908 B, 394, fig. 7 (Ceratops).
Matthew, W. D. 1916 A, 484 (Ceratops).
Osborn, H. F. 1902 H, 675 (Monoclonius).
1902 I, 14 (Monoclonius).
1923 C, 3.
Sternberg, C. M. 1927 A, 69.
Upper Cretaceous (Belly River); Alberta.

Eoceratops sp. indet.

Gilmore, C. W. 1923 B, 51, pl. v. Upper Cretaceous (Belly River); Alberta.

Arrhinoceratops Parks. Type *A. brachyops* Parks.

Parks, W. A. 1925 D, 7.
Nopcsa, F. 1928 A, 185.

Arrhinoceratops brachyops Parks.

Parks, W. A. 1925 D, 5-15, pls. i, ii.
Sternberg, C. M. 1926 A, 104.
Upper Cretaceous (Edmonton); Alberta.

Monoclonius Cope. Type *M. crassus* Cope.

Hay, O. P. 1902 A, 499.
Abel, O. 1912 F, 565.
1916 A, 497, figs. 10, 11.
1924 A, 712, 713.
Anonymous 1923 A, 192.
Bowen, C. F. 1915 A, 151.
Brown, B. 1914 A, 543, fig. 1.
1914 B, 549, 551.
1917 A, 282, 285, pl. xiv.
1917 B, 135, figs. 1-4.
1919 A, 413, 426, pl.
Cope, E. D. 1880 U, 147.
Cross, W. 1896 A, 238.
Gilmore, C. W. 1914 B, 9.
Gilmore, C. W. 1917 A, 19.
1922 C, 382, pls. iv, vii.
1922 F, 1.
1925 A, 376.
1925 B, 408.
Gregory, W. K. 1920 A, 127.
Hatcher, J. B. 1905 B, 90.
1907 A, 70, fig. 2.
Hennig, E. 1916 A, 176.
Henning, C. L. 1914 A, 771.
Huene, F. 1909 B, 17.
Lambe, L. M. 1904 D, 151.
1910 A, 151.
1912 A, 9.

Lambe, L. M. 1915 A, 12.
Lull, R. S. 1907 B, 161, 162, 167.
1908 B, 393.
1910 A, 19.
1912 B, 774.
1917 B, 526, 528, fig. 166.
1924 A, 244, 273, fig. 32.
Lydekker, R. 1915 C, 631.
Matthew, W. D. 1915 C, 108, 111, figs. 37, 39.
Nopcsa, F. 1901 A, 270.
1904 A, 236.
1915 B, 14.
1917 A, 211.
1917 B, 340.
1923 H, 101.
1928 A, 185.
Osborn, H. F. 1902 H, 675.
1902 I, 9, 20.
Parks, W. A. 1925 D, 6.
Pompeckj, J. F. 1921 A, 7.
Romer, A. S. 1927 C, 226, figs. 3, 4, 8.
Scott, W. B. 1917 A, 119.
Stanton and Hatcher 1905 A, 38.
Sternberg, C. H. 1903 B, 357.
1903 C, 871.
1915 A, 133.
1917 A, 120.
Williston, S. W. 1925 A, 118, 191, fig. 156.
1925 B, 296.
Zittel and Broili 1911 A, 296.
1923 A, 365.
Zittel, Eastman, etc. 1902 A, 245 (Syn. of Ceratops).

Monoclonius crassus Cope.

Hay, O. P. 1902 A, 499.
Bowen, C. F. 1915 A, 136.
Brown, B. 1914 B, 549, 558.
1917 A, 285.
Cope, E. D. 1903 A, 872.
Du Toit, P. J. 1913 A, 247.
Gilmore, C. W. 1914 B, 9.
1916 D, 286, figs. 29, 30.
Hatcher, J. B. 1905 B, 91.
1907 A, 8, 71, 298, pl. ii, fig. 1; pl. v, fig. 1; text-figs. 13, 75-88.
Lambe, L. M. 1902 A, 68.
1904 C, 24.
1915 A, 13.
Lull, R. S. 1907, in Hatcher, J. B. 1907 A, 76.
1907 B, 167, 298, figs. 75-88.
1908 B, 394.
Nopcsa, F. 1901 B, 216 (Syn. of Agathaumus sylvestris).
Osborn, H. F. 1902 I, 14, 20.
Stanton and Hatcher 1905 A, 40.
Sternberg, C. H. 1909 C, 87.
1914 A, 134.
Zittel, K. A. 1890 A, 752 (Triceratops).
Upper Cretaceous (Judith River); Montana.

Monoclonius cutleri Brown.

Brown, B. 1917 A, 301, pls. xvi-xix.
Gilmore, C. W. 1919 A, 98.
Joleaud, L. 1920 A, 495.
Sternberg, C. M. 1925 A, 110 (Centrosaurus).
Upper Cretaceous (Belly River); Alberta.

Monoclonius dawsoni Lambe.

Lambe, L. M. 1902 A, 57, pl. xvi; pl. xix, figs. 4-6; pl. xx, figs. 3, 4; text-figs. 14-17, 23.
Bowen, C. F. 1915 A, 136.
Brown, B. 1914 B, 550, 558.
1914 E, 378.
Gilmore, C. W. 1914 B, 8.
1917 A, 4.
Hatcher, J. B. 1905 B, 91.
1907 A, 89, 298, pl. iv, figs. 1-5; pl. xx; text-fig. 92.
Henning, C. L. 1914 A, 773.
Lambe, L. M. 1904 B, 3.
1904 C, 23, 37, 49.
1904 D, 81.
1910 A, 149.
1915 A, 6, 18, 21, pl. x, fig. 4 (Brachyceratops).
1915 B, 117 (Brachyceratops).
Lull, R. S. 1907 B, 167, 298, fig. 92.
1911 A, 339.
Matthew, W. D. 1916 A, 484.
Osborn, H. F. 1902 H, 675.
1902 I, 14.
Upper Cretaceous (Belly River); Alberta.

Monoclonius fissus Cope.

Hay, O. P. 1902 A, 500.
Bowen, C. F. 1915 A, 136, 149, 150.
Brown, B. 1914 B, 549 (Species indeterminable).
Cope, E. D. 1903 A, 872.
Hatcher, J. B. 1905 B, 93.
1907 A, 5, 81, fig. 89.
Lambe, L. M. 1904 C, 24.
Osborn, H. F. 1902 I, 14, 20.
Sternberg, C. H. 1914 A, 135.
Upper Cretaceous (Judith River); Montana.

Monoclonius flexus Brown.

Brown, B. 1914 B, 551, 558, pls. xxxviii-xl; text-figs. 1, 2.
1917 A, 285.
Matthew, W. D. 1916 A, 484.
Sternberg, C. M. 1927 B, 141.
Upper Cretaceous (Belly River); Alberta.

Monoclonius nasicornus Brown.

Brown, B. 1917 A, 286, pls. xi-xiii; text-figs. 3, 4.
Abel, O. 1922 C, 341, fig. 297.
1924 A, 713, fig. 9.
Brown, B. 1917 B, 135, 138, fig.
Joleaud, L. 1920 A, 495, fig. 10.
Matthew, W. D. 1920 D, 541, fig.
Sternberg, C. M. 1927 A, 69.
Zittel and Broili 1923 A, 365.
Upper Cretaceous (Belly River); Alberta.

Monoclonius recurvicornis Cope.

Hay, O. P. 1902 A, 500.
Bowen, C. F. 1915 A, 136.
Brown, B. 1910 A, 268.
1914 B, 549.
Hatcher, J. B. 1896 A, 113.
1905 B, 94 (Ceratops).

Hatcher, J. B. 1907 A, 5, 81, 92, 295, pl. iv, fig. 4; pl. v, fig. 4; text-figs. 3, 4, 90.
Lambe, L. M. 1902 A, 68.
1904 C, 24.
Lull, R. S. 1907 B, 173, 295, fig. 90 (Ceratops?).
1912 B, 774, fig. (Ceratops?).
Osborn, H. F. 1902 I, 14, 20.
Sternberg, C. H. 1914 A, 134.
Zittel, K. A. 1890 A, 752 (Triceratops).
Upper Cretaceous (Judith River); Montana.

Monoclonius sp. indet.

Anonymous 1916 C, 133 ("Monoclonius").
Brown, B. 1910 A, 268, fig. 1 ("ceratopsian horn"). Upper Cretaceous (Ojo Alamo); New Mexico.
Gilmore, C. W. 1916 D, 286, fig. 29. Upper Cretaceous (Ojo Alamo); New Mexico.
1920 A, 9. Upper Cretaceous (Ojo Alamo); New Mexico.
1922 A, 7. Upper Cretaceous (Ojo Alamo); New Mexico.
Hay, O. P. 1903 D, 119.
Reeside, J. B. 1924 A, 31. Upper Cretaceous (Ojo Alamo); New Mexico.

CHASMOSAURUS Lambe. Type *Monoclonius belli* Lambe.

Lambe, L. M. 1914 F, 284.
Abel, O. 1924 A, 713.
Anonymous 1914 A, 386 (Protorosaurus).
Brown, B. 1917 A, 305 (Protorosaurus).
Gilmore, C. W. 1914 B, 4 (Protorosaurus).
1917 A, 4.
1923 B, 51.
Gregory and Mook 1925 A, 5, 6.
Lambe, L. M. 1914 B, 131 (Protorosaurus, preoccupied).
1914 C, 149 (Protorosaurus).
1914 G, 386 (Protorosaurus).
1915 A, 4, 17.
1915 B, 117.
1915 D, 326.
Lydekker, R. 1915 C, 629.
Nopcsa, F. 1923 H, 101.
1928 A, 185.
Osborn, H. F. 1923 C, 2 (Protorosaurus).
Parks, W. A. 1925 D, 6.
Sternberg, C. H. 1917 A, 73, 80, 104.
Sternberg, C. M. 1927 B, 137.
Williston, S. W. 1914 A, 132 (Protorosaurus).
1914 D, 395 (Protorosaurus).
1925 B, 296.
Zittel and Broili 1923 A, 366.
This generic name is sometimes spelled *Chasmasaurus*.

Chasmosaurus belli (Lambe).

Lambe, L. M. 1902 A, 66, pl. xx, figs. 1, 2; text-fig. 20 (Monoclonius).
Abel, O. 1924 A, 712, fig. 7.
Anonymous 1914 A, 386 (Protorosaurus, Chasmosaurus).
Bowen, C. F. 1915 A, 138.
Brown, B. 1914 B, 550 (Monoclonius).
1914 E, 378 (Ceratops).
Gilmore, C. W. 1917 A.
1920 A, 65.
1922 C, 384, pl. iv, fig. 1.
Hatcher, J. B. 1905 B, 95 (Ceratops).
1907 A, 96, text-fig. 98 (Monoclonius); 295, pl. ii, fig. 6; pl. xxi (Ceratops).
Henning, C. L. 1914 A, 773 (Monoclonius); 774 (Chasmosaurus).
Lambe, L. M. 1904 B, 7 (Monoclonius).
1904 C, 23, 24, 37, 49 (Monoclonius).
1914 B, 131, pl. xiv (Protorosaurus, preoccupied).
1914 C, 149, pls. xix, xx.
1914 F, 294, 296, 297.
1914 G, 386 (Monoclonius).
1915 A, 11, pl. iv, fig. 1; pl. vii, fig. 1; pl. viii.
1915 B, 117.
1916 A, 196.
1917 B, 82.
1917 E, 291.
Lull, R. S. 1907 B, 173, 179, pl. xxi; text-fig. 98 (Monoclonius).
Matthew, W. D. 1916 A, 484 (Ceratops).
Osborn, H. F. 1902 H, 675 (Monoclonius).
1902 I, 14 (Monoclonius).
Parks, W. A. 1925 D, 8.
Sternberg, C. H. 1917 A, 86, figs. 30, 31.
1918 A, 208 ("Chasmasaurus").
Sternberg, C. M. 1921 A, 64.
1925 A, 108, fig.
1927 A, 67, figs. 1, 2.
Upper Cretaceous (Belly River); Alberta.

CERATOPS Marsh. Type *C. montanus* Marsh.

Hay, O. P. 1902 A, 500.
Abel, O. 1912 F, 565.
1916 A, 497, fig. 10.
Bowen, C. F. 1915 A, 151.
Brown, B. 1914 E, 377.
1917 A, 282.
Darton, N. H. 1901 A, 536, 540.
Depéret, C. 1896 A, 185.
1912 A, 705.
Dollo, L. 1889 G, 675.
Gilmore, C. W. 1917 A.
1920 A, 64.
Gregory and Mook 1925 A, 6.
Hatcher, J. B. 1905 B, 93.
1907 A, 100.
Huene, F. 1909 B, 18.
Lambe, L. M. 1912 A, 9.
1914 B, 131.
1915 A, 10.
Lull, R. S. 1906 A, 144 (Proceratops, type *Ceratops montanus*).
1907 in Hatcher, J. B. 1907 A, 100 (Proceratops); 143 (Sterrholophus).
1907 B, 161, 165, 172, pl. xviii, fig. 1.

Lull, R. S. 1908 B, 393.
1910 A, 19.
1912 B, 774.
Matthew, W. D. 1915 C, 112, fig. 37.
1920 D, 542.
Nopcsa, F. 1901 A, 270.
1923 H, 101.
1928 A, 185.
Osborn, H. F. 1902 I, 9.
Parks, W. A. 1925 D, 6.
Scott, W. B. 1917 A, 119.
Stanton and Hatcher 1905 A, 38, 50, 51, 59.
Sternberg, C. H. 1915 A, 133.
1917 A, 119.
Sternberg, C. M. 1927 A, 70.
Williston, S. W. 1925 B, 296.
Zittel, Eastman, etc. 1902 A, 245.

Proceratops was proposed by Lull to replace *Ceratops* Marsh, supposed to be preoccupied by *Ceratops* of Rafinesque; but the latter is a *nomen nudum* (Richmond, Auk. XXVI, 1909, 44).

Ceratops montanus Marsh.

Hay, O. P. 1902 A, 500.
Bowen, C. F. 1915 A, 136, 149.
Cannon, G. L. 1894 A, 254.
Cross, W. 1896 A, 227, 229.
Gilmore, C. W. 1923 B, 51.
Hatcher, J. B. 1896 A, 113.
1905 B, 94.
1907 A, 7, 100, 295, pl. iii, fig. 1; pl. v, fig. 2; text-figs. 14, 103, 104.
Lambe, L. M. 1915 A, 10.
Lull, R. S. 1906 A, 144 (Ceratops; to Proceratops).
1907 B, 172.
Merrill, G. P. 1907 A, 65.
Osborn, H. F. 1902 I, 14, 18, 20.
1917 A, 740.
Stanton and Hatcher 1905 A, 43.
Sternberg, C. H. 1909 C, 87.
Sternberg, C. M. 1927 A, 70.

Upper Cretaceous (Judith River); Montana: (Denver or Arapahoe?); Colorado.

Ceratops paucidens Marsh.

Hay, O. P. 1902 A, 500.
Bowen, C. F. 1915 A, 138 (Ceratops); 142 (Trachodon).
Gilmore, C. W. 1924 C, 26 (Hadrosaurus).
Hatcher, J. B. 1902 C, 382, 385 [Trachodon (Hadrosaurus)].
1905 B, 95 (C. paucidus).
1907 A, 103, 295.
Lull, R. S. 1906 A, 144.
1907 B, 295.
Merrill, G. P. 1907 A, 65 (Ceratops); 73 (Hadrosaurus).
Osborn, H. F. 1902 I, 15 (Trachodon).

Upper Cretaceous (Judith River); Montana.

Ceratops sp. indet.

Gilmore, C. W. 1920 A, 64, pl. xxv, figs. 1. 2. Upper Cretaceous (Kirtland); New Mexico.
Williston, S. W. 1907 B, 53 (This genus?). Cretaceous (Rattlesnake); Texas.

CENTROSAURUS Lambe. Type *C. apertus* Lambe.

Lambe, L. M. 1904 D, 81.
Abel, O. 1912 F, 565.
1919 A, 651.
Broili and Fischer 1917 A, 413.
Gilmore, C. W. 1917 A.
Huene, F. 1909 B, 17.
Lambe, L. M. 1905 D, 363 A.
1910 A, 149.
1914 F, 294.
1915 A, 4, 16.
1915 B, 117.
1920 B, 40.
Lull, R. S. 1907 B, 161, 162, 168, 295.
1908 B, 393.
1910 A, 19.
1911 A, 339.
1915 D, 342.
Nopcsa, F. 1916 B, 511.
Parks, W. A. 1925 D, 6.
Romer, A. S. 1927 C, 235, figs. 3, 4, 5 (Kentrosaurus).
Sternberg, C. H. 1915 A, 133.
1917 A, 120.
Sternberg, C. M. 1927 A, 70.
1927 B, 139.
Williston, S. W. 1925 B, 296.
Zittel and Broili 1911 A, 296.
1923 A, 366.

Centrosaurus apertus Lambe.

Lambe, L. M. 1904 D, 81.
Abel, O. 1919 A, 647, fig. 512.
1924 A, 712, fig. 8.
Bowen, C. F. 1915 A, 136.
Brown, B. 1914 B, 550 (Syn. of Monoclonius dawsoni).
Hatcher, J. B. 1907 A, 93, 295, pl. ii, fig. 2; pl. iv, fig. 3; pl. xxiv; text-fig. 93.
Henning, C. L. 1914 A, 771.
Lambe, L. M. 1904 B, 3, pl. i; 1 text-fig.
1905 D, 363 A.
1907 B, 179.
1914 C, 151.
1914 F, 294, 298.
1915 A, 21, pl. iii, fig. 1; pl. vi, fig. 1; pl. ix, fig. 2; pl. xi.
1915 B, 117 (Monoclonius flexus a syn.).
Lull, R. S., in Hatcher, J. B. 1907 A, 90.
1907 B, 167, 168, 179, 295, pl. xxiv; text-fig. 93.
1908 B, 394, fig. 5.
1911 A, 339.
Nopcsa, F. 1916 B, 512.
Parks, W. A. 1925 D, 8.
Sternberg, C. H. 1914 A, 135.
1917 A, 226, figs. 35, 38 ("Centrosaurus").
1918 A, 209 ("Centrosaurus").

Upper Cretaceous (Belly River); Alberta

STYRACOSAURUS Lambe. Type *S. albertensis* Lambe.

Lambe, L. M. 1913 C, 109.
Abel, O. 1916 A, 497, fig. 11.
1919 A, 651.
Anonymous 1914 A, 385.
Brown, B. 1914 B, 551.
1917 A, 282.
1917 B, 140.
Gilmore, C. W. 1914 B.
1917 A, 4.
1921 A, 7.
1922 C, 386, pl. vi.
Gregory and Mook 1925 A, 6.
Henning, C. L. 1914 A, 774.
Lambe, L. M. 1914 C, 151.
1914 G, 385.
1915 A, 4, 17.
Lull, R. S. 1915 D, 342.
1917 B, 526, 528, fig. 166.
1924 A, 244, fig. 32.
Matthew, W. D. 1915 C, 108, fig. 37.
1920 D, 542.
Nopcsa, F. 1923 H, 101.
1928 A, 185.
Osborn, H. F. 1923 C, 2.
Parks, W. A. 1925 D, 6.
Scott, W. B. 1917 A, 119.
Sternberg, C. H. 1917 A, 102, 120, fig. 34.
Williston, S. W. 1925 B, 296.
Zittel and Broili 1923 A, 366.

Styracosaurus albertensis Lambe.

Lambe, L. M. 1913 C, 109, pls. x-xii.
Abel, O. 1919 A, 649, figs. 514, 515.
Anonymous 1914 A, 385.
Brown, B. 1914 A, 540.
1914 E, 378.
Gilmore, C. W. 1914 B.
1917 A, 10.
1921 A, 7, figs. 1-3.
Henning, C. L. 1914 A, 773, figs. 5, 6.
Lambe, L. M. 1914 F, 294, 296, 298.
1914 G, 385.
1915 A, 18, pl. iii, fig. 2; pl. vi, fig. 2.
1915 B, 117.
Lydekker, R. 1915 C, 629.
Matthew, W. D. 1916 A, 484.
Sternberg, C. H. 1914 A, 135.
1917 A, 102, fig. 34 ("Styracosaurus").
1918 A, 206.
Sternberg, C. M. 1927 B, 138, pl. i.
Upper Cretaceous (Belly River); Alberta.

Styracosaurus sphenocerus Cope.

Unless otherwise indicated the authors, as cited, use the generic name *Monoclonius.*
Hay, O. P. 1902 A, 500.
Ballou, W. H. 1897 A, 21, fig. (Monoclonius); 18 (Agathaumas).
Brown, B. 1914 B, 549 (Syn. of M. crassus).
1917 A, 285 (M. sphenoceros).
Bowen, C. F. 1915 A, 136.
Cope, E. D. 1903 A, 872.
Gilmore, C. W. 1917 A, 15 (Styracosaurus).
Hatcher, J. B. 1905 B, 93.
1907 A, 5, 87, 93, 298, pl. iv, fig. 2; text-fig. 91.
Henning, C. L. 1914 A, 774.
Lambe, L. M. 1902 A, 68.
1904 C, 24.
1904 D, 83.
1913 C, 115.
Lull, R. S. 1907 B, 167, 298, fig. 91.
Osborn, H. F. 1902 I, 14.
1904 F, 45 (Agathaumas).
Sternberg, C. H. 1909 C, 87.
1914 A, 134.
Tornier, G. 1913 B, 375, fig. 53 (Agathaumas).
Upper Cretaceous (Judith River); Montana.

TOROSAURUS Marsh. Type *T. latus* Marsh.

Hay, O. P. 1902 A, 499.
Abel, O. 1912 F, 565.
1916 A, 497, fig. 10.
1919 A, 651.
Bowen, C. F. 1915 A, 151.
Brown, B. 1907 A, 841.
1914 A, 539.
1917 A, 282.
Case, E. C. 1898 C, 642.
Gilmore, C. W. 1917 A, 4.
Gregory and Mook 1925 A, 5.
Hatcher, J. B. 1905 B, 102.
1907 A, 300.
Henning, C. L. 1914 A, 771.
Huene, F. 1909 B, 18.
Lambe, L. M. 1912 A, 9.
1915 A, 17.
Lull, R. S. 1905 A, 420.
1907 B, 161, 165, 300.
1908 B, 393.
1911 A, 339.
1912 B, 775.
1917 B, 527, fig. 166.
1924 A, 244, fig. 32.
Lydekker, R. 1915 C, 629.
Marsh, O. C. 1899 C, 72.
Matthew, W. D. 1915 C, 108, 111, fig. 37.
Nopcsa, F. 1901 A, 271.
1923 H, 101.
1928 A, 185.
Osborn, H. F. 1902 I, 9.
1923 C, 2.
Parks, W. A. 1925 D, 6.
Schuchert and Levene 1927 A, 323.
Scott, W. B. 1917 A, 119.
Sternberg, C. M. 1927 A, 70.
Williston, S. W. 1925 B, 296.
Zittel and Broili 1923 A, 366.
Zittel, Eastman, etc. 1902 A, 245.

Torosaurus gladius Marsh.

Hay, O. P. 1902 A, 499.
Bowen, C. F. 1915 A, 140.
Hatcher, J. B. 1907 A, 15, 152, 300, pl. ii, fig. 7; pl. iii, fig. 3; text-figs. 7, 12, 14, 119.
Janensch, W. 1926 A, 195.
Lambe, L. M. 1904 C, 24.
1914 B, 131.

Lambe, L. M. 1914 C, 152.
1915 A, pl. iv, fig. 2; pl. vii, fig. 2.
Lull, R. S. 1907 B, 174, 300; text-figs. 7, 12, 14, 119.
1908 B, 394.
1915 D, 343.
Osborn, H. F. 1902 I, 15.
Schuchert, C. 1910 A, 596.
Upper Cretaceous (Lance); Wyoming.

Torosaurus latus Marsh.

Hay, O. P. 1902 A, 499.
Bowen, C. F. 1915 A, 140.
Hatcher, J. B. 1907 A, 35, 150, 300, fig. 118.
Hay, O. P. 1909 A, 98.
Janensch, W. 1926 A, 195.
Lambe, L. M. 1914 B, 131.
Lull, R. S. 1907 B, 174, 300, fig. 118.
1908 B, 394, fig. 4.
1915 D, 343.
Osborn, H. F. 1902 I, 14.
Parks, W. A. 1925 D, 8.
Pompeckj, J. F. 1920 A, 116.
Schuchert, C. 1910 A, 596.
Upper Cretaceous (Lance); Wyoming.

ANCHICERATOPS Brown. Type *A. ornatus* Brown.

Brown, B. 1914 A, 539, 543, fig. 1.
Abel, O. 1916 A, 497, fig. 10.
Brown, B. 1917 A, 282.
Gilmore, C. W. 1919 A, 110.
Gregory and Mook 1925 A, 6.
Lambe, L. M. 1915 A, 19.
Lydekker, R. 1915 C, 630.
Matthew, W. D. 1915 C, 108, fig. 37.
1920 D, 542.
Nopcsa, F. 1917 A, 211.
1917 B, 340.
1923 H, 101.
1928 A, 185.
Osborn, H. F. 1923 C, 2.
Parks, W. A. 1925 D, 6.
Sternberg, C. M. 1926 A, 103.
1927 A, 70.
Williston, S. W. 1925 B, 296.
Zittel and Broili 1923 A, 365.

Anchiceratops ornatus Brown.

Brown, B. 1914 A, 539, pls. xxix-xxxv; text-fig. 1.
Lambe, L. M. 1915 A, 19.
Sternberg, C. M. 1926 A, 104.
Upper Cretaceous (Edmonton); Alberta.

Anchiceratops sp. indet.

Sternberg, C. M. 1926 A, 104. Upper Cretaceous (Edmonton); Alberta.

LEPTOCERATOPS Brown. Type *L. gracilis* Brown.

Brown, B. 1914 D, 567.
1917 A, 282.
Gilmore, C. W. 1917 A, 35.
Gregory and Mook 1925 A.
Lull, R. S. 1915 D, 342.
Lydekker, R. 1915 C, 631.
Nopcsa, F. 1922 A, 115.
1923 H, 101, 103.
1928 A, 185.
Osborn, H. F. 1923 C, 2.
Parks, W. A. 1925 D, 6.
Romer, A. S. 1927 C, 235, 237, 243, figs. 3, 4, 8, 13.
Steiner, H. 1922 A, 347.
Williston, S. W. 1925 A, 175, 176, fig. 141.
1925 B, 296.
Zittel and Broili 1923 A, 366.

Leptoceratops gracilis Brown.

Brown, B. 1914 D, 567, pl. xlii; text-figs. 1-19.
Gilmore, C. W. 1915 A, 600.
1917 A, 37.
Janensch, W. 1926 A, 196.
Sternberg, C. M. 1926 A, 104.
Upper Cretaceous (Edmonton); Alberta.

DICERATOPS Lull. Type *D. hatcheri* Lull.

Lull, R. S. 1905, in Hatcher, J. B. 1905 A, 413, 417.
Abel, O. 1912 F, 565, 580.
1919 A, 651.
Anonymous 1923 A, 192.
Gilmore, C. W. 1917 A, 4.
Gregory and Mook 1925 A, 6.
Huene, F. 1909 B, 18.
Lambe, L. M. 1915 A, 2, 16.
Lull, R. S. 1905 A, 420.
1907, in Hatcher, J. B. 1907 A, 149.
1907 B, 161, 163.
1908 B, 393.
1915 D, 342.
1917 B, 528.
1924 A, 244.
Nopcsa, F. 1928 A, 185.
Williston, S. W. 1925 B, 296.
Zittel and Broili 1911 A, 296.
1923 A, 365.

Diceratops hatcheri Lull.

Lull, R. S. 1905, in Hatcher, J. B. 1905 A, 417, pl. xviii.
Anonymous 1905 B, 205.
Bowen, C. F. 1915 A, 140.
Gilmore, C. W. 1906 A, 609, pls. xxxiii, xxxiv.
Lucas, F. A. 1906 C, 955.
Lull, R. S. 1905 A, 420, pl. xiv.
1907, in Hatcher, J. B. 1907 A, 149, pl. ii, fig. 5; pl. iv, fig. 12; pl. v, fig. 10; pls. xlvii, xlviii.
1907 B, 168, pls. xlvii, xlviii.
1908 B, 392.
1915 D, 343.
Parks, W. A. 1925 D, 8.
Schuchert, C. 1910 A, 596.
Upper Cretaceous (Lance); Wyoming.

TRICERATOPS Marsh. Type *Ceratops horridus* Marsh.

Hay, O. P. 1902 A, 498 (Triceratops); 499 (Sterrholophus).
Abel, O. 1907 B (76).
1907 F, 462.
1908 D (217).
1912 F, 297, 579, 705, figs. 220, 221.
1916 A, 470, figs. 1, 3, 10.
1919 A, 651.
1920 A, 387, 393, fig. 603.
1922 C, 340, 358, fig. 308.
1924 A, 716.
1925 A, 217, fig. 158.
Anonymous 1910 B, 8.
1923 A, 192.
Beasley, W. L. 1903 B, 87, fig. 3.
Beddard, F. E. 1898 A, 155.
Bigot, A. 1897 A, 462 (Triceratopus, Sterrholophus).
Boule, M. 1902 B, 908, figs. 13, 14.
Bowen, C. F. 1915 A, 151.
Brown, B. 1906 A, 297, figs. 1, 2.
1907 A, 841.
1908 C, 54.
1914 A, 539, 543, fig. 1.
1914 B, 552.
1914 D, 567.
1914 E, 377.
1915 A, 271.
1917 A, 281.
1917 B, 140.
Campbell, M. R. 1915 A, 73, pl. x.
Cannon, G. L. 1894 A, 260.
Cross, W. 1909 A, 42.
Depéret, C. 1896 A, 185.
1912 A, 705.
Dollo, L. 1889 J, 686.
1905 B, 251.
1906 A, 444, 445.
Douglass, E. 1909 C, 277.
Drevermann, F. 1913 A, 10, fig. 2.
Du Toit, P. J. 1913 A, 248.
Fraas, E. 1911 B, 33.
Gaudry, A. 1898 A, 127.
Gilmore, C. W. 1909 A, 210.
1914 A, 66.
1914 B.
1915 C, 58, pl. xi.
1917 A.
1919 A, 97, pls. v-viii; text-fig. 1.
1920 C, 273.
1922 A, 6.
1922 C, 381, pls. i, iii, v, vii, viii.
1924 G, 17, 26.
1925 B, 408.
1927 I, 393, fig.
Gregory, W. K. 1920 A, 126, fig. 46.
Gregory and Mook 1925 A.
Hatcher, J. B. 1905 A, 418.
1907 A, 14, 116, 300, pls. i, xlix; text-figs. 46, 47, 69, 70, 73.
Hay, O. P. 1909 A, 95.
1910 C, 7.
Heilmann, G. 1913 A, 56.
1913 B, 73, fig. 101.
Hennig, E. 1924 A, 146.
Henning, C. L. 1914 A, 770, fig. 1.
Hoernes, R. 1912 A, 660.
Hoffmann, C. K. 1890 B, 1315 (Polyonax).
Hooley, R. W. 1912 A, 449.
1925 A, 26.
Huene, F. 1905 B, 346.
1906 B, 151, fig. 97 (Sterrholophus).
1906 C, 337.
1908 B, 289, 359, 408.
1909 A, 131.
1909 B, 18.
1911 C, 154, fig. 8.
1914 C, 583.
Hutchinson, H. N. 1910 A, 182, pls. xxvii, xxviii.
1917 A, 363, 364.
Janensch, W. 1925 B, 272.
Knipe, H. R. 1912 A, 100, fig.
Knowlton, F. H. 1909 A, 232.
1911 A, 320.
1911 B, 360.
Lambe, L. M. 1912 A, 9.
1915 A, 2, 16.
Lankester, E. R. 1905 A, 207, fig. 149.
Lebedinsky, N. G. 1913 A, 769.
1913 B, 197.
Lucas, F. A. 1901 F, 485, pl. vi.
1901 J, 101, 109, figs. 22, 26.
1902 B, 208, fig.
1902 C, 642, pl. i.
1902 I, 43, figs.
Lull, R. S. 1903 A, 694.
1905 A, 420.
1907, in Hatcher, J. B. 1907 A, 47, 76.
1907 B, 161, 166, 168, 300, pls. x, xxv; text-figs. 55, 61, 82 (Sterrholophus a syn.).
1908 B, 387, fig. 1.
1908 C, 255.
1910 A, 3.
1911 A, 339.
1912 B, 774.
1912 C, 674.
1915 D, 342.
1917 B, 297, 526, 527, figs. 166, 167.
1924 A, 244, 261, 266, fig. 32.
Lydekker, R. 1908 B, 545, fig.
1912 C, 123, 137.
Matthew, W. D. 1910 D, 555.
1910 F, 8.
1915 C, 110, 111, figs. 38, 40.
1920 D, 542.
Nopcsa, F. 1901 A, 270 (Sterrholophus); 271 (Triceratops).
1902 B, 98.
1903 D, 266.
1904 A, 236.
1905 B, 244.
1905 C, 291.
1911 B, 8.
1915 B, 14.
1917 A, 211.
1917 B, 340.
1918 B, 239.
1922 A, 114.
1923 G, 110.
1923 H, 12, 100, 101, 102, 103, 105, pl. iii, fig. 4.
1925 B, 11.

Nopcsa, F. 1928 A, 185.
Osborn, H. F. 1902 I, 9.
1904 F, 19.
1912 G, 233, fig. 1.
1917 A, 738.
1917 B, 225.
1923 C, 2.
1924 L, 145.
Oswald, F. 1909 A, 125 (Triceratops, Sterrholophus).
Parks, W. A. 1925 D, 6.
Petronievics, B. 1919 A, 409, 413, 417.
Pompeckj, J. F. 1920 A, 116, 119.
1921 A, 1, fig. 1.
1922 B, 88.
Rogenhofer, A. 1908 A (42).
Rogers, A. F. 1924 A, 546.
Romer, A. S. 1927 C, 226, figs. 3-5, 8, 10, 12.
Schuchert, C. 1905 A, 458.
1905 B, 133.
Schuchert and Levene 1927 A, 317, fig.
Scott, W. B. 1917 A, 119.
Seeley, H. G. 1892 D, 83.
Seitz, A. L. L. 1907 A, 345.
Shufeldt, R. W. 1916 B, 41.
Stanton, T. W. 1909 A.
1910 A, 64.
Steinmann, G. 1907 A, 452.
1908 A, 220, fig. 130.
Sternberg, C. H. 1909 A, 114.
1909 C, 270.
1911 A, 72.
1911 B, 219.
1917 A, fig. 3.
Sternberg, C. M. 1921 B, 97.
1927 B, 135.
Sternfield, R. 1909 A, 382.
Stremme, H. 1909 B, 796.
1910 A, 550.
Wegemann, C. H. 1918 A, 59.
Whiteaves, J. F. 1901 A, 187.
Whitnal, H. O. 1925 A, 19.
Wieland, G. R. 1911 A, 122.
1912 A, 287.
1912 B, 299.
Wilckens, O. 1911 A, 706.
Williston, S. W. 1925 A, 87, 141, 149, figs. 70, 113, 122.
1925 B, 296.
Woodward, H. 1904 B, 147.
Zittel and Broili 1911 A, 296.
1923 A, 364.
Zittel, Eastmann, etc. 1902 A, 244 (Triceratops); 245 (Sterrholophus).

Triceratops alticornis (Marsh).

Hay, O. P. 1902 A, 500 (Ceratops).
Bowen, C. F. 1915 A, 138.
Cannon, G. L. 1894 A, 258 ("dinosaur").
1906 B, 198.
Cross, W. 1888 A, 132 (Bison).
1896 A, 193 (Ceratops).
Gilmore, C. W. 1922 C, 387 (T. alticornis); pl. iii (T. atticornis).
Hatcher, J. B. 1896 A, 113 (Ceratops).
1907 A, 6, 115, 300, fig. 106 (Ceratops).
Lull, R. S. 1907 B, 170, fig. 106.
Merrill, G. P. 1907 A, 64 (Bison); 65 (Ceratops).
Osborn, H. F. 1902 I, 14 (Ceratops).
Osborn, H. F. 1917 A, 740.
Upper Cretaceous (Denver); Colorado.

Triceratops brevicornus Hatcher.

Hatcher, J. B. 1905 A, 413, pl. xii.
Anonymous 1905 B, 205 (T. brevicornis).
Bowen, C. F. 1915 A, 138.
Brown, B. 1907 A, 842.
1914 E, 358.
Gilmore, C. W. 1917 A, 35.
Hatcher, J. B. 1907 A, 55, 141, 300, pl. iv, fig. 9, pl. v, fig. 7; pls. xl-xlii; text-fig. 48.
Lull, R. S. 1907 B, 169, 300, pls. xl-xlii.
1912 B, 775, fig.
1915 D, 343, 344.
Osborn, H. F. 1923 C, 2.
Parks, W. A. 1925 D, 8 (T. brevicornis).
Schuchert, C. 1910 A, 596.
Upper Cretaceous (Lance); Wyoming: (Hell Creek); Montana.

Triceratops calicornis Marsh.

Hay, O. P. 1902 A, 498.
Abel, O. 1912 F, 564, fig. 437.
Bowen, C. F. 1915 A, 140.
Gilmore, C. W. 1906 A, 608, pl. xxxii.
1917 A, 19.
1919 A, 101.
Hatcher, J. B. 1907 A, 138, 300, pl. iv, fig. 10; pl. v, fig. 8; pls. xxxviii-xl.
Knowlton, F. H. 1909 A, 190.
Lull, R. S. 1907 B, 171, 300, pls. xxxviii-xl.
1912 B, 775 (Syn.? of T. elatus).
1915 D, 343, 344 (Syn.? of T. elatus).
Merrill, G. P. 1907 A, 79.
Nopcsa, F. 1901 B, 217 (T. calcicornis).
Osborn, H. F. 1902 I, 14.
Parks, W. A. 1925 D, 7, 8.
Schuchert, C. 1910 A, 596.
Shufeldt, R. W. 1916 B, 41, fig. 3 (T. galicornis).
Upper Cretaceous (Lance); Wyoming.

Triceratops elatus Marsh.

Hay, O. P. 1902 A, 498.
Bowen, C. F. 1915 A, 138.
Gilmore, C. W. 1919 A, 97, pls. iii, ix.
1920 C, 274, pl. ii.
Hatcher, J. B. 1907 A, 134, 300, pl. xliii; text-figs. 30, 114, 115.
Huene, F. 1911 C, 150, fig. 7 (This species?).
Lambe, L. M. 1915 A, 24, pl. x, fig. 1.
Lull, R. S. 1907 B, 163, 170, 300, pl. xliii.
1912 B, 775, fig. (T. calicornis a syn.).
1915 D, 343, 344 (T. calicornis a syn.?).
Merrill, G. P. 1907 A, 79.
Moodie, R. L. 1923 B, 134, fig. 9.
Osborn, H. F. 1902 I, 14.
Parks, W. A. 1925 D, 8.
Schuchert, C. 1910 A, 596.
Upper Cretaceous (Lance); Wyoming.

Triceratops flabellatus Marsh.

Hay, O. P. 1902 A, 499 (Sterrholophus).
Abel, O. 1925 A, 217, figs. 155, 161.
Boule, M. 1891 A, 16, fig. 3.
Bowen, C. F. 1915 A, 138.
Eimer, G. H. T. 1901 A, 131.

Eisler, P. 1895 A, 52.
Gilmore, C. W. 1919 A, 106, text-fig. 6.
Hatcher, J. B. 1907 A, 15, 143, 300, pl. ii, fig. 3; pl. iii, fig. 4; pl. v, fig. 9; pls. xliv-xlvi; text-figs. 6, 8-11, 14, 15, 17-23, 28, 31, 33, 36, 38, 39, 43, 44, 60-62 (Triceratops, Sterrholophus).
Hay, O. P. 1909 A, 98.
Huene, F. 1911 C, 147, figs. 1, 2, 9.
1914 C, 584, pl. xi, fig. 1.
Jaekel, O. 1911 A, 161, fig. 179.
Koken, E. 1893 B, 433.
Lambe, L. M. 1915 A, pl. ii, fig. 3; pl. v, fig. 2.
Lull, R. S. 1907 B, 171, 300, pls. xliv-xlvi; text-figs. 6, 8-11, 15, 17-23, 28, 31, 33, 36, 38, 39, 43, 44, 60-62.
1915 D, 343, 344.
Lydekker, R. 1912 C, 123, fig. 9.
Osborn, H. F. 1902 I, 14 (Sterrholophus).
Parks, W. A. 1925 D, 8.
Pompeckj, J. F. 1920 A, 118.
1921 A, 4.
Schuchert, C. 1910 A, 596.
Woodward, A. S. 1922 C, 20, fig. 14 (Stereolophus).
Zittel and Broili 1911 A, 295.
1923 A, 363, figs. 475-477.
Upper Cretaceous (Lance); Wyoming.

Triceratops galeus Marsh.

Hay, O. P. 1902 A, 498.
Bowen, C. F. 1915 A, 140, 150.
Cannon, G. L. 1894 A, 254.
Cross, W. 1896 A, 227, 230.
Hatcher, J. B. 1907 A, 132, 300, fig. 111 (A rejected species).
Lull, R. S. 1907 B, 168, 184, 300.
Merrill, G. P. 1907 A, 79.
Osborn, H. F. 1902 I, 14.
Upper Cretaceous (Arapahoe); Colorado.

Triceratops horridus Marsh.

Hay, O. P. 1902 A, 498.
Abel, O. 1925 A, 217.
Bigot, A. 1897 A, 464, fig. 4.
Bowen, C. F. 1915 A, 138.
Brown, B. 1914 A, 543.
Cross, W. 1896 A, 227, 230.
Dollo, L. 1889 J, 686.
Hatcher, J. B. 1907 A, 117, 300, pl. iv, fig. 6; pls. xvii, xxvi; text-figs. 24, 25, 27, 107.
Hay, O. P. 1909 A, 102, 104.
Huene, F. 1914 C, 583, pl. xi, fig. 2.
Knowlton, F. H. 1909 A, 202.
1922 A, 26 (Ceratops).
Lull, R. S. 1907 B, 168, 300, pl. xxvi; text-figs. 24-27, 107.
1915 D, 343, 344.
Osborn, H. F. 1902 I, 14.
Pompeckj, J. F. 1921 A, 11.
Schuchert, C. 1910 A, 596.
Stanton, T. W. 1909 A, 249.
Upper Cretaceous (Lance); Wyoming: (Arapahoe?); Colorado.

Triceratops "ingens."

Lull, R. S. 1915 D, 343 (No description). Upper Cretaceous (Lance); Wyoming.

Triceratops obtusus Marsh.

Hay, O. P. 1902 A, 499.
Bowen, C. F. 1915 A, 138.
Gilmore, C. W. 1919 A, 98, pl. iv.
Hatcher, J. B. 1907 A, 140, 300, pl. iv, fig. 11.
Lull, R. S. 1907 B, 171, 300, figs. 116, 117.
1915 D, 343.
Merrill, G. P. 1907 A, 79.
Osborn, H. F. 1902 I, 14.
Schuchert, C. 1910 A, 596.
Upper Cretaceous (Lance); Wyoming.

Triceratops prorsus Marsh.

Hay, O. P. 1902 A, 499.
Abel, O. 1909 F, 463, fig. 5.
1912 F, 563, fig. 436.
1919 A, 648, figs. 513, 516.
1920 A, 394, fig. 612.
1922 C, 341, fig. 298.
1925 A, 218, figs. 156, 157, 159, 160, 162, 165.
Anonymous 1905 B, 205.
1911 A, 301.
1912 C, 509 ("Triceratops").
1923 A, 192.
Ballou, W. H. 1897 A, 21.
Bigot, A. 1897 A, 463, figs. 1, 6.
Bowen, C. F. 1915 A, 138.
Brown, B. 1906 A, 297, pl. xl.
1917 A, 297.
1919 A, 413, 427, fig. ("Triceratops").
Drevermann, F. 1913 A, 10, fig. 1.
Du Toit, P. J. 1913 A, 247.
Gaudry, A. 1893 A, 22.
Gilmore, C. W. 1905 B, 433, pls. i, ii.
1914 B, 5.
1916 D, 286, fig. 29.
1917 A, 10.
1922 C, 387, pl. vii.
1922 F, 3, pl. iii.
1924 A, 68 (This species?).
1924 D, 27 (This genus?).
Gregory, W. K. 1923 B, 192.
1927 C, 175, fig. 5.
Hatcher, J. B. 1907 A, 14, 127, 300, pl. iv, figs. 7, 8; pl. v, figs. 5, 6; pls. vii-xvii, xxx-xxxvi; text-figs. 5, 29, 35, 37, 40, 41, 49-58, 63-67, 71, 109, 110.
Henning, C. L. 1914 A, 770, fig. 2.
Huene, F. 1908 B, 374, fig. 335.
1909 A, 131.
1911 C, 150, figs. 3, 4, 10.
Jaekel, O. 1911 A, 162, fig. 180.
Janensch, W. 1926 A, 193.
Lull, R. S. 1907, in Hatcher, J. B. 1907 A, 47.
1907 B, 168, 189, 300, pls. vi-xvii, xxx-xxxvi; text-figs. 35, 37, 40, 41, 49-58, 63-67, 71, 109, 110, 124, 125.
1908 B, 387.
1912 B, 775, fig.
1915 D, 342, 343.
Lydekker, R. 1905 A, 304.
Matthew, W. D. 1924 F, 118, fig.

Merrill, G. P. 1907 A, 79.
Nopcsa, F. 1902 B, 97.
Osborn, H. F. 1902 I, 14.
1904 F, 18, 45.
Parks, W. A. 1925 D, 7, 8.
Schuchert, C. 1905 A, 458, pl. xv.
1910 A, 596.
Sternberg, C. M. 1924 A, 68 (This species?).
Woodward, A. S. 1922 C, 21, fig. 15.
Woodward, H. 1906 A, 228-229, with 1 fig.
Zittel and Broili 1911 A, 296, fig. 447.
1923 A, 365, fig. 478.
Zittel, Eastman, etc. 1902 A, 244, fig. 350.
Upper Cretaceous (Lance); Wyoming.

Triceratops serratus Marsh.

Hay, O. P. 1902 A, 499.
Abel, O. 1925 A, 227, figs. 166, 167.
Bowen, C. F. 1915 A, 138.
Brown, B. 1907 A, 842.
1914 E, 358.
Gilmore, C. W. 1917 A, 14.
1919 A, 105, text-figs. 2, 3.
Hatcher, J. B. 1907 A, 122, 300, pl. ii, fig. 4; pls. xxvii-xxix; text-figs. 16, 26, 32, 34, 42, 68, 72.
Hay, O. P. 1909 A, 95, pl. i, fig. 1; pl. ii, fig. 1; pl. iii, figs. 1-3.
Huene, F. 1911 C, 148, 150, fig. 5.
1914 C, 584.
Lambe, L. M. 1902 A, 69.
Lull, R. S. 1903 A, 685, pls. lix, lx; text-fig. 1.
1907 B, 163, 169-300, pls. xxvii-xxix; text-figs. 16, 26, 32, 34, 42.
1908 B, 387, pls. i-iii; text-fig. 6.
1912 A, 212.
1915 D, 343, 344.
Moodie, R. L. 1923 B, 124, pl. xxvi.
Osborn, H. F. 1902 I, 14.
Parks, W. A. 1925 D, 8.
Pompeckj, J. F. 1920 A, 116, fig. 3.
1921 A, 1, 5.
Schuchert, C. 1910 A, 596.
Stromer, E. 1912 A, 89, fig. 90.
Zittel and Broili 1911 A, 296, fig. 446.
Upper Cretaceous (Hell Creek); Montana: (Lance); Wyoming.

Triceratops sulcatus Marsh.

Hay, O. P. 1902 A, 499.
Bowen, C. F. 1915 A, 138.
Gilmore, C. W. 1917 A, 13.
Hatcher, J. B. 1907 A, 133, 300, pls. vi, xxxvii; text-figs. 112, 113.
Hay, O. P. 1909 A, 96, pl. i, fig. 2; pl. ii, fig. 2; pl. iii, fig. 4.
Huene, F. 1908 B, 360, fig. 328.
1911 C, 162.
1914 C, 584.
Lull, R. S. 1907 B, 170, 300, pl. xxxvii, fig. 1; text-figs. 112, 113.
1915 D, 343.
Osborn, H. F. 1902 I, 14.
Pompeckj, J. F. 1920 A, 116, fig. 3.
1921 A, 5.
Schuchert, C. 1910 A, 596.
Upper Cretaceous (Lance); Wyoming.

Triceratops sp. indet.

Hay, O. P. 1902 A, 499.
Bowen, C. F. 1918 A, 231. Upper Cretaceous (Ferris); Wyoming.
Brown, B. 1907 A, 842. Upper Cretaceous (Hell Creek); Montana.
Gilmore, C. W. 1924 D, 27. Upper Cretaceous (Lance); Saskatchewan.
1926 J, 28. Upper Cretaceous (Lance); Wyoming.
Hay, O. P. 1903 D, 119.
Janensch, W. 1926 A, 192, figs. 1, 2. Upper Cretaceous; Mexico.
Moodie, R. L. 1923 B, 245, 266.
Parks, W. A. 1924 B, 38 (This genus?). Cretaceous (Belly River); Alberta.
1925 B, 226 ("new genus"). Alberta.
Stanton, T. W. 1910 B, 183.
Sternberg, C. M. 1924 A, 68. Upper Cretaceaus (Lance); Saskatchewan.
Todd, J. E. 1908 A, 37, pl. xxiii. Upper Cretaceous (Laramie); South Dakota.
Young and Cooper 1927 A, 5, 7.

PENTACERATOPS Osborn. Type *P. sternbergii* Osborn.

Osborn, H. F. 1923 C, 1.
Nopcsa, F. 1928 A, 185.

Pentaceratops sternbergii Osborn.

Osborn, H. F. 1923 C, 1, fig. 1.
Reeside, J. B. 1924 A, 21, 24.
Upper Cretaceous (Fruitland); New Mexico.

AGATHAUMAS Cope. Type *A. sylvestris* Cope.

Cope, E. D. 1872 QQ, 2.
Hay, O. P. 1902 A, 498.
Abel, O. 1912 F, 565.
1922 C, 340 (Agathauma).
Case, E. C. 1898 C, 641.
Gill, T. 1876 A, 153.
Gilmore, C. W. 1917 A, 19.
1922 C, 382.
Hatcher, J. B. 1907 A, 104, 295.
Hay, O. P. 1910 B, 301.
Hoernes, R. 1886 A, 618.
Huene, F. 1909 B, 18.
Lull, R. S. 1907 B, 161, 162, 168, 295.
1912 B, 774.
Nat. Sci. 1898 A, 230.
Nopcsa, F. 1901 A, 270.
Peale, A. C. 1876 A, 153.
Seeley, H. G. 1892 D, 85.
Williston, S. W. 1925 B, 296.
Zittel, Eastman, etc. 1902 A, 244 (Syn. of Triceratops).

Agathaumas sylvestris Cope.

Cope, E. D. 1872 QQ, 2.
Hay, O. P. 1902 A, 498.
Ballou, W. H. 1897 A, 21.
Bowen, C. F. 1915 A, 136.
Cope, E. D. 1872 VV, 1.
1874 B, 435, 442, 445.
1891 N, 43 (A. sylvestre).
Cross, W. 1896 A, 228 ("Agathaumas").
1909 A, 41.
Hatcher, J. B. 1896 A, 113.
1907 A, 4, 105, 295, pl. xxv.
Knowlton, F. H. 1909 A, 215.
1922 A, 8, 25, 63, 64.
Lull, R. S. 1907 B, 168, 295, pl. xxv.
Nopcsa, F. 1901 B, 216 (Monoclonius crassus, a syn.).
Osborn, H. F. 1902 I, 14 (A. sylvestre).
Upper Cretaceous (Black Buttes); Wyoming.

POLYONAX Cope. Type *P. mortuarius* Cope.

Hay, O. P. 1902 A, 498 (Agathaumus, in part).
Hatcher, J. B. 1907 A, 111, 299 (A doubtful genus).
Huene, F. 1909 B, 18.
Lull, R. S. 1907 B, 299.
Nopcsa, F. 1901 A, 270 (Syn. of Monoclonius).
Reynolds, S. H. 1897 A, 271, 274, 277, 284.
A genus of doubtful validity.

Polyonax mortuarius Cope.

Hay, O. P. 1902 A, 498 (Agathaumus).
Bowen, C. F. 1915 A, 138, 150.
Cope, E. D. 1874 B, 433, 448, 451.
Cross, W. 1896 A, 244.
Gilmore, C. W. 1924 C, 26.
Hatcher, J. B. 1902 C, 381, 385 (Polygonax).
1907 A, 5, 8, 112, 299.
Lambe, L. M. 1902 A, 68.
Lull, R. S. 1907 B, 166, 299.
Osborn, H. F. 1902 I, 14 (Polponax).
Upper Cretaceous (Denver or Arapahoe); Colorado.

Superfamily STEGOSAUROIDÆ, new form.

Unless otherwise indicated the authors, as cited, use the name Stegosauria for this group.
Hay, O. P. 1902 A, 495 (Stegosauroidea).
Arldt, T. 1907 D, 683.
Berkey, C. P. 1923 A, 3.
Brown, B. 1907 B, 392 ("stegosauroid dinosaur").
Cannon, G. L. 1894 A, 245 ("stegosaurs").
1906 B, 197.
Case, E. C. 1897 D, 88.
Depéret, C. 1912 A, 705 ("stégosauridés").
Dollo, L. 1889 H, 678 ("stégosauriens").
1905 B, 251 ("prédentariens bipèdes").
Fraas, E. 1911 B, 33 ("stegosaurier").
Fürbringer, M. 1888 A, 1620.
Gadow, H. 1901 B, 425 (Stegosauri).
Geinitz and Deichmüller 1882 B, 15 (Stegosauria).
Gilmore, C. W. 1914 A, 101, 102 (Stegosauridea).
Günther, A. 1886 A, 443 (Stegosauria).
Hatcher, J. B. 1905 B, 102.
1907 A, 156, 299.
Hennig, E. 1912 B, 100 ("stegosaurier").
1915 A, 576 ("stegosaurier").
1915 B, 223.
1915 D, 1-16.
1916 A, 175 ("stegosaurier").
1924 A, 119, 127, 128, 133.
Hoernes, R. 1886 A, 614.
Hoffmann, C. K. 1890 B, 1311 (Stegosauria).
Hooley, R. W. 1912 A, 448, 449.
Huene, F. 1908 B, 370 ("stegosaurier").
1914 A, 145.
Johnson, A. 1883 A, 408.
Koken, E. 1893 B, 365, 397 ("stegosaurier").
1900 A, 464.
Lambe, L. M. 1918 A, 23, 35 (Psalisauria).
Lull, R. S. 1907 B, 279.
1910 A, 3, 18.
1912 A, 211.
1915 C, 325.
1915 F, 837.
1917 B, 505, 522.
1918 C, 131.
1924 A, 237, 241, 263.
Lydekker, R. 1912 C, 121.
Matthew, W. D. 1915 C, 32, 101.
Mook, C. C. 1918 A, 467 ("stegosaurs").
Nopcsa, F. 1901 A, 276 ("stegosaurier").
1902 B, 93 ("bepanzerte dinosaurier").
1917 A, 209 (Stegosauridæ).
1922 A, 115 (Thyreophora).
1923 A, 199 (Thyreophora).
1928 A, 185 (Thyreophoroidea).
Osborn, H. F. 1902 I, 17.
1903 G, 837.
1904 Q, 690.
Palacký, J. 1902 B, 141 ("stegosaurier").
Peale, A. C. 1912 A, 748.
Romer, A. S. 1927 C, 226, 238, 251, 258.
Seeley, H. G. 1888 G, 168. 171.
Simpson, G. G. 1926 H, 208 (Ornithopoda, Stegosauria).
Van den Broeck, E. 1900 A, 85.
Williston, S. W. 1925 A, 95, 170, 176.
1925 B, 214, 295.
Woodward, A. S. 1922 C, 20 (Stegosauria).
Zittel and Broili 1911 A, 293.
1923 A, 359 (Stegosauridæ).

SCELIDOSAURIDÆ Huxley.

Huxley, T. H. 1869 K, 146.
Abel, O. 1919 A, 639 (Stegosaurinæ).
Gilmore, C. W. 1920 A, 65.
Günther, A. 1886 A, 443.
Hoffmann, C. K. 1890 B, 1308, 1311.
Huxley, T. H. 1870 D, 34.
Lydekker, R. 1888 B, 180.
Marsh, O. C. 1895 C, 497, pl. x, fig. 6.

Marsh, O. C. 1896 A, 4, fig. 1 (Scelidosaurus).
1896 C, 243, pl. lxxxiii.
Matthew, W. D. 1921 D, 211.
Nicholson and Lydekker 1889 A, 1160.
Nopcsa, F. 1928 A, 185 (Scelidosaurinæ).
Owen, R. 1861 A, 1-14, pls. i-vi (Scelidosaurus).
Owen, R. 1863 B, 1-26, pls. i-xi (Scelidosaurus).
1875 C (Scelidosaurus).
Romer, A. S. 1927 C, 226.
Zittel, K. A. 1890 A, 741.
Zittel and Broili 1911 A, 293 (Stegosauridæ, in part).

HOPLITOSAURUS Lucas. Type *Stegosaurus marshi* Lucas.

Lucas, F. A. 1902 F, 435.
Gilmore, C. W. 1909 A, 300.
1914 A, 114.
Hennig, E. 1924 A, 124.
Huene, F. 1909 B, 17.
1909 E, 442.
Lull, R. S. 1921 A, 115, 124.
1924 A, chart.
Romer, A. S. 1927 C, 226 (To Acanthopholidæ).

Hoplitosaurus marshi (Lucas).

Lucas, F. A. 1901 D, 591, pls. xxiii, xxiv (Stegosaurus).
Gilmore, C. W. 1909 A, 300 [H. (Stegosaurus)].
1914 A, 114, pls. xxvi-xxx; text-figs. 69-71.
Gilmore, C. W. 1920 A, 65.
Hennig, E. 1924 A, 124.
Lucas, F. A. 1902 F, 435 (Stegosaurus, replaced by Hoplitosaurus).
Lull, R. S. 1921 A, 117, 124.
Merrill, G. P. 1907 A, 77 (Stegosaurus).
Mook, C. C. 1916 A, 145.
Nopcsa, F. 1917 A, 211.
Jurassic or Lower Cretaceous (Lakota); South Dakota.

Hoplitosaurus? sp. indet.

Brown, B. 1920 A, 65.
Gilmore, C. W. 1920 A, 65, pl. xxvi, fig. 2; text-fig. 37 ("armored dinosaur").
Upper Cretaceous (Ojo Alamo); New Mexico.

STEGOPELTA Williston. Type *S. landerensis* Williston.

Williston, S. W. 1905 C, 504.
Eastman, C. R. 1913 B, 678.
Gilmore, C. W. 1914 A, 100, 118.
1920 A, 67.
Hennig, E. 1924 A, 127.
Huene, F. 1909 E, 442.
Lull, R. S. 1910 A, 18.
1921 A, 124.
Moodie, R. L. 1911 F, 257.
Nopcsa, F. 1915 B, 13, 18.
1917 A, 211.
1918 C, 326, fig. 12.
1928 A, 185.
Pompeckj, J. F. 1921 A, 7.
Romer, A. S. 1927 C, 226.
Wieland, G. R. 1911 A, 112, 116.
1912 A, 287.
Wieland, G. R. 1912 B, 300.
Williston, S. W. 1908 J, 630 (Ankylosaurus a syn.).
1909 A, 398.
1909 E, 194.
Zittel and Broili 1911 A, 294.
1923 A, 362.

Stegopelta landerensis Williston.

Williston, S. W. 1905 C, 504.
Gilmore, C. W. 1920 A, 67, pl. xxvi, fig. 1.
Hennig, E. 1924 A, 125, 127.
Moodie, R. L. 1911 F, 257, pls. lv-lix.
1913 A, 248.
Wieland, G. R. 1911 A, 112.
Upper Cretaceous (Benton); Wyoming.

STEGOSAURIDÆ Marsh.

Hay, O. P. 1902 A, 495.
Abel, O. 1919 A, 639 (Stegosauridæ, Stegosaurinæ).
1922 C, 380 ("stegosaurier").
1925 A, 211 ("stegosauriden").
Arldt, T. 1907 D, 683.
1909 A, 263 ("stegosauriden").
1912 A, 668, 679.
Gadow, H. 1896 C, 205 (Stegosauri).
Gilmore, C. W. 1918 A, 475 ("stegosaurs").
1918 C, 383.
1921 E, 589.
1924 E, 43.
Günther, A. 1886 A, 443.
Heilmann, G. 1915 A, 116.
Henning, C. L. 1914 A, 771 ("stegosaurier").
1924 A, 123.
Hoernes, R. 1886 A, 614.
Hoffmann, C. K. 1890 B, 1311.
Huene, F. 1908 B, 372.
Huene, F. 1909 B, 17.
Jaekel, O. 1914 A, 197 ("stegosauriden").
Janensch, W. 1914 B, 83.
1925 B, 270 ("stegosauriden").
Koken, E. 1900 A, 464.
Lambe, L. M. 1918 A, 32.
Lucas, F. A. 1901 J, 106 ("stegosaurs").
Lull, R. S. 1924 A, 242, 264.
Matthew, W. D. 1915 C, 32.
Nopcsa, F. 1901 A, 262.
1902 B, 101.
1903 D, 267 ("stegosauriden").
1907 A, 231.
1911 A, 147.
1912 A, 481 ("stegosaurs").
1915 B, 13.
1917 A, 209.
1918 C, 328.
1922 A, 115.

Nopcsa, F. 1923 H, 103, 104, 126 (Stegosauridæ, Stegosaurinæ).
1928 A, 185 (Stegosauridæ, Stegosaurinæ).
Owen, R. 1875 C.
Reynolds, S. H. 1897 A, 209 (Stegosauria).
Romer, A. S. 1927 C, 226.
Steinmann, G. 1907 A, 451.
Van den Broeck, E. 1900 A, 101.
Wieland, G. R. 1911 A, 112, 118.
Zittel and Broili 1911 A, 293.
1923 A, 336, 361, 366.
Zittel, Eastman, etc. 1902 A, 241.

STEGOSAURUS Marsh. Type *S. armatus* Marsh.

Hay, O. P. 1902 A, 495.
Abel, O. 1907 B, (76).
1908 D, (215).
1909 F, 461.
1910 D, 6.
1911 A, 161.
1912 F, 72, 564, 591, 702, fig. 218.
1916 A, 471, fig. 3.
1919 A, 639, 645, fig. 511.
1920 A, 387, 393, fig. 603.
1922 C, 358, 428, fig. 308.
1924 A, 716.
1925 A, 191, figs. 139, 147.
Berkey, C. P. 1923 A, 3.
Brauns, D. 1890 A, 187.
Broili, F. 1908 A, 14.
Brown, B. 1908 B, 196.
Case, E. C. 1898 C, 640.
Cope, E. D. 1880 U, 146 (Hypsirhophus).
Darton, N. H. 1908 A, 446.
1915 A, 67, pl. x.
Depéret, C. 1896 A, 185.
1912 A, 705.
Dollo, L. 1905 B, 251.
1906 A, 444, 445.
Fraas, E. 1902 A, 80.
Gadow, H. 1901 B, 425.
Gaudry, A. 1896 A, 61, 145.
1898 A, 127.
Gilmore, C. W. 1909 A, 199.
1912 B, 693.
1912 C, 972.
1914 A, 101, 103, 122, pl. xix, fig. 2; pl. xxi, fig. 1; pl. xxv, fig. 5; pls. xxxiii, xxxv; text-figs. 8-10, 14, 18-20, 29, 32, 33, 36, 37, 45, 48-50, 52-54, 61-64.
1915 B, 355.
1915 C, 52, pl. x.
1915 D, 411, 488.
1918 A, 475, figs. 1, 2.
1918 C, 383.
1919 A, 111.
1920 C, 275.
1924 G, 17, 21, 26.
1925 B, 408.
Granger and Gregory 1923 A, 3.
Gregory, W. K. 1901 A, 145.
1916 D, 106.
1920 A, 127.
Hatcher, J. B. 1901 C, 326.
1901 D, 5.
1905 B, 102.
1907 A, 299.
Heilmann, G. 1913 B, 33.
1926 A, 207.
Heilprin, A. 1887 A, 162.
Hennig, E. 1915 B, 220.
1916 A, 178.
1924 A, *passim*.
1925 A, 108.
Hoernes, R. 1886 A, 614.
Holland, W. J. 1912 A, 204, 205, 206.
Hooley, R. W. 1925 A, 9.
Huene, F. 1905 B, 346.
1906 B, 151, fig. 96.
1908 B, 289, 361.
1909 B, 16, 17 (Hypsirrophus).
1910 A, 77.
1914 C, 580, pl. x, figs. 2-4.
1914 G, pl. vii.
Hutchinson, H. N. 1917 A, 363.
Jaekel, O. 1909 C, 707.
Janensch, W. 1925 B, 272.
Knipe, H. R. 1912 A, 90, fig.
Lankester, E. R. 1905 A, 208, fig. 150.
Lebedinsky, N. G. 1913 A, 768.
1913 B, 197.
Lee, Stone, Gale 1915 A, 52, pl. x.
Loomis, F. B. 1901 A, 195.
Lucas, F. A. 1901 J, 106, fig. 24.
1902 B, 170.
1902 C, 643, pl. iv.
1902 E, 469.
1907 A, 47.
1910 A, 73.
Lull, R. S. 1907 B, 299.
1910 A, 3.
1910 B, 1.
1910 C, 361.
1911 B, 176.
1912 C, 672.
1914 D, 358.
1915 C, 325, 332.
1915 F, 837, 905, pl. xxxii, fig. 5.
1917 A, 473, 474.
1917 B, 222, 297, 524.
1918 C, 130.
1921 A, 115.
1924 A, 242, 263, 265, 275, fig. 30.
Lydekker, R. 1885 G, 29.
1903 D, 76.
1910 D, 459.
1911 A, 682.
1912 C, 122.
1915 B, 276.
Matthew, W. D. 1915 C, 31, 102.
Moodie, R. L. 1911 F, 262.
1915 I, 156.
Nopcsa, F. 1901 A, 269.
1902 B, 96.
1902 C, 168.
1905 B, 244.
1905 C, 292.
1911 A, 109, 145, 153.
1911 B.
1912 A, 481.
1915 B, 11.
1917 A, 209.
1917 B, 340, 344, fig. 11.
1918 B, 236, 239.

Nopcsa, F. 1918 C, 326.
1923 A, 195, 198.
1923 D, 106.
1923 H, 103, 197.
1925 A, 19.
1925 B, 11.
1928 A, 185.
Osborn, H. F. 1904 I, 35.
1917 B, 224.
Peck, F. B. 1904 A, 32.
Petronievics, B. 1919 A, 409, 413.
Reed, W. H. 1909 A, 199.
Reynolds, S. H. 1897 A, 272, 280.
Romer, A. S. 1927 C, 226, figs. 3, 8, 12, 20.
Schuchert, C. 1910 A, 582.
1918 B, 252, 254.
Schuchert and Levene 1927 A, 322, fig.
Seeley, H. G. 1887 E, 210.
1888 G, 168 fig.
1892 D, 81.
Seitz, A. L. L. 1907 A, 320.
Shufeldt, R. W. 1916 B, 40.
Simpson, G. G. 1926 H, 205, 206, 208, 209.
1926 I, 454.
Steinman, G. 1907 A, 451.
1909 A, 74, fig. 8.
Sternberg, C. M. 1921 B, 97.
1927 B, 137.
Sternfield, R. 1909 A, 382.
Tornier, G. 1913 B, 373.
Whitnal, H. O. 1925 A, 17.
Wieland, G. R. 1911 A, 112, 118.
1912 A, 287.
1912 B, 300.
Williston, S. W. 1905 B, 346.
1909 A, 397.
1925 A, 149, 150, 175, figs. 122, 141.
Woodward, H. 1904 A, 147.
1904 B, 147.
Zittel and Broili 1911 A, 293.
1923 A, 361.
Zittel, Eastman, etc. 1902 A, 230 (Hypsirophus); 241 (Stegosaurus).

Stegosaurus affinis Marsh.

Hay, O. P. 1902 A, 496.
Gilmore, C. W. 1914 A, 101, 102, 104.
Hennig, E. 1924 A, 119.
Mook, C. C. 1916 A, 144.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado or Wyoming.

Stegosaurus armatus Marsh.

Hay, O. P. 1902 A, 496.
Dollo, L. 1889 H, 678.
Gilmore, C. W. 1914 A, 103, pl. x.
Hennig, E. 1915 B, 223 (Syn. of S. ungulatus).
1924 A, *passim*.
Mook, C. C. 1916 A, 143.
Nopcsa, F. 1911 B, 6, pls. vi, vii (Omosaurus).
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Stegosaurus? discurus (Cope).

Hay, O. P. 1902 A, 496.
Gilmore, C. W. 1914 A, 102, 104.
Hennig, E. 1924 A, 119, 121 (Hypsirophus discursus).
Mook, C. C. 1916 A, 141 (Hypsirophus); 144 (Stegosaurus).
Osborn and Mook 1919 A, 390 (Hypsirhophus).
Upper Jurassic or Lower Cretaceous (Morrison); Colorado.
A species of doubtful position.

Stegosaurus duplex Marsh.

Hay, O. P. 1902 A, 496.
Gilmore, C. W. 1914 A, 55, 102, 103, 104.
Hennig, E. 1924 A, 119, 120.
Lull, R. S. 1910 C, 366.
Mook, C. C. 1916 A, 145.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado or Wyoming.

Stegosaurus longispinus Gilmore.

Gilmore, C. W. 1914 A, 83, 95, 111, pl. xxv, fig. 4; text-figs. 60, 66-68.
1914 A, 81, fig. 45 (S. altispinus, *errore*).
Hennig, E. 1924 A, 127, folder, fig. 3.
Lull, R. S. 1919 B, 237.
Mook, C. C. 1916 A, 145.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Stegosaurus seeleyanus (Cope).

Hay, O. P. 1902 A, 496.
Gilmore, C. W. 1914 A, 102, 104.
Hennig, E. 1924 A, 119, 121 (Hypsirophus).
Mook, C. C. 1916 A, 144.
Locality and level uncertain; probably from Upper Jurassic or Lower Cretaceous (Morrison); Colorado.

Stegosaurus stenops Marsh.

Hay, O. P. 1902 A, 496.
Abel, O. 1919 A, 643, fig. 509.
1922 C, 428, figs. 357, 358.
1925 A, 199, figs. 138, 146.
Brown, B. 1919 A, 409, fig. ("animal").
Eisler, P. 1895 A, 52.
Gilmore, C. W. 1912 C, 972.
1914 A, 1, 4, 104, pls. ii-ix, xi-xvii, xix, fig. 1; pl. xx, figs. 1, 2; pl. xxi, fig. 3; pls. xxii, xxiii, figs. 4-6; pls. xxiv, xxv, figs. 1, 2; pl. xxxiv; text-figs. 3-7, 12, 13, 16, 23, 31, 40, 42, 45, 58.
1915 B, 355, pl. lii; text-fig. 1.
1918 B, 59, 62.
1918 C, 383, pls. lvii-lxiii.
1920 C, 276, pl. iv.
1921 F, 66 ("Stegosaurus").
Hennig, E. 1915 B, 223, 225.
1924 A, *passim*, folder, fig. 1.
Huene, F. 1914 C, pl. x, fig. 1.
Janensch, W. 1925 B, *passim*.
Lull, R. S. 1910 B, 208.
1919 B, 237.
1921 A, 117.
Lydekker, R. 1915 B, 276 (S. stereops).
Marsh, O. C. 1887 C, 416, pl. ix (Diracodon laticeps).
1888 D, 11, pl. iii (D. laticeps).
1896 C, 193, pl. ii (D. laticeps).
Merrill, G. P. 1907 A, 77.

Mook, C. C. 1916 A, 144.
Pompeckj, J. F. 1920 A, 119.
Shufeldt, R. W. 1916 B, 40, figs. 1, 2.
Woodward, A. S. 1898 A, 212, fig. 131.
Zittel and Broili 1911 A, 293, fig. 442.
1923 A, 360, fig. 472.
Zittel, Eastman, etc. 1902 A, 242, fig. 346.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado, Wyoming.

Stegosaurus sulcatus Marsh.

Hay, O. P. 1902 A, 496.
Abel, O. 1919 A, 644, fig. 510.
1922 C, 431, figs. 359, 360.
Gilmore, C. W. 1909 A, 198.
1914 A, 4, 69, 73, 109, pls. xviii, xx, figs. 3, 4; pl. xxiii, figs. 1-3; pl. xxv, fig. 3; text-figs. 38, 39, 41, 57, 65.
Hennig, E. 1924 A, 119, 120.
Lull, R. S. 1910 B, 209, fig. 11.
Merrill, G. P. 1907 A, 77.
Mook, C. C. 1916 A, 145.
Upper Jurassic or Lower Cretaceous (Morrison); Colorado?, Wyoming.

Stegosaurus ungulatus Marsh.

Hay, O. P. 1902 A, 496.
Abel, O. 1909 F, 462, fig. 4.
1912 F, 207, fig. 219.
1919 A, 642, fig. 508.
1920 A, 394, fig. 611.
1922 C, 381, 427, fig. 356.
1925 A, 193, figs. 133-137, 140-145, 149, 150.
Ballou, W. H. 1897 A, 21, 22, fig.
Beard, J. C. 1901 A, 185, fig. 1.
Bigot, A. 1897 A, 465, figs. 5, 9.
Boule, M. 1902 B, 907, figs. 9, 15.
Gadow, H. 1901 B, 426, fig. 100.
Gaudry, A. 1896 A, 145, fig. 118.
Geinitz and Deichmüller 1882 B, 14, 15.
Gilmore, C. W. 1914 A, 4, 142, pls. xxxii-xxxv, xxxvi; text-figs. 11, 15, 17, 21, 22, 24-28, 30, 35, 43-47, 51, 56, 59.
Heilmann, G. 1913 B, 35, figs. 77, 79.
Hennig, E. 1915 B, 223-225.
1924 A, *passim*, folder, fig. 2.
Hutchinson, H. N. 1910 A, 177, pl. xxvi; text-fig. 61.
Jaekel, O. 1911 A, 161, fig. 178.
Janensch, W. 1925 B, 267.
Lönnberg, E. 1910 A, 18.
Lull, R. S. 1910 B, 203, figs. 1-5, 7-10.
1910 C, 361, pl. ii; text-figs. 1-10.
1911 C, 209.
1912 C, 672, figs. 1-4.
1917 A, 475.
1917 B, 524, pl. xii; text-figs. 164, 165.
1919 B, 237.
1921 A, 117.
Mook, C. C. 1916 A, 144.
Nopcsa, F. 1902 B, 97.
1911 A, 113, 149, 153.
1911 B, 14, 18.
Parks, W. A. 1926 A, 10.
Peck, F. B. 1904 A, 33.
Stromer, E. 1912 A, 121, fig. 118.
Tornier, G. 1913 B, 373.
Zittel and Broili 1911 A, 293, figs. 443-444.
1923 A, 361, figs. 473, 474.
Zittel, Eastman, etc. 1902 A, 242, figs. 347, 348.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming, Colorado.

Stegosaurus sp. indet.

Mook, C. C. 1916 A, 96. Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.
Simpson, G. G. 1926 E, 3. Upper Jurassic; Wyoming.

Diracodon Marsh. Type *D. laticeps* Marsh.

Hay, O. P. 1902 A, 496.
Hennig, E. 1924 A, 120, 122, 124, 129.
Hoernes, R. 1886 A, 615.
Huene, F. 1909 B, 17.
Lull, R. S. 1911 C, 208.
1915 C, 333.
Marsh, O. C. 1888 B, 93 (Diracondon).
Nopcsa, F. 1901 A, 267.
1911 A, 115, 146.
1917 A, 209.
1928 A, 185.
Zittel and Broili 1911 A, 294.
Zittel, Eastman, etc. 1902 A, 243.
Not improbably a synonym of Stegosaurus.

Diracodon laticeps Marsh.

Hay, O. P. 1902 A, 496 (in part, Diracondon, *errore*).
Gilmore, C. W. 1909 A, 198, pl. vi.
1912 B, pl. lv.
Hennig, E. 1924 A, 120.
Merrill, G. P. 1907 A, 70.
Mook, C. C. 1916 A, 145.
Jurassic (Morrison); Wyoming.

NODOSAURIDÆ Marsh.

Hay, O. P. 1902 A, 497.
Abel, O. 1919 A, 653 (Nodosaurinæ, part of Ceratopsidæ).
1922 C, 339 (Nodosaurinæ).
Gilmore, C. W. 1921 E, 589.
Hatcher, J. B. 1907 A, 156.
Hennig, E. 1924 A, 123, 127, 129.
Huene, F. 1909 B, 17 (Omosauridæ).
Koken, E. 1900 A, 464 (Notosauridæ).
Lull, R. S. 1921 A, 123.
1924 A, 241, 243, 265.
Matthew, W. D. 1921 D, 211.
Nopcsa, F. 1912 A, 483.
1915 B, 13.
1917 A, 211.
1923 A, 199 (Nodosaurinæ, part of Acanthopholidæ).
1928 A, 185.

Romer, A. S. 1927 C, 226 (Ankylosauridæ).
Wieland, G. R. 1911 A, 112, 118, 119, figs. 4-7.
1912 A, 287.
Wieland, G. R. 1912 B, 299.
Zittel and Broili 1923 A, 362.

Nodosaurus Marsh. Type *N. textilis* Marsh.

Hay, O. P. 1902 A, 497.
Depéret, C. 1896 A, 185.
1912 A, 705.
Gilmore, C. W. 1914 A, 118.
1923 B, 49.
Hatcher, J. B. 1907 A, 155.
Hennig, E. 1924 A, 126.
Huene, F. 1909 B, 17.
Lull, R. S. 1910 A, 18.
1921 A, 98.
1924 A, 243.
Lydekker, R. 1912 C, 123.
Nopcsa, F. 1901 A, 268.
1902 B, 96, 98.
1923 D, 106.
1923 H, 197.
1924 B, 85.
1928 A, 185.
Osborn, H. F. 1902 A, 674.
Pompeckj, J. F. 1921 A, 8.
Romer, A. S. 1927 C, 226.
Wieland, G. R. 1912 A, 287.
1912 B, 300.
Zittel and Broili 1923 A, 362.

Nodosaurus textilis Marsh.

Hay, O. P. 1902 A, 497.
Bowen, C. F. 1915 A, 134, 148, 149.
Gilmore, C. W. 1920 A, 67.
Hatcher, J. B. 1907 A, 155, fig. 120.
Hennig, E. 1924 A, 123.
Lull, R. S. 1912 A, 211.
1921 A, 98, pls. i-iv; text-figs. 1-7.
Moodie, R. L. 1911 F, 263.
Osborn, H. F. 1902 I, 14.
Whiteaves, J. F. 1901 A, 188.
Upper Cretaceous (Benton); Wyoming.

Nodosaurus sp. indet.

Whiteaves, J. F. 1901 A, 184. Upper Cretaceous (Belly River?); Alberta?.

Priconodon Marsh. Type *P. crassus* Marsh.

Hay, O. P. 1902 A, 496.
Clark, Bibbins, Berry 1911 A, 67.
Gilmore, C. W. 1921 E, 588.
Hennig, E. 1924 A, 123, 129.
Huene, F. 1909 B, 17.
Lull, R. S. 1910 A, 29.
1911 C, 208.
Nopcsa, F. 1901 A, 219.
1902 B, 95.
Zittel, Eastman, etc. 1902 A, 243.

Priconodon crassus Marsh.

Hay, O. P. 1902 A, 496.
Clark, Bibbins and Berry 1911 A, 89.
Gilmore, C. W. 1921 E, 588, 591, pl. cx, fig. 3.
Hennig, E. 1924 A, 122, 153.
Lull, R. S. 1911 B, 176.
1911 C, 207, pl. xx, figs. 5, 6.
Merrill, G. P. 1907 A, 76.
Schuchert, C. 1910 A, 586.
Simpson, G. G. 1926 H, 207.
Lower Cretaceous (Arundel); Maryland.

Dioplosaurus Parks. Type *D. acutosquameus* Parks.

Parks, W. A. 1924 C, 5.
Nopcsa, F. 1928 A, 185.

Dioplosaurus acutosquameus Parks.

Parks, W. A. 1924 C, 5-25, pls. i-iv.
Upper Cretaceous (Belly River); Alberta.

Palæoscincus Leidy. Type *P. costatus* Leidy.

Hay, O. P. 1902 A, 497.
Abel, O. 1924 A, 712, fig. 5.
Brown, B. 1914 E, 374.
Cope, E. D. 1880 U, 147.
Gilmore, C. W. 1923 B, 48.
1924 G, 8.
Hatcher, J. B. 1905 B, 102.
Hennig, E. 1915 B, 239.
1924 A, 123, 126, 128, 153.
Huene, F. 1909 B, 17 (=Stegopelta).
1909 E, 442.
Lambe, L. M. 1912 A, 9.
1920 B, 42.
Lull, R. S. 1910 A, 18.
1924 A, 243, 273.
Matthew, W. D. 1922 C, 333, figs. 2, 3, 5, 6.
Moodie, R. L. 1911 F, 261.
Mook, C. C. 1916 A, 155.
Nopcsa, F. 1901 A, 268.
1902 B, 101.
Nopcsa, F. 1917 A, 210, 211.
1923 H, 105, 197.
1928 A, 185.
Osborn, H. F. 1902 I, 17.
Peale, A. C. 1912 A, 748.
Simpson, G. G. 1926 H, 207.
Stanton and Hatcher 1905 A, 38.
Sternberg, C. H. 1903 C, 871.
Sternberg, C. M. 1928 A, 94.
Wieland, G. R. 1911 A, 117.
Williston, S. W. 1902 K, 953.
1905 B, 346.
1905 C, 504.
1909 E, 194.

Palæoscincus asper Lambe.

Lambe, L. M. 1902 A, 54, pl. xvii, fig. 5.
Bowen, C. F. 1915 A, 134, 148-150.
Gilmore, C. W. 1923 B, 48.
Hatcher, J. B. 1903 D, 372.

Hatcher, J. B. 1905 B, 88.
Hennig, E. 1924 A, 125, 153.
Lambe, L. M. 1904 C, 23, 37, 48.
1920 B, 42.
Nopcsa, F. 1918 C, 326, fig. 11 (P. rugosus).
Osborn, H. F. 1902 I, 13, 17.
Williston, S. W. 1902 K, 953.
Upper Cretaceous (Belly River); Alberta: (Lance); Wyoming.

Palæoscincus costatus Leidy.

Hay, O. P. 1902 A, 497.
Bowen, C. F. 1915 A, 134, 148, 150.
Brown, B. 1908 B, 191, fig. 6.
1914 E, 378.
Gilmore, C. W. 1920 A, 67.
1921 E, 588.
1923 B, 48.
1927 G, 1.
Hatcher, J. B. 1905 B, 82, 88.
Hay, O. P. 1910 B, 299.
Hennig, E. 1924 A, 115, 155.
Lambe, L. M. 1902 A, 53.
1904 C, 23, 37, 48.
Lull, R. S. 1911 B, 176.
1911 C, 208.
Nopcsa, F. 1902 B, 95.
1918 C, 326.
Osborn, H. F. 1902 H, 674.
1902 I, 13, 17.
Parks, W. A. 1924 C, 5.
Peale, A. C. 1912 A, 748, 754.
Stanton and Hatcher 1905 A, 50.
Sternberg, C. H. 1914 A, 134.
Sternberg, C. M. 1928 A, 102.
Upper Cretaceous (Judith River); Montana: (Belly River); Alberta: (Lance); Wyoming.

Palæoscincus latus Marsh.

Hay, O. P. 1902 A, 497.
Bowen, C. F. 1915 A, 134.
Cannon, G. C. 1906 B, 195 (This species?).
Hennig, E. 1924 A, 124, 155.
Marsh, O. C. 1896 C, 225, pl. lxxv.
Nopcsa, F. 1918 C, 326, fig. 7.
Osborn, H. F. 1902 I, 13, 17.
Upper Cretaceous (Lance); Wyoming, Colorado?.

Palæoscincus magoder Henning.

Henning, C. L. 1919 A, 771 (nom. nud.).

Palæoscincus sp. indet.

Bowen, C. F. 1915 A, 134. Upper Cretaceous (Lance); Wyoming, Montana.
Brown, B. 1907 A, 842. Upper Cretaceous (Hell Creek); Montana: (Lance); Wyoming.
Marsh, O. C. 1896 C, 225. Upper Cretaceous (Lance); Wyoming.
Matthew, W. D. 1916 A, 484. Cretaceous; Alberta.
Williston, S. W. 1902 K, 952. Upper Cretaceous (Lance); Wyoming.

Panoplosaurus Lambe. Type *P. mirus* Lambe.

Lambe, L. M. 1920 B, 39.
Nopcsa, F. 1928 A, 185.
Sternberg, C. M. 1921 B, 93.

Panoplosaurus mirus Lambe.

Lambe, L. M. 1920 B, 40, pls. i-xii.
Gilmore, C. W. 1923 B, 48.
Parks, W. A. 1924 C, 5, 7.
Sternberg, C. M. 1921 B, 93, pls. i, ii.
1928 A, 93.
Upper Cretaceous (Belly River); Alberta.

Edmontonia Sternberg. Type *E. longiceps* Sternberg.

Sternberg, C. M. 1928 A, 93.

Edmontonia longiceps Sternberg.

Sternberg, C. M. 1928 A, 93, pls. i-iii.
Upper Cretaceous (Edmonton); Alberta.

ANKYLOSAURIDÆ Brown.

Brown, B. 1908 B, 187.
1914 E, 377.
Arldt, T. 1909 A, 263 ("ancylosauriden").
Berkey, C. P. 1923 A, 4 ("ankylosaurs").
Gilmore, C. W. 1916 D, 287.
1920 A, 65.
1921 E, 589.
Hennig, E. 1912 B, 100 ("ankylosauriden").
1924 A, 126.
Huene, F. 1908 B, 408.
1909 B, 17 (Ancylosauridæ).
1909 E, 441 (Ancylosauridæ).
1914 G, pl. vii (Ancylosauria).
Jaekel, O. 1914 A, 197 ("ancylosauriden").
Lambe, L. M. 1918 A, 32.
Lull, R. S. 1918 C, 132 ("ankylosaurs").
1921 A, 124.
Lydekker, R. 1909 C, 461 (Anchylosauridæ).
Matthew, W. D. 1914 B, 387.
1915 C, 32.
Nopcsa, F. 1918 C, 327, 328.
1922 A, 115 (Ancylosauridæ).
1923 A, 199 (Ankylosaurinæ, part of Acanthopholidæ).
1923 H, 126, 197 (Ankylosaurinæ).
1928 A, 185 (Nodosauridæ).
Osborn, H. F. 1923 D, 3 (Ankylosauria).
Sternberg, C. M. 1921 A, 63.
Wieland, G. R. 1909 B, 252.
1911 A, 118.

ANKYLOSAURUS Brown. Type *A. magniventris* Brown.

Brown, B. 1908 B, 188.
Abel, O. 1909 F, 461.
1912 F, 564.
1916 A, 470, figs. 1, 3.
1919 A, 653.
1920 A, 387, fig. 603.
1922 C, 339, 358.
1924 A, 716.
Anonymous 1910 B, 8.
Brown, B. 1908 C, 54.
1914 E, 377.
Campbell, M. R. 1915 A, 74.
Gilmore, C. W. 1914 A, 118.
1915 C, 59, pl. xi.
1915 D, 411, 488.
1923 B, 49.
Huene, F. 1909 B, 17 (Ancylosaurus).
1909 E, 441 (Ancylosaurus).
Lambe, L. M. 1918 A, 32.
1920 B, 42.
Lull, R. S. 1910 A, 19.
1910 B, 205, fig. 6.
1917 B, 526.
1921 A, 99, 124.
1924 A, 243, 266.
Lydekker, R. 1911 A, 181 (Ancylosaurus).
Matthew, W. D. 1910 F, 8.
1912 D, 219.
1915 C, 103, figs. 35, 36.
1920 D, 542.
Moodie, R. L. 1928 C, 1.
Nopcsa, F. 1911 B, 14.
1915 B, 13.
1917 A, 210, 211.
1917 B, 340.
1918 C, 326.
1923 A, 195.
1923 H, 105, 197.
Osborn, H. F. 1917 B, 225.
1923 D, 3.
1924 B, 6.
Pompeckj, J. F. 1921 A, 7, 11.
Romer, A. S. 1927 C, 226, figs. 3-5, 8, 12.
Simpson, G. G. 1926 H, 209.
Steinmann, G. 1909 A, 71.
Sternberg, C. M. 1921 B, 96.
1928 A, 101.
Wieland, G. R. 1911 A, 117, 122.
1912 A, 287.
1912 B, 300.
Williston, S. W. 1908 J, 630.
1909 E, 194.
1925 A, 150.
Woodward, A. S. 1910 C, 13.
Zittel and Broili 1911 A, 294 (Syn. of Palæoscincus).
1923 A, 362.

Ankylosaurus magniventris Brown, B.

Brown, B. 1908 B, 188, figs. 1-5, 9-20.
Abel, O. 1908 D (215), fig. 3.
1912 F, 562.
Bowen, C. F. 1915 A, 134.
Brown, B. 1911 B, 279, fig. ("Ankylosaurus").
1914 E, 358, 374.
1915 B, 157, fig. 48 ("Ankylosaurus").
1919 A, 413 ("Ankylosaurus").
Gilmore, C. W. 1920 A, 67.
Hay, O. P. 1910 B, 300.
Hennig, E. 1924 A, 126, 153.
Huene, F. 1909 E, 441 (Ancylosaurus).
Lydekker, R. 1909 C, 461.
Matthew, W. D. 1915 C, 103, figs. 35, 36 ("Ankylosaurus").
1920 D, 539, fig.
Moodie, R. L. 1911 F, 270.
1928 C, 1, pls. iii, v.
Parks, W. A. 1924 C, 6, 7.
Steinmann, G. 1909 A, 71, figs. 5, 7.
Sternberg, C. H. 1909 B, 257 (Anchylosaurus).
1917 A, 94 (Anchylosaurus).
Sternberg, C. M. 1921 B, 95.
1926 A, 104.
Upper Cretaceous (Hell Creek); Montana.

Ankylosaurus sp. indet.

Gilmore, C. W. 1926 J, 28 (This genus?).
Upper Cretaceous (Lance); Wyoming.

EUOPLOCEPHALUS Lambe. Type *Stereocephalus tutus* Lambe.

Unless otherwise indicated the authors, as quoted, use the name *Stereocephalus.*
Lambe, L. M. 1910 A, 151 (Euplocephalus; to replace *Stereocephalus* preoccupied).
Brown, B. 1908 B, 187, 190.
Gilmore, C. W. 1917 A, 3 (Europlocephalus).
Hatcher, J. B. 1905 B, 102.
Henning, C. L. 1914 A, 771.
Huene, F. 1909 B, 17.
Lambe, L. M. 1902 A, 55.
1903 A, 60.
1903 C, 468.
1918 A, 32.
1920 B, 40 (Euplocephalus).
Lull, R. S. 1911 A, 339 (Euoplocephalus).
1921 A, 125.
Moodie, R. L. 1911 F, 261.
Nopcsa, F. 1903 D, 266.
1905 B, 244.
1917 A, 211 (Stereocephalus; a syn. of Ankylosaurus).
Nopcsa, F. 1918 C, 326.
1923 H, 197 (Europocephalus).
1928 A, 185 (Erroplocephalus).
Osborn, H. F. 1902 I, 9.
Peale, A. C. 1912 A, 748.
Steinmann, G. 1909 A, 73.
Sternberg, C. H. 1917 A, 96.
Sternberg, C. M. 1928 A, 94.
Wieland, G. R. 1911 A, 116, 117.

Euoplocephalus tutus Lambe.

Unless otherwise indicated, the authors, as cited, use the generic name *Stereocephalus.*
Lambe, L. M. 1902 A, 55, pl. xi; pl. xii, figs. 1-5; pl. xxi, figs. 6-8 (Euplocephalus).
Bowen, C. F. 1915 A, 134.
Brown, B. 1908 B, 191, 197, fig. 7.
Gilmore, C. W. 1917 A, 43 (Europlocephalus).
1920 A, 67.
1921 E, 589.
1923 B, 47, 48, pls. ii, iii, iv, fig. 1.
Hatcher, J. B. 1905 B, 89.

Hatcher, J. B. 1907 A, 69.
Hay, O. P. 1910 B, 300.
Hennig, E. 1924 A, 125, 153.
Lambe, L. M. 1904 C, 23, 37, 48.
1910 A, 151 (To Euoplocephalus).
1914 B, 132.
1914 F, 298.
1915 B, 117.
1920 B, 39 (Euplocephalus).
Lull, R. S. 1911 A, 339.
Osborn, H. F. 1902 H, 674.
Osborn, H. F. 1902 I, 14, 17.
Parks, W. A. 1924 C, 7.
Sternberg, C. H. 1915 A, 133 ("Europlocephalus").
1918 A, 212.
Sternberg, C. M. 1926 A, 104.
1928 A, 101.
Upper Cretaceous (Belly River); Alberta.

Euoplocephalus sp. indet.

Gilmore, C. W. 1917 B, 4, 43, fig. 57. Upper Cretaceous (Two Medicine); Montana.

HIEROSAURUS Wieland. Type *H. sternbergii* Wieland.

Wieland, G. R. 1909 B, 250.
Abel, O. 1922 C, 339.
Gilmore, C. W. 1914 A, 118, pl. xxxi, fig. 2 (This genus?).
Hennig, E. 1924 A, 126.
Lull, R. S. 1921 A, 122.
1924 A, chart.
Nopcsa, F. 1915 B, 11.
1917 A, 211.
1923 D, 106.
1928 A, 185.
Wieland, G. R. 1911 A, 112, 113.
1912 A, 288.
Wieland, G. R. 1912 B, 300.
1925 A, 603.
Zittel and Broili 1923 A, 362.

Hierosaurus sternbergii Wieland.

Wieland, G. R. 1909 B, 250, figs. 1-7.
Gilmore, C. W. 1920 A, 67.
Hennig, E. 1924 A, 126 (H. sternbergi).
Moodie, R. L. 1911 F, 271.
Sternberg, C. H. 1909 B, 257 ("armored dinosaur").
Wieland, G. R. 1911 A, 114, 116, figs. 1-3.
Upper Cretaceous (Niobrara); Kansas.

TYLOSTEUS Leidy. Type *P. ornatus* Leidy.

Hay, O. P. 1902 A, 477.
Camp, L. C. 1923 A, 303.
Williston, S. W. 1925 B, 274.
A possible dinosaur of undetermined position.

Tylosteus ornatus Leidy.

Hay, O. P. 1902 A, 477.
Gilmore, C. W. 1927 G, 1, 6.
Cretaceous?; Montana (Head of Missouri River).

Subclass MONOTRETA, new name.

Superorder SQUAMATA Oppel.

Hay, O. P. 1902 A, 463.
Abel, O. 1919 A, 656 (Lepidosauria).
1920 A, 397 (Lepidosauria).
Arldt, T. 1907 D, 662 (Lepidosauria).
Bonaparte, C. L. 1833 B, 1184.
Boulenger, G. A. 1891 D, 113, 117.
1893 B, 206.
1904 C, 480.
Broili, F. 1904 D, 587 ("lepidosaurier").
1926 C, 33.
Broom, R. 1913 C, 508.
1924 B, 40, 65.
Case, E. C. 1905 C, 10.
Cope, E. D. 1891 N, 35, 45.
Day, H. 1915 A, 428.
Dollo, L. 1903 B, 138 ("lépidosauriens").
Fraas, E. 1905 B, 372.
Fuchs, H. 1911 B.
Fürbringer, M. 1904 A, 581.
Gervais, P. 1859 A, 454 ("sauriens").
Gilmore, C. W. 1927 G, 11, 14.
Goodrich, E. S. 1916 A, 263.
Gray, J. E. 1837 C, 131.
Gregory, W. K. 1913 E, 39.
Haeckel, E. 1868 A, 441 (Lepidosauria).
Hayek, H. 1924 A, 138.
Hilzheimer, M. 1913 A, 513 ("lepidosaurier").
Howes and Swinnerton 1901 A, 56.
Huene, F. 1925 D, 233, 238.
Huene, F. 1925 I, 249.
1926 I, 78, 81.
1927 E, 325.
Jaekel, O. 1910 C, 336.
1911 A, 152 (Lyognathi).
Kingsley, J. S. 1912 B, 93.
1925 A, 43.
Koken, E. 1898 A, 141.
Kornhuber, A. 1901 A, 150 (Lepidosauria).
Lull, R. S. 1917 B, 294.
Lydekker, R. 1912 C, 3, 4, 25, 27, 132.
Matthew, W. D. 1921 D, 211.
Moodie, R. L. 1908 D, 463.
Nitzsch, C. L. 1822 A, 82.
Nopcsa, F. 1922 A, 115, 116, 117 (Lepidosauria).
1923 E, 1048.
1923 H, 2, 5-7, 10, 56, 72, 74, 76 (Lepidosauria); 3, 8, 79, 85, 92, 94, 114, 124, 128, 162, 169 (Squammata); 7 (Liognathi).
1924 C, 206.
1925 A, 24 ("squamaten").
1926 A, 634.
1928 A, 174.
Osborn, H. F. 1903 H, 452, 454, 466, 504.
1904 H, 114.
1904 N, 308.
1905 C, 295.
Parker and Haswell 1897 A, 311.
Reynolds, S. H. 1897 A, 198, 272, 278, 280, 286.

Sewertzoff, A. N. 1908 A.
Stejneger, L. 1907 C, 162.
Stejneger and Barbour 1917 A, 42.
Stromer, E. 1912 A, 74, 125.
Thyng, F. W. 1906 A, 58.
Versluys, J. 1912 B, 626, 687 (Lepidosauria).
1919 A, 27 (Lepidosauria).
Watson, D. M. S. 1921 B, 75 (Squamates).
Wegner, R. N. 1922 A, 480 (Lepidosauria).
Williston, S. W. 1902 G, 314.
1904 A, 43, 48.
1904 B, 176.
1911 B, 92.
Williston, S. W. 1912 B, 661.
1914 A, 17, 45, 138.
1914 D, 392.
1917 C, 417 (Squamata); 414, 416, 420 (Parapsida, in part).
1925 A, *passim*.
1925 B, 212, 264 (Squamata); 212 (Parapsida, in part).
Woodward, H. 1904 B, 144.
Zittel and Broili 1911 A, 207 (Lepidosauria).
1923 A, 253 (Squamata); 221 (Parapsida, in part).
Zittel, Eastman, etc. 1902 A, 152.

Order ARÆOSCELOMORPHI, new name.

Abel, O. 1919 A, 654.
1920 A, 394.
Baur, G. 1887 C, 103 (Proganosauria).
1889 L, 311 (Proganosauria).
Brauns, D. A. 1890 A, 160 (Proterosauria).
Gadow, H. 1901 B, 290 (Protorosauri).
Huene, F. 1908 B, 378-386 (Protorosaurus).
Lydekker, R. 1888 B, 301 (Proterosauria).
Nicholson and Lydekker 1889 A, 1130 (Proterosauria).
Nopcsa, F. 1922 A, 115 (Aræoscelidæ); 116 ("araeoscelier").
1923 E, 1055 (Areoscelia).
1923 H, 4, 7, 9, 10 (Protorosauria); 125, tab. (Proterosauria).
1924 C, 207 (Aræoscelia, Aræosceloidea).
Nopcsa, F. 1928 A, 173 (Aræoscelia); 174 (Aræosceloidea).
Williston, S. W. 1913 A, 825 (Aræoscelidia).
1914 D, 400.
1916 B, 235 (=? Protorosauria).
1925 A, 62, 66 (Protorosauria).
1925 B, 212, 259 (Protorosauria).
Zittel, K. A. 1890 A, 449 (Proterosauria); 592, 594 (Protorosauria).
Zittel and Broili 1911 A, 203 (Protorosauridæ).
1923 A, 251 (Protorosauria).

A group of very uncertain position. Referred by Williston with doubt to Squamata or to the Protorosauria. Citations to the literature of the Protorosauria are presented above.

ARÆOSCELIDÆ Williston.

Williston, S. W. 1910 F, 587.
Arldt, T. 1912 A, 656.
Case, E. C. 1915 A, 99, 122, 145 (Areoscelidæ).
Eastman, C. R. 1912 C, 657.
Huene, F. 1913 B, 377.
1925 D, 237, 238.
Nopcsa, F. 1924 C, 207.
1928 A, 174.
Williston, S. W. 1911 B, 71.
1911 C, 631.
1916 B, 236.
1925 B, 259.
Zittel and Broili 1923 A, 251.

ARÆOSCELIS Williston. Type *A. gracilis* Williston.

Williston, S. W. 1910 F, 587.
Abel, O. 1919 A, 654, 656.
1920 A, 394.
Broili, F. 1926 C, 33.
Broom, R. 1913 D, 511.
1924 B, 40, 63.
Camp, L. C. 1923 A, 310, 337, 347, etc., fig. 77.
Case, E. C. 1915 A, 102, 108, 145 (Areoscelis).
Gilmore, C. W. 1927 G, 11, 12, 100, text-figs. 3, 4.
Goodrich, E. S. 1916 A, 269.
Gregory, W. K. 1920 A, 130, fig. 48.
Haughton, S. H. 1924 A, 9.
Huene, F. 1925 D, 234, 236, fig. 9.
1926 F, 469, 473.
1926 I, 80, 81, 86.
1927 E, 324.
Lydekker, R. 1915 C, 634.
Nopcsa, F. 1922 B, 166.
1923 E, 1047.
1923 H, 12, 68-71, 73, 74, 92, 169, pl. ii, fig. 7; pl. iv, fig. 6.
1924 C, 206, 207.
1928 A, 174.
Osborn, H. F. 1917 B, 186, fig.
1918 D, 687.
Romer, A. S. 1922 B, *passim*, pl. xxxvii.
Sollas, W. J. 1916 A, 115.
Sushkin, P. P. 1927 A, 313.
Thorpe, M. R. 1926 A, 77.
Watson, D. M. S. 1913 D, 24 (Areoscelis).
1914 B, 89, 94 (Acrosceles).
1914 G, 1005.
1917 C, 180.
Williston, S. W. 1911 B, 66.
1911 F, 662
1913 A, 825.
1913 C, 743.
1914 A, 133, 138, fig. 62.
1914 D, 364, 400.
1914 E, 121.
1916 B, 236.
1917 C, 418, fig. 4.
1925 A, 11, 62, 113, 161, 172, 190, 192, 195, figs. 52, 53, 155.
1925 B, 259, figs. 179, 180.
Zittel and Broili 1923 A, 252, 253.

Aræoscelis gracilis Williston.

Williston, S. W. 1910 F, 587, pl. i, figs. 4-19.
Abel, O. 1919 A, 654, fig. 517.
1920 A, 396, figs. 615, 616.
Case, E. C. 1915 A, 99, 146, text-fig. 31 (Areoscelis).
Gilmore, C. W. 1926 A, 9, 35, text-fig. ("Aræoscelis").
Huene, F. 1912 B, 56, fig. 4.
Osborn, H. F. 1918 D, 686.
Williston, S. W. 1913 C, 743, fig. 1.
1914 D, 364, figs. 1-5, 7, 8.
Permian (Clear Fork); Texas.

Order THALATTOSAUROMORPHI, new name.

Unless otherwise indicated, the authors, as cited, employ for this order the name Thalattosauria.

Abel, O. 1912 F, 123, 509.
1919 A, 656, 661.
Broom, R. 1922 A, 24, 25
1924 B, 48, 64, fig. 13.
Bryant, H. C. 1914 B, 155.
Huene, F. 1910 B, 45.
1912 B, 54 ("thalattosaurier").
Merriam, J. C. 1904 A, 420.
1904 C, 218.
1905 E, 248.
1905 F, 1-52.
1915 G, 97 ("thalattosaurs").
Nopcsa, F. 1922 A, 115, 116 ("thalattosaurier").
1923 H, 8, 9, 56, 57, 60, 123, tab.
Nopcsa, F. 1928 A, 172 (Thalattosauroidea).
Pompeckj, J. F. 1910 A, 132.
1925 A, 6, 10 ("thalattosaurier").
Steinman, G. 1907 A, 442.
1908 A, 235, 237 ("thalattosaurier").
1912 A, 52 ("thalattosaurier").
1912 B, 718, 721.
Versluys, J. 1912 B, 625.
Watson, D. M. S. 1917 C, 178, 185.
Williston, S. W. 1909 A, 395 ("thalattosaurs").
1914 A, 17, 45, 171.
1917 C, 414.
1925 A, 113, 135, 169.
1925 B, 213.
Zittel and Broili 1911 A, 206.
1923 A, 251, 383.

THALATTOSAURIDÆ Merriam.

Merriam, J. C. 1904 A, 420.
Huene, F. 1925 I, 248 ("thalattosaurier").
Merriam, J. C. 1905 E, 248.
1905 F, 5.
Nopcsa, F. 1923 H, 123.
1928 A, 172.
Tornier, G. 1913 B, 350.
Zittel and Broili 1911 A, 206.

THALATTOSAURUS J. C. Merriam. Type *T. alexandræ* Merriam.

Merriam, J. C. 1904 A, 419.
Abel, O. 1919 A, 663.
1928 A, 369.
Broom, R. 1922 A, 24.
1925 A, 9.
Camp, C. L. 1923 A, 348.
Dollo, L. 1913 B, 622.
Heilmann, G. 1926 A, 11, fig. 5.
Huene, F. 1910 B, 46.
1912 B, 56.
1925 I, 247.
Merriam, J. C. 1905 E, 247.
1905 F, 7, 33.
1908 A, 217, 218.
Merriam and Camp 1916 A, 171.
Nopcsa, F. 1923 H, 57, 76.
1928 A, 172.
Williston, S. W. 1914 A, 172, figs. 82-84.
1925 A, 74, 113, figs. 61, 87.
Zittel and Broili 1923 A, 251.

Thalattosaurus alexandræ J. C. Merriam.

Merriam, J. C. 1904 A, 419, fig. 1.
Abel, O. 1919 A, 662, fig. 519.
1920 A, 397, fig. 617.
1922 C, 306, fig. 258.
Broom, R. 1922 A, 23, fig. 4.
Huene, F. 1910 B, 45, figs. 12, 14, 16.
1912 B, 55, figs. 1, 2.
1925 I, 247, text-figs. 25-27.
Merriam, J. C. 1905 E, 247.
1905 F, 7, 34, pls. i, ii; pl. iv, fig. 1; pl. v, figs. 1, 2; pl. vi; pl. vii, figs. 1-3, 8, 9; pl. viii, figs. 1-2, 4-6.
1908 C, 62, fig. 88.
Pompeckj, J. F. 1910 A, 133.
Zittel and Broili 1923 A, 251.
Triassic (Hosselkus limestone); California.

Thalattosaurus perrini J. C. Merriam.

Merriam, J. C. 1905 F, 36, pl. iv, fig. 3; pl. v, fig. 3; pl. vii, fig. 6. (With *Scenodon* as alternative generic name).
Huene, F. 1922 D, 279 (Shastasaurus).
Merriam, J. C. 1908 A, 218.
Triassic (Hosselkus limestone); California.

Thalattosaurus shastensis J. C. Merriam.

Merriam, J. C. 1905 F, 35, pl. iii; pl. iv, figs. 2a-2c; pl. vii, figs. 4, 7; pl. viii, figs. 3, 7, 8.
Huene, F. 1910 B, 46, fig. 13.
1912 B, 56, fig. 3.
Merriam, J. C. 1908 A, 219.
Triassic (Hosselkus limestone); California.

NECTOSAURUS Merriam. Type *N. halius* Merriam.

Merriam, J. C. 1905 F, 37.
Abel, O. 1919 A, 663.
Merriam, J. C. 1908 A, 217.
Moodie, R. L. 1909 C, 123.
Nopcsa, F. 1923 H, 57.
1928 A, 172.
Versluys, J. 1910 B, 230.
Watson, D. M. S. 1917 C, 178.
Zittel and Broili 1923 A, 251.

Nectosaurus halius Merriam.

Merriam, J. C. 1905 F, 37, pl. iv, figs. 4, 5; (pl. v, figs. 4-6. This species?); pl. vii, fig. 5.
1908 A, 217, pls. xvii, xviii.
Triassic (Hosselkus limestone); California.

Order SAURIA Macartney.

Hay, O. P. 1902 A, 473.
Abel, O. 1909 F, 467 ("eidechsen").
1912 F, 272, 300, 414, 681.
1914 E, 341 ("eidechsen").
1919 A (Lacertilia).
1920 A, 397 ("eidechsen").
1921 A, 252 ("lacertilier").
Ahlborn, F. 1896 B, 7 ("eidechsen").
Allis, E. P. 1919 B, 84.
1923 A, 50.
Altmann, F. 1925 A, 94 ("saurier").
Ameghino, F. 1909 B, 108 ("lizards").
Anderson, R. J. 1912 D, 251.
Andreae, A. 1903 A, 150.
Anthony, R. 1912 A ("lacertiens").
1913 A, 248 ("saurier").
Arldt, T. 1907 C, 677 ("eidechsen").
1907 D, 661.
1912 A, 678.
Arthaber, G. 1910 A, 552 ("lacertilier").
Bardeleben, K. 1901 A ("saurier").
1903 A, 27 ("lacertilier").
1904 A, 109 ("saurier").
Batelli, A. 1880 A, 357 (Lacerta).
Baur, G. 1887 H, 48 ("lacertilier").
1890 F, 157 (Lacertilia).
1894 B, 350 (Lacertilia).
Beddard, F. E. 1904 B, 6.
Beecker, A. 1903 A, 565 ("saurier").
Beer, G. R. 1926 A, 312, fig. 82 (Lacertilia).
Bender, O. 1911 A, 173 ("lacertilier").
Beyer, H. 1907 B, 279, figs. 8, 9 ("saurier").
Bittner, F. 1912 A, 7 ("eidechsen").
Blainville, H. M. D. 1835 A, 243.
Blanchard, E. 1861 A, 375 ("sauriens").
Bluntschli, H. 1912 B, 383 ("saurier").
Boas, J. E. V. 1914 B, 559 ("saurier").
1914 C, 268 ("saurier").
Bogoljubsky, S. 1914 A, 620.
Bojanus, L. H. 1821 A, 1162 (Lacerta).
Bolk, L. 1913 A, 70 (Lacertilia).
1923 B, 374, fig. 4 (Lacerta).
Bonaparte, C. L. 1832 A, 313 (Lacertiformes, Saurii).
1833 B, 1184 (Saurii).
1840 A, 36 (Sauria).
Boulenger, G. A. 1885 B, 77 (Lacertilia).
1891 D, 114 (Lacertilia).
1893 B, 205.
1901 B, 402.
1917 C, 457 ("lacertiliens").
1918 E, 517 ("lacertiliens").
Brandt, J. F. 1865 A, 19 ("eidechsen").
Brauns, D. 1890 A, 147, 149, 160, 202 ("lacertiden," "lacertilien").
Braus, H. 1906 A ("lacertilier").
Broili, F. 1908 E, 296 ("lacertilier").
1926 C ("lacertilier").
Bronn, H. G. 1849 A, 812, seq. (Saurii).
Broom, R. 1896 A, 480.
1897 C, 279.
1901 A, 188.
1902 B, 168 ("lizard").
1902 D, 552 ("lizards").
1903 I, 546.
1903 J, 107.
1903 K, 1 ("lizards").
1906 F, 373 ("lizards").
1909 B, 162 ("lizard").
1911 A, 922 ("lizards").
1912 A, 627 ("lizards").
1913 C, 507 ("lizards").
1913 P, 227 ("lizards").
1922 A, 17, 18, 24, 25 (Lacertilia).
1924 B, 40 ("lizards"); 50, 64, fig. 13 (Lacertilia).
1925 A, 1-16 ("lizards").
1927 A, 74 ("lizards").
Camp, L. C. 1923 A, 289-481, figs. 1-112.
Camper, A. 1812 A, 218, pls. i-iii ("lézards").
Carlsson, A. 1896 A, 758 ("saurier").
Cartier, O. 1874 A, 192 ("eidechsen").
Carus, V. 1875 A, 432.
Carus and Engelmann 1861 A, 1093-1095, 1562, 1674, 1800.
Case, E. C. 1910 C, 192.
1923 A, 517 (Lacertilia).
Chapman, H. C. 1894 A, 49 ("lizard").
Clason, E. 1871 A, 300-376 ("eidechsen").
Cleland, J. 1863 B, 309 ("lizards").
Cligny, A. 1899 A, 126 ("sauriens").
Cope, E. D. 1885 FF, 796 ("lizards").
1891 N, 45 (Lacertilia).
1892 CC, 223 (Lacertilia).
Cutler, I. E. 1924 A, 144 (Lacertilia).
Cuvier, G. 1803 A, 168 ("sauriens").
1805 A ("sauriens").
1815 A, 106 ("lézards").
1825 A, v, 2, 251-299, pls. xvi, xvii ("lézards").
Dabelow, A. 1926 A, 95 ("saurier").
Dana, J. D. 1863 C, 343 ("lacertoids").
Dendy, A. 1907 A, 286.
Denker, A. 1901 A, 661 ("saurier").
Döderlein, L. 1900 A, 332 (Lacertilia).
Dollo, L. 1883 G, 579.
1884 E, 65 (Lacertilia).
1889 E, 162.
1893 D, 4 ("lacertiliens").
1903 B, 138 ("lacertiliens").
1904 B, 218.
1905 A, 126 ("lacertiliens").

Dollo, L. 1923 A, 80 ("lacertiliens").
1924 A, 211 ("lacertiliens").
Dombrowski, B. A. 1925 A, 72, fig. 5 (Lacertilia).
Duerden, J. E. 1924 A, 561 ("lizards").
Du Toit, P. J. 1911 A, 417 ("eidechsen").
Edgeworth, F. H. 1907 A, 516 (Lacertilia).
Eichwald, E. 1832 A, 869 ("eidechsen").
Eimer, G. H. T. 1901 A, 248 ("saurier").
Eisler, P. 1895 A, 13 ("saurier").
Fejérváry, G. J. 1918 A (Lacertilia).
Fischer, E. 1903 A, 386 ("eidechsen").
Fleischmann, A. 1910 A, 682, 695 ("saurier").
Fraas, E. 1905 B, 372.
Frassetto, F. 1915 A ("sauri").
Fuchs, H. 1906 A, 8 ("saurier").
1907 B, 413 ("saurier").
1907 C, 23 ("saurier").
1908 A, 359 ("lacertilier").
1908 B, 585 ("saurier").
1908 C, 174 ("saurier").
1909 B, 131, 149, 157 (Lacertilia).
1909 D, 26 ("lacertilier").
1910 A, 39 ("lacertilier").
1910 B, 252 ("lacertilier").
1911 A, 52 ("saurier").
1912 B, 82 ("saurier").
1912 D, 156 ("lacertilier").
1927 A, 309.
Fürbringer, M. 1888 A, 1620 (Lacertilia).
1902 A, 203 ("lacertilier").
1902 B, 727, 732 ("lacertilier").
1904 A ("lacertilier").
Gadow, H. 1901 A, 398.
1901 B, 490, 491 (Autosauri or Lacertilia).
1902 B, 359.
1905 A, 211.
1914 A, 508 ("lizards").
Gaupp, E. 1891 B, 107 ("saurier").
1895 A, 58, seq. ("saurier").
1899 A, 1034, 1067 ("lacertilier").
1900 A, 439 ("saurier").
1902 A, 169 ("saurier").
1905 A, 277 ("saurier").
1905 C, 127 ("saurier").
1905 D, 1008 ("saurier").
1905 E, 159 ("saurier").
1906 B, 757 ("saurier").
1908 A, 182 ("saurier").
1908 B ("saurier").
1910 A, 531 ("saurier").
1910 B, 358 ("lacertilier").
1910 C, 385 ("saurier").
1910 D, 86 ("saurier").
1911 A, 423 ("saurier").
1911 B, 104 (Sauria).
1911 C, 444, 446 ("saurian").
1911 D, 635 ("saurier").
1911 E, 404 ("saurier").
1912 B, 239 ("saurier").
1913 A, 47 ("saurier").
Gegenbaur, C. 1863 A, 466 ("saurier").
1864 C, 190 ("eidechsen").
1865 C, 562 ("lizards").
1866 A, 123 ("eidechsen").
1871 A, 201 ("eidechsen").
1880 A, 596 ("eidechsen").
Gelderen, C. 1922 A, 223.
Gelderen, C. 1923 A, 15.
1925 A, 495 ("saurier").
Geoffroy St.-Hilaire, E. F. 1825 B, 127 ("lézards").
1832 A, 353 ("lézards").
Gervais, P. 1852 A, 257 ("sauriens").
1853 B, 44 ("sauriens").
1859 A, 454 ("sauriens").
Giebel, C. G. 1855 A, 91 (Lacertici).
Gill, T. 1886 C, 801 ("lizards").
1907 A, 493 ("lizards").
Gilmore, C. W. 1927 G, 4, 14.
Göppert, E. 1905 A, 532 (Sauria).
Goodrich, E. S. 1916 A, 264, 273 (Lacertilia).
Goodsir, J. 1857 A (Sauria).
Gottlieb, H. 1914 A, 195 ("saurier").
Gray, J. E. 1825 A, 196 (Sauri).
1837 C, 132 ("saurians").
Greene, J. R. 1861 A, 219, 226.
Gregory, W. K. 1913 E, 3.
Gregory and Adams 1915 A, 763 ("lizards").
Gregory and Noble 1924 A, 437, fig. 5 (Lacertilia).
Haeckel, E. 1868 A, 453, 455 (Lacertilia).
1873 A, 512, 531.
Haller, G. 1924 A, 306, figs. 1, 3, 7 (Lacerta).
Hanson, F. B. 1920 B, 332, 337 (Lacertilia).
Harkness, R. 1852 A, 258 (Sauriæ).
Hayek, H. 1924 A, 147 ("eidechsen").
Heilmann, G. 1914 A, 60, 75 (Lacertilia).
1926 A, 205-206 (Lacertilia).
Heilprin, A. 1887 A, 45, 315, 320 ("lizards").
Henshaw, H. W. 1912 A, 318 ("lizards").
Hoernes, R. 1886 A, 604 (Sauria).
Hoffmann, O. 1905 A ("saurier").
Hollard, H. 1864 C, 368 ("sauriens").
Hommes, J. H. 1924 A, 36 (Lacertilia).
Howes, G. B. 1891 A, 156 (Lacertilia).
1893 C, 587 ("lizards").
Howes and Swinnerton 1901 A, 17, 30, 54.
Huene, F. 1908 F, 403 ("saurier").
1910 B, 5.
1910 D, 313 ("lacertilier").
1922 G, 451 ("eidechsen").
Huxley, T. H. 1859 D, 401, 449.
1859 F, 137.
1862 A, liii.
1863 F, 476, 529, figs. 43, 44, 46, 47.
1867 D, 83.
1867 F, 173.
1869 H, 389.
1870 F, 529, 538, 547.
1875 E, 73, 83.
1876 F, 173.
1877 A, 50.
1879 A, 398.
1887 B, 655.
Jaekel, O. 1905 B, 61.
1910 C, 336 (Lacerti).
1911 A, 154 (Lacerti).
Janensch, W. 1906 A, 27 ("lacertilier").
Johnson, A. 1883 A, 406 ("lizards").
Juhn, M. 1923 A, 65-110 (Lacerta).
Kerbert, C. 1876 A, 206 ("saurier").
Kesteven, H. 1916 A, 305 (Lacertilia).
1922 A, 316 (Lacertilia).
Kingsley, J. S. 1900 A, 214 ("lizards").
1901 A, 198 ("lizards").

Kingsley, J. S. 1912 B, 93 ("lizards").
1925 A, 44, 54, 152, 154 (Lacertilia).
Klaauw, C. J. 1924 B, 581 (Lacertilia).
Klein, E. E. 1868 A ("saurier").
Köstlin, O. 1844 A ("saurier").
Koken, E. 1887 B, 33 ("lacertilier").
1898 A, 141 ("lacertilier").
Kornhuber, A. 1901 A, 151.
Kühne, K. 1914 A, 407 ("eidechsen").
Laaser, P. 1903 A, 575 ("eidechsen").
Lakjer, T. 1927 A, 343-354.
Lavocat, A. 1885 A, 35 ("lacertiens").
1889 A, 44 ("lizards").
Lebedinsky, N. G. 1913 A, 767 ("lacertilier").
Leche, W. 1893 C, 797 ("saurier").
Le Damany, P. 1902 A, 334 ("sauriens").
1903 G, 314 ("sauriens").
Leunis and Ludwig 1883 A, 545.
Leydig, F. 1873 A, 761 ("eidechsen").
1890 A, 443 ("eidechsen").
Lobley, J. L. 1908 A, 198.
Lorenz, L. E. F. 1807 A, 19 (Sauria).
Lubosch, W. 1926 A, 103 ("lacertilier").
Lull, R. S. 1910 D, 152.
Lydekker, R. 1912 C, 3, 4, 41.
Mantell, G. A. 1844 A, 753 ("lacertians").
Matthew, W. D. 1915 A, 288.
1921 D, 214 (Lacertilia).
Meckel, J. F. 1825 A ("saurier").
Meek, A. 1908 A, 1, fig. 1 ("lizard").
Mehnert, E. 1891 A, 123 ("eidechsen").
Menmuir, W. H. 1902 A, 273 (Sauria).
Mitchell, P. C. 1894 A, 212 ("lizards").
Mivart, St. G. 1871 B, 381 ("saurians").
1879 B, 538 ("lizards").
1888 A, 374.
Mivart and Clarke 1879 A, 513 ("lizards").
Moodie, R. L. 1907 A, 84.
1908 D, 462.
1909 G, 362.
Müller, J. 1832 A, 507 (Saurii).
1841 B, cliv ("eidechsen").
1841 C, 329 ("eidechsen").
Nauck, E. T. 1923 A, 18, figs. 3, 4 ("lacertilier").
Newton, E. T. 1888 B, 439 ("lizards").
Nitzsch, C. L. 1822 A, 68 (Sauria).
Nopcsa, F. 1903 A, 119.
1908 A, 33 ("eidechsen").
1922 A, 115 ("lacertilier").
1923 E, 1047 (Lacertilia).
1923 G, 138 ("lepidosaurier").
1923 H, 1-174, tab. (Lacertilia).
1924 B, 86 ("lacertilier").
1926 A, 644 (Lacertilia).
1928 A, 163, 174 (Sauroidea).
Nowikoff, M. 1907 A, 364 ("saurier").
1910 A, 118 ("saurier").
1910 B, 167 ("saurier").
1912 A, 334 ("saurier").
Osborn, H. F. 1903 H, 456.
1904 H, 114.
1905 C, 295.
1905 N, 239 ("lizards").
1912 K, 53.
1917 B, 193, 201, 231.
1925 F, 962 (Lacertilia).
Otto, H. 1908 A, 193 ("saurier").
Owen, R. 1842 F, 73, 77 (Sauria).
Owen, R. 1845 B, 234 ("saurians").
1848 B.
1868 A, 887.
Palacký, J. 1894 A, 129 ("eidechsen").
1899 C, 247 ("eidechsen").
1902 B, 142, 145 ("eidechsen").
Paramore, R. H. 1910 A, 1462 ("lizards").
Parker, W. K. 1864 B, 56 (Lacertilia).
1869 A, 505 ("lizards").
1878 C, 214.
1881 B, 99.
1888 C, 397 ("lizards").
Parker and Haswell 1897 A, 312.
Parsons, F. G. 1903 A, 316 ("lizards").
Pearson, H. G. 1921 A, 20 (Lygosoma).
Peter, K. 1898 A, 570 ("saurier").
Peters, W. 1867 A, 725 ("saurier").
1868 B, 388 ("lizards").
1869 A, 6 ("eidechsen").
Pfeiffer, H. 1854 A, 12, 39 ("saurier").
Pictet, F. J. 1853 A, 500 ("lacertiformes").
Plieninger, F. 1906 A, 406 ("lacertilier").
Rabl, C. 1903 A, 158, 163 ("saurier").
Reichert, K. B. 1849 A, 498 ("eidechsen").
Reynolds, S. H. 1897 A, 545, fig. 54 (Lacertilia).
Rice, E. L. 1920 A.
Romer, A. S. 1922 A, 39 ("lizards").
1922 B, *passim* ("lizards").
Sabatier, A. P. 1897 A, 808 ("lizards").
1897 B, 933 ("lizards").
1902 A, 100 ("sauriens").
Schauinsland, H. 1899 A, 333 ("saurier").
1906 A ("saurier").
Schmalhausen, J. J. 1923 A, 541 (Lacertilia).
Schmidt, W. J. 1909 A, 359 ("saurier").
1910 A ("eidechsen").
1912 A, 84 ("saurier").
1912 B, 163 ("saurier").
Schöne, G. 1902 A, 27 ("saurier").
Schwartz, H. 1908 B, 100 ("lacertilier").
Scott, W. B. 1917 A, 178 ("lizards").
Seeley, H. G. 1865 B, 144 ("lizards").
1876 C, 168, 182, 190 ("lizards").
1882 A, 366 (Lacertilia).
1887 E, 191.
Seemann, G. 1926 A, 107 ("saurier").
Serres, M. 1852 B ("sauriens").
Sewertzoff, A. N. 1904 A, 473, 483 ("saurier").
1908 A (Lacertilia).
Seydel, O. 1899 A ("saurier").
Shiino, K. 1914 A, 374 ("lacertilier").
Shore, T. W. 1887 A, 366 (Lacertilia).
Siebenrock, F. 1892 B, 373 ("saurier").
Simpson, G. G. 1926 E, 8 ("lacertilians").
Sippel, W. 1907 A, 492, 514 ("saurier").
Sirena, S. 1872 A, 125 ("eidechse").
Sixta, V. 1900 A, 213 ("saurier").
1900 B, 329 ("eidechsen").
1901 A, 330 ("saurier").
Smith, G. E. 1912 A, 426.
Sokolowsky, A. 1904 A, 754 ("eidechsen").
Spencer, W. B. 1886 A, 165.
Stannius, H. 1856 A.
Stefano, G. 1904 A, 382 (Lacertilia).
Stehli, G. 1910 A, 763 ("saurier").
Steiner, H. 1922 A, 330 ("saurier").
Steinmann, G. 1907 A, 437 (Lacertilia).
1908 A, 213 ("eidechsen").

Steinmann, G. 1912 B, 731.
Stejneger, L. 1907 C, 162.
Stejneger and Barbour 1917 A, 42 (Sauria).
Stromer, E. 1912 A, 75.
Struck, W. 1915 A, 141, fig. 10 (Lacerta).
Sushkin, P. P. 1927 A, 268, 307 (Lacertilia).
Sutton, J. B. 1884 A, 570 (Lacertilia).
Swinnerton and Howes 1901 A, 55.
Symington, J. 1892 A, 577 (Lacertilia).
Taschenberg, O. 1894 A, 3615.
Terra, P. 1911 A, 231 (Saurii).
Thyng, F. W. 1906 A, 58 (Lacertilia).
Tomes, C. S. 1875 A, 93.
Tornier, G. 1909 A, 195 ("eidechsen").
1909 C, 547.
1913 A, 330 (Sauria).
1913 B, 344, 374 (Lacertosauria).
Versluys, J. 1898 A, 161 (Lacertilia).
1903 A, 107 ("lacertilier").
1910 B, 178 ("eidechsen").
1911 A, 138 ("eidechsen").
1912 A, 491 ("lacertilier").
1912 B, 626, 687.
Vialleton, L. 1917 A, 190 ("sauriens").
1919 A, 307 ("sauriens").
Virchow, H. 1914 A, 79 ("eidechsen").
1914 C, 132 ("eidechsen").
1921 A, 137 ("eidechsen").
Vitali, G. 1909 A, 210 ("sauri").
Voit, M. 1909 B, 142 ("saurier").
Wagner, R. 1843 A, 146 (Sauria).
Wallace, A. R. 1876 A, I, 99; II, 388, 403, 404 (Lacertilia).
Wamich, P. 1913 A, 23 ("lacertilien").
Watson, D. M. S. 1914 F, 783 ("lizards").
1914 G, 1006 ("lizards").
1914 J, 1037 ("lizards").
1917 A, 980 ("lizards").
1926 A, 202 ("lizards").
Wegner, R. N. 1922 A, 420 ("saurier").
Werner, F. 1904 A, 336 ("eidechsen").
Wiedersheim, R. 1880 E, 496 ("saurier").
Williston, S. W. 1902 L, 918 (Lacertilia).
1904 A, 43 (Lacertilia); 48 (Sauria).
1910 A, 271 ("lizards").
1912 B, 661 (Sauria).
1914 A, 17, 45, 139, 140 ("lizards").
1917 C, 418.
1925 A, *passim* (Sauria, Kionocrania, Lacertilia).
1925 B, 212, 265 (Lacertilia).
Zavattari, E. 1908 A, 1138 ("sauri").
Ziegler, H. E. 1901 A, 231 ("eidechsen").
Zittel and Broili 1911 A, 207.
1923 A, 254 (Lacertilia).
Zittel, Eastman, etc. 1902 A, 160.

Suborder IGUANIFORMES, new name.

Camp, C. L. 1923 A, 295, 297, 303, etc., figs. 1-7 (Ascalabota).
Gilmore, C. W. 1927 G, 14 (Ascalabota).
Merrem, B. 1820, Tent. Syst. Amphib., 9 (Ascalabotæ).

Superfamily IGUANOIDÆ, new name.

Camp, C. L. 1923 A, 296, 298, 307, etc., figs. 5, 6, 58-61 (Iguania).
Cope, E. D. 1900 A, 211 (Pachyglossa).
Gilmore, C. W. 1927 G, 14 (Iguania).

IGUANIDÆ Bonaparte.

Bonaparte, C. L. 1840 A, 30.
Hay, O. P. 1902 A, 474.
Adams, L. A. 1919 A, 93, pl. vii (Iguana).
Arldt, T. 1907 C, 677.
1907 D, 660.
1912 A, 689, 712.
Blainville, H. M. D. 1835 A, 250 ("iguanes").
Boulenger, G. A. 1885 B, 79.
1890 A, 412 ("iguanoid lizards").
1891 D, 113.
1901 B, 402.
Brauns, D. 1890 A, 151, fig. 1 (Iguana).
Broom, R. 1903 K, 3 ("iguanas").
Carus, V. 1875 A, 447.
Cuvier, G. 1805 A ("iguanes").
Dollo, L. 1884 E, 68.
1893 D, 3.
1923 A, 81.
Fuchs, H. 1927 A, 310, fig. 3 (Iguana).
Fürbringer, M. 1900 A, 235, figs. 1, 7.
Gadow, H. 1896 A, 29, fig. 17.
1901 B, 528.
Gaupp, E. 1899 A, 1069, figs. 9, 10 (Iguana).
Gill, T. 1886 C, 802.
Gilmore, C. W. 1927 G, 8, 16, fig. 6.
Günther, A. 1908 A, 523.
Hoffmann, C. K. 1890 B, 1217, pls. lvi, lxii.
Jaekel, O. 1902 C, 610 (Iguana).
Jaekel, O. 1903 A, 119 (Iguana).
Juhn, M. 1923 A, 71.
Kingsley, J. S. 1925 A, 250 (Iguana).
Köstlin, O. 1844 A (Iguana).
Lakjer, T. 1927 A, 64, 266, 267.
Leche, W. 1893 C, 793, figs. 1-7 (Iguana).
Leunis and Ludwig 1883 A, 564.
Lobley, J. L. 1908 A, 202, 208.
Lorenz, L. E. F. 1807 A, 31 (Lacerta iguana).
Lull, R. S. 1910 A, 6.
Lydekker, R. 1912 C, 41.
Matthew, W. D. 1914 B, 387.
Meckel, J. F. 1825 A (Iguana).
Mehnert, E. 1891 A, 124 (Iguana).
Mivart and Clarke 1879 A, 517, pl. lxvii, fig. 1 (Iguana).
Moodie, R. L. 1908 D, 456.
Nopcsa, F. 1908 A, 49, 51.
1923 G, 122 ("iguaniden").
1923 H, 73, 124 (Iguaninæ).
1928 A, 175.
Nowikoff, M. 1910 A, 181.
Owen, R. 1845 B, 240 ("iguanians").
1866 A, 402.
Palacký, J. 1899 C, 251, 280 ("iguaniden").
1902 B, 145 ("iguaniden").
Paramore, R. H. 1910 A, 1396, figs. 4-6 (Iguana).
Scharff, R. F. 1911 A, 126, 202, 207, 304.

Schmidt, W. J. 1909 A, 362, 378.
Siebenrock, F. 1892 B, 373 (Iguana).
Sokolowsky, A. 1904 A, 754 ("iguaniden").
Spencer, W. B. 1886 A, 195 (Iguana).
Stefano, G. 1904 A, 387.
Terra, P. 1911 A, 231.
Tornier, G. 1913 B, 344 ("iguaniden").
Versluys, J. 1898 A, 203.
1903 A, 114.
Virchow, H. 1914 A, 79 (Iguana).
Wallace, A. R. 1876 A, II, 400.
Williston, S. W. 1914 A, 140, fig. 65 (Iguana).
1925 B, 267.
Zavattari, E. 1908 A, 1141 (Iguana).

IGUANAVUS Marsh. Type *I. exilis* Marsh.

Hay, O. P. 1902 A, 474.
Gilmore, C. W. 1924 D, 27.
1927 G, 9, 15, 16.
Heilprin, A. 1887 A, 320.
Matthew, W. D. 1915 A, 289.
Palacký, J. 1899 C, 281.
Scharff, R. F. 1911 A, 127.
Williston, S. W. 1902 K, 953.
1925 B, 267.

Iguanavus exilis Marsh.

Hay, O. P. 1902 A, 474.
Gilmore, C. W. 1927 G, 9, 15, 16, pl. ii, fig. 2.
Nopcsa, F. 1908 A, 41.
Middle Eocene (Bridger); Wyoming.

Iguanavus teres Marsh.

Hay, O. P. 1902 A, 474.
Bowen, C. F. 1915 A, 128.
Gilmore, C. W. 1927 G, 3, 6, 8, 9, 15, 16, 17, pl. ii, fig. 1.
Nopcsa, F. 1908 A, 41.
Osborn, H. F. 1902 I, 12, 17.
Upper Cretaceous (Lance); Wyoming.

Iguanavus sp. indet.

Gilmore, C. W. 1924 D, 27. Upper Cretaceous (Lance); Saskatchewan.
Sternberg, C. M. 1924 A, 68. Upper Cretaceous (Lance); Saskatchewan.

ACIPRION Cope. Type *A. formosum* Cope.

Hay, O. P. 1902 A, 477.
Broili, F. 1908 E, 297.
Gilmore, C. W. 1927 G, 7, 9, 15, 18.
Williston, S. W. 1925 B, 274.

Aciprion formosum Cope.

Hay, O. P. 1902 A, 477.
Gilmore, C. W. 1927 G, 6, 8, 9, 15, 34, pl. xx, figs. 10, 10*a*.
Nopcsa, F. 1908 A, 36.
O'Harra, C. C. 1910 A, 121.
Seeley, H. G. 1886 A, 512.
Oligocene (White River); Colorado.

Aciprion majus Gilmore.

Gilmore, C. W. 1927 G, 8, 10, 15, 20, pl. xx, fig. 11; text-fig. 7.
Oligocene (White River); Colorado.

EXOSTINUS Cope. Type *E. serratus* Cope.

Hay, O. P. 1902 A, 476.
Gilmore, C. W. 1927 G, 7, 9, 15, 21, 90, 91.
Seeley, H. G. 1886 A, 512.

Exostinus? lancensis Gilmore.

Gilmore, C. W. 1927 G, 8, 10, 15, 23, pl. xxvi, fig. 2; pl. xxvii, figs. 2, 2*a*; text-fig. 9.
Upper Cretaceous (Lance); Wyoming.

Exostinus serratus Cope.

Hay, O. P. 1902 A, 476.
Gilmore, C. W. 1927 G, 6, 8, 9, 15, 22, pl. xxv, figs. 4-6; text-fig. 8.
Nopcsa, F. 1908 A, 39.
Oligocene (White River); Colorado.

CHAMOPS Marsh. Type *C. segnis* Marsh.

Hay, O. P. 1902 A, 474.
Boulenger, G. A. 1918 C, 594.
Camp, C. L. 1923 A, 309, 418.
Gilmore, C. W. 1927 G, 7, 9, 15, 24.
Scharff, R. F. 1911 A, 127.
Williston, S. W. 1902 K, 953.
1925 B, 268.
Zittel and Schlosser 1911 A, 210.
1923 A, 257 (Chasmops).

Chamops denticulatus Gilmore.

Gilmore, C. W. 1927 G, 8, 10, 15, 26, pl. xxvii, fig. 5; text-fig. 14.
Upper Cretaceous (Lance); Wyoming.

Chamops segnis Marsh.

Hay, O. P. 1902 A, 474.
Bowen, C. F. 1915 A, 128.
Camp, C. L. 1923 A, 309, figs. D, E.
Gilmore, C. W. 1927 G, 3, 6, 8, 9, 15, 24, text-figs. 10-12.
Nopcsa, F. 1908 A, 38 (C. seguis).
Osborn, H. F. 1902 I, 12.
Upper Cretaceous (Lance); Wyoming.

PARASAUROMALUS Gilmore. Type *P. olsenii* Gilmore.

Gilmore, C. W. 1927 G, 8, 15, 27.

Parasauromalus olsenii Gilmore.

Gilmore, C. W. 1927 G, 8, 10, 15, 27, text-fig. 15.
Middle Eocene (Wind River); Wyoming.

PHRYNOSOMA Wiegmann. Type *P. orbicularis* Wiegmann.

Wiegmann, A. F. A. 1828, Isis, xxi, 367.
Boulenger, G. A. 1885 A, ii, 239.
Cope, E. D. 1900 A, 403.
Gilmore, C. W. 1927 G, 6, 15, 28.
Seemann, G. 1926 A, 122.
Stejneger and Barbour 1923 A, 60.

Phrynosoma sp. indet.

Brown, B. 1908 A, 166, 207 ("lacertian sp.").
Gilmore, C. W. 1927 G, 8, 15, 28, pl. xxvii, fig. 4. Pleistocene (Middle); Arkansas.

CROTAPHYTUS Holbrook. Type *Agama collaris* Say = *Crotaphytus collaris* Holbrook.

Holbrook, J. E. 1842, N. A. Herpet., ii, 79.
Baird and Girard 1852, Stansbury's Explor. Salt Lake, 339.
Boulenger, G. A. 1885 A, ii, 203.
Cope, E. D. 1900 A, 245.
Gilmore, C. W. 1927 G, 5, 15, 20, 29, text-fig. 7.

Crotaphytus sp. indet.

Gilmore, C. W. 1927 G, 5, 15, 29. Pliocene or Pleistocene; Arizona.

Superfamily CHAMÆLEONOIDÆ, new name.

Hay, O. P. 1902 A, 478 (Rhiptoglossi).
Boulenger, G. A. 1891 D, 117 (Rhiptoglossa).
Camp, C. L. 1923 A, 296, 298, 310, 351, 417, fig. 7 (Rhiptoglossa).
Dollo, L. 1904 B, 218 (Rhiptoglossa).
Gelderen, C. 1925 A, 495 (Rhiptoglossa).
Gilmore, C. W. 1927 G, 29 (Rhiptoglossa).
Latreille, P. A. 1825 A, 97 (Chamæleonii).
Lydekker, R. 1912 C, 4 (Rhiptoglossa).
Merrem, B. 1820, Tentamen Syst. Amphib., 166 (Prendentia).
Nauck, E. T. 1923 A, 22 ("chameleonten").
Rafinesque, C. S. 1815 A, 75 (Camælonia).
Sewertzoff, A. N. 1908 A (Chamæleontia).
Stannius, H. 1856 A (Chamæleonida).
Werner, F. 1902 A, 326 (Rhiptoglossi).
Williston, S. W. 1904 A, 48 (Rhiptoglossi).
1925 A, 19, 21, 22, 70, 95, 106, 132, 187, 198 (Rhiptoglossa).
1925 B, 212, 274 (Rhiptoglossa).

CHAMÆLONIDÆ Bonaparte.

Bonaparte, C. L. 1831 A, 65.
Hay, O. P. 1902 A, 478.
Abel, O. 1912 F, 394 (Chamæleon).
1919 A, 659, fig. 518 (Chameleo).
Arldt, T. 1907 D, 645 (Chamæleontidæ).
Bauer, F. 1901 A, 54 ("chamæleone").
Baur, G. 1894 B, 350 (Chamæleon).
Beddard, F. E. 1907 A, 35 ("chamæleons").
Beyer, H. 1907 B, 282, fig. 10 (Chamæleon).
Blainville, H. M. D. 1835 A, 246 ("caméléons").
Blanchard, E. 1861 A, 380 ("caméléons").
Boas, J. E. V. 1914 C, 268, fig. 49 (Chamæleon).
Bolk, L. 1914 A (Chamæleon).
Bonaparte, C. L. 1832 A, 315.
1833 B, 1184.
Boulenger, G. A. 1885 B, 79 (Chamæleontidæ).
1891 D, 113 (Chamæleontidæ); 118, fig. 6 (Chamæleon).
1917 C, 456 ("caméléoniens").
Branca, W. 1908 B, 35 (Chamæleon).
Broom, R. 1903 J, 110 (Chamæleontidæ).
1906 F, 374 (Chameleo).
1908 E, 115 ("chamæleons").
1909 D, 212 (Chameleo).
1911 A, 922 (Chamæleon).
1924 B, 42, fig. 1 (Chamæleon).
1925 A, 16.
Camp, C. L. 1923 A, 298, 311, 333 (Chamælontidæ).
Carlsson, A. 1896 A, 758 ("chamæloniden").
Cartier, O. 1874 A, 201 ("chamaleon").
Carus, V. 1875 A, 451 (Chamæleontidæ).
Cuvier, G. 1825 A, v, 2, 268 ("caméléon").
Dollo, L. 1884 E, 68.
1884 F, 347 ("caméléons").
Dollo, L. 1893 D, 3 (Chamæleontidæ).
1923 A, 80 ("caméléoniens").
Eaton, G. F. 1910 A, 11.
Edgeworth, F. H. 1907 A, 516, figs. 32-35 (Chamæleon).
Eichwald, E. 1832 A, 866 (Chamæleon).
Fitzinger, L. 1843 A, 41 (Chamæleontes).
Foote, J. S. 1916 A, 49, pl. iii (Chameleo).
Gadow, H. 1896 A, 29.
1901 A, 410 ("chamæleons").
1901 B, 567 (Chamæleontes); 573 (Chamæleontidæ).
Gaupp, E. 1895 A, 62 ("chamæleonen").
1899 A, 1069 (Chameleo).
1910 A, 1069 ("chamaeleoniden").
1910 C (Chameleo).
Gegenbaur, C. 1871 A, 199 (Chameleo).
Gelderen, C. 1923 A, 29 (Chamæleo).
Gervais, P. 1853 B, 45 ("chaméléons").
Giebel, C. G. 1855 A, 94 (Chamæleon).
Gill, T. 1886 C, 802 (Chamæleontidæ).
Gilmore, C. W. 1927 G, 29.
Hanson, F. B. 1919 B, 74 (Chameleo).
Hasse and Schwarck 1870 A, 54 ("chamæleonten").
Heilmann, G. 1926 A, 204 ("chameleon").
Heilprin, A. 1887 A, 316, 318 (Chameleon).
Hommes, J. H. 1924 A, 36 (Chamæleon).
Huene, F. 1925 D, 235 (Chamæleon).
Humphrey, G. M. 1870 B, 75, figs. 6, 7 ("chameleon").
Kerbert, C. 1876 A, 213 (Chamæleon).
Kingsley, J. S. 1925 A, 156, 265, figs. 165, 285 (Chameleo).
Klein, E. E. 1868 A (Chamæleon).

Köstlin, O. 1844 A (Chameleo).
Lakjer, T. 1927 A, 115, 266, figs. 23-25, 94, 130.
Le Damany, P. 1903 G, 320, fig. 13 ("caméléon").
Lobley, J. L. 1908 A, 202.
Lönnberg, E. 1910 A, 17 ("kameleont").
Lubosch, W. 1926 A, 104, 107, figs. 7, 8, 16 (Chamäleon).
Lwoff, W. 1884 A, 313.
Lydekker, R. 1912 C, 4, 40, 151 ("chamæleons").
Mivart, St. G. 1879 B, 538 ("chameleon").
Mivart and Clarke 1879 A, 514, pl. lxvi, fig. 1.
Moodie, R. L. 1907 A, 86 (Chameleon).
1908 D, 465 ("chameleons").
Nitzsch, C. L. 1822 A, 83.
Nopcsa, F. 1908 A, 49 (Cameleontidæ).
1923 G, 111 ("chamelodontidæ").
1923 H, 61, 73, 75, 76, 124, 149, 184 (Chameleontidæ, Chameleoninæ).
1928 A, 177 (Rhiptoglossidæ).
Nowikoff, M. 1910 A, 180 (Chamæleo).
Owen, R. 1845 B, 238 ("chameleons").
1866 A, 193, fig. 123 (Chameleo).
1868 A, 872 (Chameleo).
Palacký, J. 1899 C, 256 ("chamæleone").
Parker, W. K. 1878 C, 214 ("chamæleon").
1881 B, 77 ("chameleons").
Pfeiffer, H. 1854 A, 39 ("chamæleonten").
Plieninger, F. 1906 A, 406 (Chamæleon).
Reynolds, S. H. 1897 A, 199, 272, 278, 291, 293 (Chamæleon).
Röse, C. 1893 D, 566, figs. 1-8 (Chamæleon).
Schauinsland, H. 1903 A, 32, pl. xxv (Chamæleo).
Schmidt, W. J. 1909 A, 363, 414 (Chamæleontidæ).
1910 A, 639 (Chameleo).
1912 B, 185, 189 (Chamæleon).
Seeley, H. G. 1876 C, 164 ("chameleon").
Seemann, G. 1926 A, 128, text-figs. 14, 15.
Spencer, W. B. 1886 A, 190 (Chameleo).
Stannius, H. 1856 A, 7, 89 (Chameleo).
Stefano, G. 1904 A, 387 (Chamæleontidæ).
Strecker, C. 1887 A, 305 ("chamæleon").
Taschenberg, O. 1894 A, 3620 (Chamæleon).
Thäter, K. 1910 A, 504 (Chamæleontidæ).
Tornier, G. 1913 A, 334 ("chamæleontidæ).
1913 B, 344 ("chamæloniden").
Versluys, J. 1898 A, 162, 252 (Chamæleontidæ).
1903 A, 151 (Chamäleon).
Wagner, R. 1843 A ("chamäleon").
Wallace, A. R. 1876 A, II, 402.
Werner, F. 1902 A, 295 ("chamäleonten").
Wiedersheim, R. 1892 A, 53 ("chamæleonten").
Williston, S. W. 1925 A, 68, 177, figs. 55, 143 ("chameleon").
1925 B, 274 (Chameleontidæ).

TINOSAURUS Marsh. Type *T. stenodon* Marsh.

Hay, O. P. 1902 A, 476.
Fejérváry, G. J. 1918 A, 362 (Syn. of Thinosaurus).
Gilmore, C. W. 1922 D, 25.
1927 G, 1, 9, 10, 30 (Tinosaurus); 7, 9, 10, 31 (Chamæleo).
Nopsca, F. 1908 A, 47 (Thinosaurus).

Tinosaurus pristinus (Leidy).

Hay, O. P. 1902 A, 478 (Chameleo).
Abel, O. 1919 A, 679 (Chameleo).
Camp, L. C. 1923 A, 310 (Chameleo).
Gilmore, C. W. 1927 G, 5, 8, 9, 32, pl. ii, figs. 16, 16a (Tinosaurus); 6, 9 (Chamæleo).
Matthew, W. D. 1915 A, 289 (Chamæleon).
Nopcsa, F. 1908 A, 38 (Chameleo).
Palacký, J. 1899 C, 281 (Chameleo).
Stefano, G. 1904 A, 392 (Chameleo).
Middle Eocene (Bridger); Wyoming.

Tinosaurus stenodon Marsh.

Hay, O. P. 1902 A, 476 (T. stenodon, T. lepidus).
Gilmore, C. W. 1927 G, 6, 8, 10, 31, pl. ii, figs. 14, 15 (T. stenodon); 6, 10, 31 (T. lepidus).
Nopcsa, F. 1908 A, 47 (Thinosaurus stenodon, T. lepidus).
Middle Eocene (Bridger); Wyoming.

PLACOSAURUS Gervais. Type *P. rugosus* Gervais.

Hay, O. P. 1902 A, 474.
Ameghino, F. 1906 A, 458.
1909 B, 94, 96, fig. 349.
Boulenger, G. A. 1918 D, 890.
Camp, C. L. 1923 A, 327, 329, figs. 97, 104, 105.
Gervais, P. 1859 A, 457.
Gilmore, C. W. 1927 G, 88, 92.
Leenhardt, L. E. E. 1909 A, 103.
Nopcsa, F. 1928 A, 177.
Stefano, G. 1904 A, 403.
Williston, S. W. 1925 B, 268.
A genus of uncertain systematic position.

Placosaurus? sp. indet.

Hay, O. P. 1902 A, 474. Eocene; New Mexico.
Gilmore, C. W. 1927 G, 6. Eocene; New Mexico.
Nopcsa, F. 1908 A, 44.

Suborder ANGUIFORMES Bonaparte.

Bonaparte, C. L. 1831 A, 71.
Camp, C. L. 1923 A, 296, 298, 312, etc. (Autarchoglossa).
Gilmore, C. W. 1927 G, 33 (Autarchoglossa).
Wagler, G. 1830, Nat. Syst. Amphib., 152 (Autarchoglossa).

Superfamily SCINCOIDÆ, new name.

Camp, C. L. 1923 A, 296, 298 (Scincomorpha).
Cope, E. D. 1900 A, 231, 539 (Leptoglossa).
Gilmore, C. W. 1927 G, 33 (Scincomorpha).

LACERTIDÆ Bonaparte.

Bonaparte, C. L. 1831 A.
Blainville, H. M. D. 1835 A, 254 ("lacertiens").
Boulenger, G. A. 1887 A, 1.
1918 C, 594 ("lacertides").
Camp, C. L. 1923 A, 296, 298, 299, 312, etc. (Lacertidæ, Lacertoidea).
Gadow, H. 1901 B, 549.
Gill, T. 1886 C, 800 (Lacertoidea); 802 (Lacertidæ).
Kühne, K. 1914 A, 407 (Lacerta).
Lydekker, R. 1888 B, 287.
Owen, R. 1845 B, 254 ("lacertians").
Rice, E. L. 1920 A (Lacerta).
Versluys, J. 1898 A, 230.

LACERTA Linnæus. Type *L. agilis* Linnæus.

Linnæus, C. 1758 A, 200.
Allis, E. P. 1919 B, 84.
1919 D, 209.
1919 E, 364.
Blainville, H. M. D. 1835 A, 257.
Boulenger, G. A. 1887 A, 8.
1918 C, 595.
Gadow, H. 1901 B, 551, 553, fig. 142.
Gaupp, E. 1900 A, 433-594, pls. xlii-xlvii.
Kühne, K. 1914 A, 407, figs. 1-29.
Lydekker, R. 1888 B, 287.
Mivart and Clarke 1879 A, 515, pl. lxvi, fig. 2.
Owen, R. 1845 B, 257.
1866 A, 58, 157, 174, 401.
Rice, E. L. 1920 A.
Stefano, G. 1904 A, 412.
Versluys, J. 1898 A, 161.
Weiss, A. 1901 A, 496.
Zittel, K. A. 1890 A, 609.

Lacerta? sp. indet.

Lawson and Palache 1902 A, 391 (This genus?). Pliocene (Siesta); California.
Merriam, J. C. 1914 D, 14. Pleistocene (Siesta); California.

SCINCIDÆ Gray.

Gray, J. E. 1825 A, 201.
Boulenger, G. A. 1884 A, 120.
1887 A, 130.
Cope, E. D. 1900 A, 615, with synonymy.
Fürbringer, M. 1900 A, 232, 242.
Hoffmann, C. K. 1890 B, 1129-1170.
Lydekker, R. 1888 B, 288.
Nopcsa, F. 1928 A, 175.
Owen, R. 1866 A, 175, 198, 388.
Stannius, H. 1856 A, 6, 22 (Scincoidea).
Taschenberg, O. 1894 A, 3629.

EUMECES Wiegmann. Type *E. pavimentatus* G. St. Hilaire.

Wiegmann, F. A. 1834 A, 36.
Boulenger, G. A. 1887 A, 365, with synonymy.
Cope, E. D. 1900 A, 624, 1255, with synonymy.
Hoffmann, C. K. 1890 B, 1132, 1148.
Stejneger and Barbour 1923 A, 74.

Eumeces anthracinus (Baird).

Baird, S. F. 1849, Jour. Acad. Nat. Sci. Phila. (3), 1, 294 (Plestiodon).
Boulenger, G. A. 1887 A, 376.
Cope, E. D. 1900 A, 630, 661, fig. 135.
Peterson, O. A. 1926 A, 252, text-fig. 2.
Stejneger and Barbour 1917 A, 74.
Recent; New York to North Carolina, west to Texas: Pleistocene (Middle); Pennsylvania.

AMPHISBÆNIDÆ Gray.

Gray, J. E. 1825 A, 203.
Hay, O. P. 1902 A, 476.
Arldt, T. 1907 C, 677.
1907 D, 637.
1912 A, 758.
Beyer, H. 1907 A, 286 ("amphisbænen").
Blainville, H. M. D. 1835 A, 262 ("amphisbènes").
Boas, J. E. V. 1914 C, 269 ("amphisbänen").
Bonaparte, C. L. 1831 A, 66.
1832 A, 316 (Amphisbænina).
1833 B, 1185 (Amphisbænidæ, Saurophidii).
Boulenger, G. A. 1885 B, 79.
1901 B, 403.
1902 F, 382.
Camp, C. L. 1923 A, 299, 300, 316, 333 (Amphisbænidæ, Amphisbænoidea).
Carus, V. 1875 A, 436 (Amphisbænoidea).
Cope, E. D. 1892 CC, 241.
Cuvier, G. 1805 A ("amphisbènes").
Dollo, L. 1923 A, 81.
Gadow, H. 1901 B, 565.
Gadow, H. 1905 A, 219.
Gaupp, E. 1899 A, 1070 (Amphisbæna).
1911 C, 446.
Gill, T. 1886 C, 802.
Gilmore, C. W. 1927 G, 6, 8, 33, 34, fig. 16.
Gray, J. E. 1837 C, 131 ("amphisbænians").
1872 B, 31, 34.
Heilprin, A. 1887 A, 319 (Amphisbænia).
Hoernes, R. 1886 A, 607 (Amphisbænoidea).
Hoffmann, C. K. 1890 B, 1288, pl. lx (Amphisbæna).
Huene, F. 1913 C, 394 (Amphisbæna).
Kerbert, C. 1876 A, 206 ("amphisbæniden").
Kingsley, J. S. 1902 B, 328 (Amphisbænia).
Köstlin, O. 1844 A ("amphisbänen").
Lakjer, T. 1927 A, 158, 266, fig. 55-60, 97, 129.
Leunis and Ludwig 1883 A, 570 (Amphisbænidæ).
Lobley, J. L. 1908 A, 202, 208.
Lydekker, R. 1912 C, 41, 114.
Mayer, C. 1824 C, 834 (Amphisbæna).
Meckel, J. F. 1825 A (Amphisbæna).
Müller, J. 1832 A, 508 (Amphisbæna).

Nopcsa, F. 1923 H, 73, 75, 76 (Amphisbænia).
1928 A, 176.
Owen, R. 1845 B, 234 ("amphisbænians").
1866 A, 59.
Palacký, J. 1899 C, 254, 281.
1902 B, 145 ("amphisbäniden").
Peter, K. 1898 A, 607 ("amphisbæniden").
Scharff, R. F. 1911 A, 375.
Schmidt, W. J. 1910 A, 637 ("amphisbäniden").
Seeley, H. G. 1882 A, 353 (Amphisbæna).
Sirena, S. 1872 A, 132 (Amphisbæna).
Smalian, C. 1885 A, 126-202 ("amphisbæniden").
Terra, P. 1911 A, 234.
Thäter, K. 1910 A, 504.
Tornier, G. 1913 A, 334.
Versluys, J. 1898 A, 242.
1903 A, 157 ("amphisbæniden").
1912 B, 632, 684, 687 (Amphisbænida).
Wagner, R. 1843 A ("amphisbänen").
Wallace, A. R. 1876 A, II, 388.
Weitzel, A. 1865 A, 318 (Amphisbæna).
Williston, S. W. 1904 A, 48 (Amphisbænia).
1918 A, 82 (Amphisbænia).
1925 A, 69, fig. 56.
1925 B, 274.

Ototriton Loomis. Type *O. solidus* Loomis.

Loomis, F. B. 1919 A, 217.
Gilmore, C. W. 1927 G, 9, 35, 43.

Ototriton anceps (Marsh).

Hay, O. P. 1902 A, 475 (Glyptosaurus).
Douglass, E. 1908 C, 283 (Glyptosaurus).
Gilmore, C. W. 1917 A, 160 (Glyptosaurus).
1927 G, 3, 6, 9 (Glyptosaurus); 8, 34, 46, pl. xviii, figs. 14, 15; text-fig. 23 (Ototriton).
Nopcsa, F. 1908 A, 39 (Glyptosaurus).
Middle Eocene (Bridger); Wyoming.

Ototriton solidus Loomis.

Loomis, F. B. 1919 A, 217, fig. 1.
Gilmore, C. W. 1927 G, 4, 5, 7, 8, 9, 34, 43, text-figs. 20, 21.
Lower Eocene (Wasatch); Wyoming.

LEPOSTERNIDÆ Stejneger and Barbour.

Stejneger and Barbour 1917 A, 72.
Gray, J. E. 1844, Cat. Tortoises, etc. Brit. Mus., 68, 73 (Lepidosternidæ).

Rhineüra Cope. Type *R. floridana* Cope.

Hay, O. P. 1902 A, 476 (Rhineüra); 477 (Platyrhachis).
Broili, F. 1908 E, 297 (Rhineüra, Platyrhachis).
Brown, A. E. 1904 A, 469.
Cope, E. D. 1892 CC, 241, pl. xiii, fig. 14.
Eigenmann, C. H. 1902 A, 533, fig. 22.
1909 A, 48.
Fürbringer, M. 1900 A, 264.
Gilmore, C. W. 1927 G, 5, 7, 10, 35, 38, text-fig. 19 (Rhineura); 7, 10 (Platyrhachis).
Lydekker, R. 1912 C, 114.
Scharff, R. F. 1911 A, 173, 203.
Stejneger and Barbour 1917 A, 72.
Williston, S. W. 1925 B, 274 (Rhineura, Platyrhachis).
Nopcsa, F. 1908 A, 44 (Platyrhachis coloradensis).
Oligocene (White River); Colorado.

Rhineüra coloradoensis (Cope).

Hay, O. P. 1902 A, 477 (Platyrhachis).
Gilmore, C. W. 1927 G, 8, 10, 34, 42, pl. xxv, figs. 10-12 (Rhineura); 6, 10, 34 (Platyrhachis).

Rhineüra hatcherii Baur.

Hay, O. P. 1902 A, 476.
Cope, E. D. 1900 A, 684.
Douglass, E. 1908 C, 283, figs. 3-5 (R. hatcheri).
Eigenmann, C. H. 1902 A, 534.
1909 A, 48.
Gilmore, C. W. 1927 G, 6, 8, 10, 34, 35, pl. i, figs. 2-4; text-figs. 17, 18.
Nopcsa, F. 1908 A, 46 (R. hatcheri).
O'Harra, C. C. 1910 A, 121, fig. 20.
1920 A, 160.
Oligocene (White River); South Dakota.

Hyporhina Baur. Type *H. antigua* Baur.

Hay, O. P. 1902 A, 477 (Hypsorhina, *errore*).
Broili, F. 1908 E, 297.
Cope, E. D. 1900 A, 684 (Hypsorhina).
Gilmore, C. W. 1927 G, 7, 9, 35, 47.
Nopcsa, F. 1908 A, 40.
Williston, S. W. 1925 B, 274.
Eigenmann, C. H. 1902 A, 534 (Hypsorhina antigua).
1909 A, 48 (Hypsorhina antigua).
Gilmore, C. W. 1927 G, 4, 6, 8, 9, 34, 38, 47, pl. i, fig. 1; text-figs. 24-26.
Nopcsa, F. 1908 A, 40.
O'Harra, C. C. 1910 A, 121 (H. antigua).
1920 A, 160 (H. antigua).
Oligocene (White River); South Dakota.

Hyporhina antiqua Baur.

Hay, O. P. 1902 A, 477 (Hypsorhina, *errore*).
Cope, E. D. 1900 A, 684 (Hypsorhina).

Superfamily ANGUIOIDÆ, new form.

Camp, C. L. 1923 A, 297, 299, 313, 326, 333 (Anguioidea).
Fürbringer, M. 1900 A, 621 (Anguimorpha).
Gilmore, C. W. 1927 G, 88 (Anguioidea).

VARANIDÆ Bonaparte.

Bonaparte, C. L. 1831 A, 65.
Hay, O. P. 1902 A, 476.
Adams, L. A. 1919 A, 97, pl. vii (Varanus).
Aichel, O. 1917 A, 109, fig. 7 (Varanus).
Arldt, T. 1907 D, 688.
1912 A, 712.
Blanchard, E. 1861 A, 380 ("varans").
Bolk, L. 1913 A, 79, figs. 60-62 (Varanus).
Bonaparte, C. L. 1833 B, 1184.
Boulenger, G. A. 1885 B, 79.
1891 D, 113, 116.
1893 B, 205.
1918 D, 890 ("varanides").
Broili, F. 1926 B, 173, fig. 2.
1926 C, 20, 36, figs. 6, 11 ("varaniden").
Broom, R. 1924 B, 41, 50 (Varanus).
1924 C, 71 (Varanus).
Burden, D. 1927 A, 18, figs. (Varanus).
Camp, C. L. 1923 A, 297 (Varanidæ); 297, 300, 320 (Varanoidea).
Carus, V. 1875 A, 437.
Cuvier, G. 1808 D, 82 ("monitors").
Dollo, L. 1884 E, 68 (Monitoridæ).
1893 D, 2.
1903 B, 137.
1904 B, 218.
Fejérváry, G. J. 1918 A.
1920 A, 351.
1921 B, 184.
Foote, J. S. 1916 A, 51 (Varanus).
Frassetto, F. 1915 A, 105, fig. 63 (Varanus).
Fürbringer, M. 1900 A, 236, 241, 250, figs. 5, 13, 26, 40.
Gadow, H. 1896 A, 29.
1901 B, 542.
Gaupp, E. 1899 A, 1069 (Varanus).
1905 D, 1011.
Geoffroy St. Hilaire, E. F. 1825 B, 127 ("monitors").
1832 A, 353 ("monitors").
Gervais, P. 1853 B, 45 ("varans").
Gill, T. 1886 C, 802 (Varanidæ); 800 (Varanoidea).
Gilmore, C. W. 1922 D, 23.
1927 G, 5, 51.
Haller, G. 1926 A, 457, fig. 4 (Varanus).
Heilprin, A. 1887 A, 319.
Hoffmann, C. K. 1890 B, 1068, pls. (Monitoridæ).
Huene, F. 1906 C, 336 (Varanus).
1914 G, pl. vii.
Huxley, T. H. 1859 F, 137 ("monitors").
Iwanzoff, N. 1894 A, 583 (Monitor).
Juhn, M. 1923 A, 71.
Kingsley, J. S. 1925 A, 142, 154, 155, figs. 163, 164 (Varanus).
Köstlin, O. 1844 A (Monitor).
Koken, E. 1901 B, 22 ("varaniden").
Kornhuber, A. 1901 A, 151 ("varaniden").
Lakjer, T. 1927 A, 121, 268, figs. 27-29, 126, 127, 135, 136.
Le Damany, P. 1903 G, 330, fig. 18 ("varan").
Leunis and Ludwig 1883 A, 549.
Lobley, J. L. 1908 A, 208.
Lydekker, R. 1912 C, 41, 141.
Matthew, W. D. 1915 A, 289.
Mehnert, E. 1891 A, 124 (Monitor).
Mivart and Clarke 1879 A, 520, pl. lxvii, fig. 2.
Nopcsa, F. 1903 C, 37, 39.
1908 A, 49, 51.
1923 E, 1054, fig. 9 (Varanus).
1923 G, 109, 111, 122 ("varaniden").
1923 H, 124, 149, 173 (Varaninæ).
1926 A, 649.
1928 A, 177 (Varaninæ).
Nowikoff, M. 1910 A, 179 (Varanus).
Owen, R. 1845 B, 263, pls. lxiiia, lxvii, lxviii ("varanians").
1848 B, 60.
Palacký, J. 1899 C, 253 ("varaniden").
Reynolds, S. H. 1897 A, 201, figs. 33, 34.
Schmidt, W. J. 1909 A, 362.
Seeley, H. G. 1876 C, 169 ("monitors").
Sippel, W. 1907 A, 518 (Varanus).
Spencer, W. B. 1886 A, 181 (Varanus).
Stefano, G. 1904 A, 407.
Taschenberg, O. 1894 A, 3631 (Varanus).
Terra, P. 1911 A, 233.
Thäter, K. 1910 A, 504.
Tornier, G. 1913 A, 320 ("varaniden").
1913 B, 344.
Versluys, J. 1898 A, 224.
1903 A, 151.
Virchow, H. 1914 A, 69 (Varanus).
1914 C, 130 (Varanus?).
1921 A, 137, figs. 4, 5 (Varanus).
Wallace, A. R. 1876 A, II, 389.
Watkinson, G. B. 1906 A, 451, pls. xi-xiii (Varanus).
Wegner, R. N. 1922 A, 463, pl. xv; text-figs. 34, 35 (Varanus).
Wieland, G. R. 1925 A, 603.
1925 B, 557, 559 ("varanids").
Williston, S. W. 1903 A, 32, pl. v (Varanus).
1904 A, 44, 48 (Varanidæ); 45 (Varanoidea).
1925 A, 70, 71, 100.
1925 B, 269.
Zavattari, E. 1908 A, 1140.

SANIWINÆ Camp.

Camp, C. L. 1923 A, 297, 300, 320.

SANIWA Leidy. Type *S. ensidens* Leidy.

Hay, O. P. 1902 A, 475 (Saniwa); 476 (Thinosaurus).
Ameghino, F. 1893 E, 731 (Saniva).
Camp, C. L. 1923 A, 345 (Thinosaurus); 419, fig. 24 (Saniwa, Thinosaurus).
Dollo, L. 1923 A, 77.
Fejérváry, G. J. 1918 A, 364, 422, 433 (Saniva).
Gilmore, C. W. 1922 D, 23 (Thinosaurus a syn.).
1927 G, 6, 8, 10, 56, 57, 73 (Saniwa); 7 (Saniva); 7, 10 (Thinosaurus).
Heilprin, A. 1887 A, 320 (Saniva).
Matthew, W. D. 1915 A, 289.

Nopcsa, F. 1923 H, 76 (Saniva).
1928 A, 177 (Saniva, Thinosaurus).
Williston, S. W. 1925 B, 268 (Thinosaurus); 269 (Saniva).

Saniwa agilis (Marsh).

Hay, O. P. 1902 A, 476 (Thinosaurus).
Gilmore, C. W. 1922 D, 25.
1927 G, 8, 10, 54, 81, pl. ix, figs. 1-6 (Saniwa); 6, 10 (Thinosaurus).
Nopcsa, F. 1908 A, 47 (Thinosaurus).
Middle Eocene (Bridger); Wyoming.

Saniwa crassa (Marsh).

Marsh, O. C. 1872 K, 301 (Thinosaurus).
Hay, O. P. 1902 A, 476 (Thinosaurus).
Gilmore, C. W. 1922 D, 25.
1927 G, 6, 10, 80 (Thinosaurus); 8, 10, 54, 56, 80, pl. x, figs. 6-10; text-fig. 47 (Saniwa); 1, 6, 10 (S. major).
Nopcsa, F. 1908 A, 47 (Thinosaurus).
Middle Eocene (Bridger); Wyoming: Upper Eocene (Uinta); Wyoming.

Saniwa ensidens Leidy.

Hay, O. P. 1902 A, 475 (S. ensidens, S. major); 476 (S. leptodus).
Fejérváry, G. J. 1918 A, 420, 444, text-fig. 20 (Saniva); 444 (Saniva major).
Gilmore, C. W. 1922 D, 1-28, pls. i-iii; text-figs. 2-19 (S. ensidens); 25 (S. leptodus).
Gilmore, C. W. 1927 G, 6, 8, 10, 54, 56, pl. iii; pl. iv, figs. 1, 2; pls. v-vii; pl. viii; text-figs. 31-33, 35-38, 52, 53 (Saniwa); 6, 10, 58 (Thinosaurus leptodus).
Merrill, G. P. 1907 A, 77.
Nopcsa, F. 1908 A, 46 (Saniva ensidens, S. major); 47 (Thinosaurus leptodus).
Wetmore, A. 1922 A, 455 (S. major).
Lower Eocene (Wasatch); Wyoming: Middle Eocene (Bridger); Wyoming.

Saniwa grandis (Marsh).

Hay, O. P. 1902 A, 476 (Thinosaurus).
Gilmore, C. W. 1922 D, 25.
1927 G, 8, 10, 54, 78, pl. x, figs. 1-5 (Saniwa); 6-10, 78 (Thinosaurus).
Middle Eocene (Bridger); Wyoming: Lower Eocene (Wind River); Wyoming.

Saniwa paucidens (Marsh).

Hay, O. P. 1902 A, 476 (Thinosaurus).
Gilmore, C. W. 1922 D, 25.
1927 G, 1, 6, 10, 53, 54, 77 (Thinosaurus); 8, 10, 54, 77, pl. ix, figs. 7-9 (Saniwa).
Middle Eocene (Bridger); Wyoming: Upper Eocene (Uinta); Wyoming.

Saniwa sp. indet.

Gilmore, C. W. 1923 B, 52. Upper Cretaceous (Belly River); Alberta.
Camp, C. L. 1923 A, 442, fig. 23 (Thinosaurus).
Gilmore, C. W. 1927 G, 83, text-fig. 54. Eocene (White River); Nebraska: Eocene (Huerfano); Colorado.

PALÆOSANIWA Gilmore. Type *P. canadensis* Gilmore.

Gilmore, C. W. 1927 G, 5, 8, 53, 83.

Palæosaniwa canadensis Gilmore.

Gilmore, C. W. 1927 G, 5, 8, 10, 84, pl. xi, figs. 5-6*a*; text-fig. 55.
Upper Cretaceous (Belly River); Alberta.

PARASANIWA Gilmore. Type *P. wyomingensis* Gilmore.

Gilmore, C. W. 1927 G, 5, 8, 53, 85.

Parasaniwa obtusa Gilmore.

Gilmore, C. W. 1927 G, 8, 10, 86, pl. xxvi, figs. 10, 12; text-figs. 56, 57.
Upper Cretaceous (Lance); Wyoming.

Parasaniwa wyomingensis Gilmore.

Gilmore, C. W. 1927 G, 8, 85, pl. xxvi, fig. 11.
Upper Cretaceous (Lance); Wyoming.

HELODERMIDÆ Gray.

Gray, J. E. 1837, Proc. Zool. Soc. Lond., 132.
Baur, G. 1889 F, 473.
Boulenger, G. A. 1884 A, 120, 122 (Helodermatidæ).
1885 A, 300 (Helodermatidæ).
1885 B, 78.
1891 A, 109, figs. (Helodermatidæ).
1891 D, 109, 116 (Helodermatidæ).
1918 D, 890 ("hélodermatides").
Camp, C. L. 1923 A, 297, 301, 333, etc., figs. 98, 100 (Helodermatidæ).
Cope, E. D. 1864 A, 228.
1900 A, 473, 1257 (Helodermatidæ); 472 (Helodermatoidea).
Fürbringer, M. 1900 A, 241, 609, 621.
Gill, T. 1886 C, 800, 802 (Helodermatidæ); 802 (Helodermatoidea).
Gilmore, C. W. 1927 G, 8, 88, 92.
Hoffman, C. K. 1890 B, 1064, 1071.
Juhn, M. 1923 A, 71.
Lakjer, T. 1927 A, 91, 266 (Helodermatidæ).
Nopcsa, F. 1908 A, 49, 51 (Helodermatidæ).
1923 H, 75, 124 (Helodermatinæ).
1928 A, 177 (Helodermatinæ).
Owen, R. 1845 B, 264 ("heloderm").
Schmidt, W. J. 1912 B, 142 ("helodermatiden").
Versluys, J. 1898 A, 219 (Helodermatidæ).
Wiegmann, A. F. A. 1834 A, 23 (Trachydermi).
Williston, S. W. 1925 A, 67, 71 (Helodermatidæ).
1925 B, 267 (Helodermatidæ).
Zittel and Broili 1923 A, 257 (Helodermatidæ).

HELODERMA Wiegmann. Type *Trachyderma horridum* Wiegmann.

Wiegmann, F. A. 1829 A, col. 421 (Trachyderma; preoccupied).
Baur, G. 1889 C, 239.
1891 F, 334.
Boulenger, G. A. 1891 D, 109, figs. 1-3, 5.
Cope, E. D. 1864 A, 228.
Fuchs, H. 1927 A, 316.
Fürbringer, M. 1900 A, 236, 621, figs. 3, 11, 38.
Gilmore, C. W. 1927 G, 5, 6, 8, 15, 88.
Hoffmann, C. K. 1890 B, 1064.
Kingsley, J. S. 1925 A, 156, fig. 166.
Lakjer, T. 1927 A, 91, fig. 12.
Moodie, R. L. 1907 A, 85, 88.
Nopcsa, F. 1923 E, 1056, fig. 9.
1923 H, 74-76.
Schmidt, W. J. 1912 C, 219, pl. xiii; text-figs. 1-3.
Shufeldt, R. 1890 D, 235, pls. xvi-xviii.
Troschel, F. H. 1853 A, 294, pls. xiii, xiv.
Versluys, J. 1898 A, 219.
Wiegmann, A. F. A. 1829 B, col. 627.
1834 A, 23, pl. i.

Heloderma matthewi Gilmore.

Gilmore, C. W. 1927 G, 8, 10, 89, pl. xi, figs. 1, 1*a*; text-figs. 58, 59.
Oligocene (White River); Colorado.

ANGUIDÆ Bonaparte.

Bonaparte, C. L. 1831 A, 66.
Hay, O. P. 1902 A, 474.
Adloff, P. 1918 A, 132, figs. 1, 2 (Anguis).
Arldt, T. 1912 A, 712.
Batelli, A. 1880 A, 359 (Anguis).
Bogoljubsky, S. 1914 A, 653 (Anguis).
Bonaparte, C. L. 1833 B, 1185.
Boulenger, G. A. 1891 D, 113, 116.
1893 B, 208.
1901 B, 402.
1918 D, 890 ("anguides").
Cope, E. D. 1892 CC, 227.
1900 A, 488.
Corning, H. K. 1891 A, 613, pl. xxx (Anguis).
Dendy, A. 1907 A, 288 (Anguis).
Fejérváry, G. J. 1918 A, 440.
Fürbringer, M. 1900 A.
1902 B, 203 ("anguiden").
Gadow, H. 1896 A, 29.
1901 B, 537.
Gaupp, E. 1905 D, 1011.
1910 A, 538.
1911 B, 107.
1911 C, 446.
Gelderen, C. 1925 A, 496 (Anguis).
Gill, T. 1886 C, 802.
Gilmore, C. W. 1927 G, 5, 8, 89, fig. 60 (Anguidæ); 91, 93 (Glyptosauridæ).
Goeppert, E. 1897 A, 247 (Anguis).
Hanson, F. B. 1919 B, 71 (Anguis).
Hayek, H. 1924 A, 139, pl. ii (Anguis).
Hoffmann, C. K. 1890 B, 1133, 1155, pls. (Anguis).
Juhn, M. 1923 A (Anguis).
Lakjer, T. 1927 A, 95, 266, 267, fig. 16 (Anguis).
Lebedinsky, N. G. 1917 A, 334, figs. 23, 24 (Anguis).
Leydig, F. 1890 A, 489 (Anguis).
Lydekker, R. 1912 C, 41, 113, 131.
Mayer, C. 1824 C, 831 (Anguis).
Nopcsa, F. 1908 A, 495 (Anguinidæ).
1923 G, 111, 122, 148 ("anguiniden").
1923 H, 74 ("anguiniden").
1928 A, 176 (Anguinidæ).
Nowikoff, M. 1907 A (Anguis).
Osborn, H. F. 1909 D, 47.
Otto, H. 1908 A, 193-252, fig. 2 (Anguis).
Owen, R. 1845 B, 235 ("anguians").
Palacký, J. 1899 C, 253, 281 ("anguiden").
1902 B, 145 ("anguiden").
Scharff, R. F. 1911 A, 202, 281, 348.
Schmidt, W. J. 1909 A, 362.
1910 A ("anguiden").
1912 A, 84 ("anguiden").
1912 B, 142 ("anguiden").
1914 A, 1 ("anguiden").
Seydel, O. 1899 A, 496, fig. 21 (Anguis).
Sirena, S. 1872 A, 132 (Anguis).
Spencer, W. B. 1886 A, 204 (Anguis).
Stehli, G. 1910 A, 748 (Anguis).
Thäter, K. 1910 A, 504.
Versluys, J. 1898 A, 212.
Williston, S. W. 1925 B, 267 (Anguinidæ).
Zimmermann, S. 1913 A, 594 (Anguis).

GLYPTOSAURUS Marsh. Type *G. sylvestris* Marsh.

Hay, O. P. 1902 A, 475.
Abel, O. 1926 B, 338.
Ameghino, F. 1893 E, 731.
1909 B, 94, 97, 110 (Helodermoides).
Boulenger, G. A. 1891 D, 116.
Camp, C. L. 1923 A, 327, 474, figs. 95, 96 (Glyptosaurus); 327 (Helodermoides).
Douglass, E. 1903 A, 160 (Helodermoides; type *H. tuberculatus*).
1905 A, 211 (Helodermoides).
Gilmore, C. W. 1915 H, 159.
1927 G, 3, 7, 9, 90, 91 (Glyptosaurus); 7, 9, 10, 92 (Helodermoides).
Matthew, W. D. 1915 A, 289.
Nopcsa, F. 1923 H, 76.
1928 A, 177.
Osborn, H. F. 1909 D, 47, 49.
Williston, S. W. 1925 B, 268 (Glyptosaurus, Helodermatoides).

Glyptosaurus giganteus Gilmore.

Gilmore, C. W. 1927 G, 8, 10, 94, 95, 119; pl. xiv, fig. 1.
Oligocene (White River); Nebraska.

Glyptosaurus hillsi Gilmore.

Gilmore, C. W. 1927 G, 8, 10, 94, 95, 107, pl. iv, fig. 3; pl. xvii; text-figs. 62-67.

Hills, R. C. 1889 A, 221 ("Glyptosaurus").
Osborn, H. F. 1897 G, 249 ("Glyptosaurus").
1909 D, 49 ("Glyptosaurus").
1910 B, 129 ("Glyptosaurus").
Middle Eocene (Huerfano); Colorado.

Glyptosaurus montanus Douglass.

Douglass, E. 1908 C, 278, figs. 1, 2 (This genus?).
Gilmore, C. W. 1915 H, 160.
1927 G, 4, 7, 8, 9, 93, 95, 115, text-fig. 72.
Lower Oligocene (Titanotherium); Montana.

Glyptosaurus nodosus Marsh.

Hay, O. P. 1902 A, 475.
Douglass, E. 1908 C, 282.
Gilmore, C. W. 1915 H, 160.
1927 G, 3, 6, 8, 9, 94, 104, pl. xiv, figs. 2-5.
Nopcsa, F. 1908 A, 40.
Middle Eocene (Bridger); Wyoming.

Glyptosaurus obtusidens Loomis.

Loomis, F. B. 1907 B, 358, 363, fig. 3.
Cope, E. D. 1877 K, 42, pl. xxxii, figs. 26, 36 (Placosauridæ).
Gilmore, C. W. 1927 G, 4, 7, 8, 9, 94, 95, 117, pl. xix, figs. 1, 2 (G. obtusidens); pl. xx, figs. 12-12j (Placosauridæ).
Lower Eocene (Wasatch); Wyoming, New Mexico.

Glyptosaurus princeps Marsh.

Hay, O. P. 1902 A, 475.
Douglass, E. 1908 C, 282.
Gilmore, C. W. 1915 H, 160.
1927 G, 6, 8, 9, 94, 95, 102, pl. xv, figs. 1, 3, 4, 7, 8.
Nopcsa, F. 1908 A, 40.
Middle Eocene (Bridger); Wyoming.

Glyptosaurus rugosus Marsh.

Hay, O. P. 1902 A, 475.
Boulenger, G. A. 1891 A, 116.
1891 D, 116.
Douglass, E. 1908 C, 282.
Gilmore, C. W. 1915 H, 160.
1927 G, 6, 8, 9, 94, 95, 104, pl. xvi.
Nopcsa, F. 1908 A, 40.
Middle Eocene (Bridger); Wyoming.

Glyptosaurus sphenodon Marsh.

Hay, O. P. 1902 A, 475.
Douglass, E. 1908 C, 283.
Gilmore, C. W. 1915 H, 160.
1927 G, 6, 8, 9, 94, 95, 106, pl. xviii, figs. 12, 13.
Nopcsa, F. 1908 A, 40.
Middle Eocene (Bridger); Wyoming.

Glyptosaurus sylvestris Marsh.

Hay, O. P. 1902 A, 475 (G. sylvestris, G. ocellatus).
Douglass, E. 1908 C, 281 (G. sylvestris, G. brevidens, G. ocellatus).
Gilmore, C. W. 1915 H, 160 (G. anceps, G. sylvestris, G. brevidens, G. ocellatus).
1927 G, 3, 6, 8, 9, 46, 94, 95, 96, pl. iv, fig. 4; pls. xii-xiv; text-fig. 61 (G. sylvestris); 3, 9, 96 (G. ocellatus); 6, 96 (G. brevidens).
Nopcsa, F. 1908 A, 40 (G. sylvestris, G. brevidens, G. ocellatus).
Middle Eocene (Bridger); Wyoming.

Glyptosaurus tuberculatus (Douglass).

Douglass, E. 1903 A, 149, 160, figs. 4, 5 (Helodermoides).
1908 C, 280 (Helodermoides).
Gilmore, C. W. 1927 G, 8, 9, 94, 95, 113, pl. xviii, figs. 1-11; text-figs. 68, 69 (Glyptosaurus); 7, 9, 113 (Helodermoides).
Nopcsa, F. 1908 A, 40 (Helodermoides).
Oligocene (Pipestone Creek beds, White River); Montana.

Glyptosaurus sp. indet.

Gilmore, C. W. 1915 H, 159, 160. Upper Eocene (Uinta); Utah.
1927 G, 94, 119. Oligocene (Lower White River); Canada: Eocene (Upper Uinta); Utah: Eocene (Wind River); Wyoming: Eocene (Upper Huerfano, Pawnee Creek); Colorado: Oligocene (Cypress Hills); Saskatchewan.
Sinclair and Granger 1911 A, 91. Eocene (Wind River); Wyoming.

Peltosaurus Cope. Type *P. granulosus* Cope.

Hay, O. P. 1902 A, 475.
Gilmore, C. W. 1926 K, 229.
1927 G, 7, 9, 90, 93, 120, text-fig. 96.
Matthew, W. D. 1915 A, 289.
Nopcsa, F. 1928 A, 177.
Seeley, H. G. 1886 A, 512.

Peltosaurus abbotti Gilmore.

Gilmore, C. W. 1927 G, 8, 10, 121, 131, 135, pl. xxii, figs. 1, 2; text-fig. 83.
Oligocene (White River); South Dakota.

Peltosaurus granulosus Cope.

Hay, O. P. 1902 A, 475.
Douglass, E. 1908 C, 284, figs. 6-8 (This species?).
Gilmore, C. W. 1926 K, 229, pl. xv.
1927 G, 6, 8, 9, 93, 121, 122, pl. xx, figs. 1-9; pl. xxii, fig. 3; text-figs. 73, 75-79, 82.
Lambe, L. M. 1905 D, 366 A.
1908 A, 9, 19, pl. i, figs. 23-25.
Nopcsa, F. 1908 A, 44.
Sinclair, W. J. 1924 A, 132.
Oligocene (White River); Colorado, South Dakota, Nebraska.

Peltosaurus? piger Gilmore.

Gilmore, C. W. 1927 G, 8, 10, 121, 136, pl. xxvi, figs. 4-6*a*; text-fig. 85.
Upper Cretaceous (Lance); Wyoming.

Peltosaurus sp. indet.

Gilmore, C. W. 1927 G, 137. Paleocene (Fort Union); Montana: (Torrejon); New Mexico: Oligocene (Cypress Hills); Saskatchewan.

MELANOSAURUS Gilmore. Type *M. maximus* Gilmore.

Gilmore, C. W. 1927 G, 8, 11, 93, 138.

Melanosaurus maximus Gilmore.

Gilmore, C. W. 1927 G, 8, 10, 93, 138, pl. xv, fig. 2; pls. xxiii, xxiv; text-figs. 86-92, 94, 95.
Lower Eocene (Wasatch); Wyoming.

XESTOPS Cope. Type *Oreosaurus vagans* Marsh.

Hay, O. P. 1902 A, 475.
Camp, C. L. 1923 A, 327, 329, figs. 1, 94, 101-103, 106, 107, 109-111.
Gilmore, C. W. 1927 G, 7, 10, 90, 93, 144, text-fig. 96.
Nopcsa, F. 1928 A, 177.

Xestops? gracilis (Marsh).

Hay, O. P. 1902 A, 475.
Gilmore, C. W. 1927 G, 6, 8, 10, 144, 146, pl. ii, figs. 5-10.
Nopcsa, F. 1908 A, 48.
Middle Eocene (Bridger); Wyoming.

Xestops? lentus (Marsh).

Hay, O. P. 1902 A, 475.
Gilmore, C. W. 1927 G, 6, 8, 10, 144, 149, pl. ii, figs. 13, 13*a*.
Nopcsa, F. 1908 A, 48.
Middle Eocene (Bridger); Wyoming.

Xestops? microdus (Marsh).

Hay, O. P. 1902 A, 475.
Gilmore, C. W. 1927 G, 6, 8, 10, 144, 148, pl. ii, figs. 2, 3.
Nopcsa, F. 1908 A, 48.
Middle Eocene (Bridger); Wyoming.

Xestops? minutus (Marsh).

Hay, O. P. 1902 A, 475.
Gilmore, C. W. 1927 G, 6, 8, 10, 144, 147, pl. ii, figs. 11, 12.
Nopcsa, F. 1908 A, 48 (X. miuntis).
Middle Eocene (Bridger); Wyoming.

Xestops? pawneensis Gilmore.

Gilmore, C. W. 1927 G, 8, 10, 144, 150.
Oligocene (White River); Colorado.

Xestops vagans (Marsh).

Hay, O. P. 1902 A, 475.
Gilmore, C. W. 1927 G, 6, 8, 10, 144, 145, pl. xix, figs. 3-11.
Nopcsa, F. 1908 A, 48.
Middle Eocene (Bridger); Wyoming.

SAURIA OF UNDETERMINED FAMILIES.

ALETHESAURUS Gilmore. Type *A. quadratus* Gilmore.

Gilmore, C. W. 1927 G, 9, 162.

Alethesaurus quadratus Gilmore.

Gilmore, C. W. 1927 G, 9, 10, 162, pl. xxvi, fig. 13.
Upper Cretaceous (Lance); Wyoming.

CREMASTOSAURUS Cope. Type *C. carinicollis* Cope.

Hay, O. P. 1902 A, 477.
Broili, F. 1908 E, 297.
Gilmore, C. W. 1927 G, 7, 9, 151.
Williston, S. W. 1925 B, 274.

Cremastosaurus carinicollis Cope.

Hay, O. P. 1902 A, 477.
Gilmore, C. W. 1927 G, 6, 9, 34, 151, pl. xxv, figs. 3-3*c*.
Nopcsa, F. 1908 A, 38.
Seeley, H. G. 1886 A, 513.
Oligocene (White River); Colorado.

Cremastosaurus rhambastes (Cope).

Hay, O. P. 1902 A, 477 (Platyrhachis).
Gilmore, C. W. 1927 G, 10, 152, pl. xxv, figs. 8-8*c* (Cremastosaurus); 6, 9, 10, 34, 152 (Platyrhachis).
Nopcsa, F. 1908 A, 44 (Platyrhachis rhambestes).
Oligocene (White River); Colorado.

Cremastosaurus unipedalis (Cope).

Hay, O. P. 1902 A, 477 (Platyrhachis).
Gilmore, C. W. 1927 G, 9, 153, pl. xxvi, figs. 1-1*b* (Cremastosaurus); 6, 9, 10, 34, 152 (Platyrhachis); 9, 153 (Diacium).
Nopcsa, F. 1908 A, 44 (Platyrhachis).
Oligocene (White River); Colorado.

CTENIOGENYS Gilmore. Type *C. antiquus* Gilmore.

Gilmore, C. W. 1927 G, 9, 162.

Cteniogenys antiquus Gilmore.

Gilmore, C. W. 1927 G, 9, 10, 162, pl. xx, figs. 13, 14.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

DIACIUM Cope. Type *D. quinquepedale* Cope.

Hay, O. P. 1902 A, 477.
Broili, F. 1908 E, 297.
Gilmore, C. W. 1927 G, 7, 9, 153.
Williston, S. W. 1925 B, 274.

Diacium quinquepedale Cope.

Hay, O. P. 1902 A, 477.
Gilmore, C. W. 1927 G, 6, 9, 34, 154, pl. xxv, figs. 2-2*c*.
Nopcsa, F. 1908 A, 38.
Seeley, H. G. 1886 A, 513.
Oligocene (White River); Colorado.

HABROSAURUS Gilmore. Type *H. dilatus* Gilmore.

Gilmore, C. W. 1927 G, 9, 161.

Habrosaurus dilatus Gilmore.

Gilmore, C. W. 1927 G, 9, 10, 161, pl. xxvi, figs. 7, 9; text-fig. 106.
Upper Cretaceous (Lance); Wyoming.

HARPAGOSAURUS Gilmore. Type *H. parvus* Gilmore.

Gilmore, C. W. 1927 G, 9, 156.

Harpagosaurus parvus Gilmore.

Gilmore, C. W. 1927 G, 9, 10, 156, text-fig. 98.
Upper Cretaceous (Lance); Wyoming.

Harpagosaurus excedens Gilmore.

Gilmore, C. W. 1927 G, 9, 10, 157, text-figs. 99, 100.
Paleocene (Fort Union); Montana.

LANCEOSAURUS Gilmore. Type *L. hatcheri* Gilmore.

Gilmore, C. W. 1927 G, 9, 160.

Lanceosaurus hatcheri Gilmore.

Gilmore, C. W. 1927 G, 9, 10, 160, pl. xxvi, fig. 8; text-fig. 104.
Upper Cretaceous (Lance); Wyoming.

Lanceosaurus compressus Gilmore.

Gilmore, C. W. 1927 G, 9, 10, 161, text-fig. 105.
Upper Cretaceous (Lance); Wyoming.

MACHÆROSAURUS Gilmore. Type *M. torrejonensis* Gilmore.

Gilmore, C. W. 1927 G, 9, 155.

Machærosaurus torrejonensis Gilmore.

Gilmore, C. W. 1927 G, 9, 10, 155, pl. iv, fig. 5.
Paleocene (Torrejon); New Mexico.

MEGASAURUS Gilmore. Type *M. robustus* Gilmore.

Gilmore, C. W. 1927 G, 9, 157.

Megasaurus robustus Gilmore.

Gilmore, C. W. 1927 G, 9, 10, 157, pl. xxvii, figs. 1, 1*a*.
Upper Cretaceous (Lance); Wyoming.

NAOCEPHALUS Cope. Type *N. porrectus* Cope.

Cope, E. D. 1872 NN, 6.
Hay, O. P. 1902 A, 477.
Gilmore, C. W. 1927 G, 9, 154.
Nopcsa, F. 1908 A, 43.
1923 H, 76.
Williston, S. W. 1925 B, 274.

Naocephalus porrectus Cope.

Cope, E. D. 1872 NN, 6.
Hay, O. P. 1902 A, 477.
Gilmore, C. W. 1927 G, 1, 6, 9, 34, 154.
Nopcsa, F. 1908 A, 43.
Middle Eocene (Bridger); Wyoming.

ODAXOSAURUS Gilmore. Type *O. obliquus* Gilmore.

Gilmore, C. W. 1927 G, 9, 158.

Odaxosaurus obliquus Gilmore.

Gilmore, C. W. 1927 G, 9, 10, 158, pl. xxvi, figs. 3, 5; text-figs. 101, 102.
Upper Cretaceous (Lance); Wyoming.

PRIONOSAURUS Gilmore. Type *P. regularis* Gilmore.

Gilmore, C. W. 1927 G, 9, 159.

Prionosaurus regularis Gilmore.

Gilmore, C. W. 1927 G, 9, 10, 159, pl. xxvi, fig. 1; text-fig. 103.
Upper Cretaceous (Lance); Wyoming.

Suborder MOSASAURIFORMES, new name.

Hay, O. P. 1902 A, 464 (Pythonomorpha).
Abel, O. 1904 B, 741 (Pythonomorpha).
1905 B, 203 ("mosasauriens").
1907 A, 226 ("pythonomorphen").
1907 G, 16, fig. 10 ("mososaurier").
1908 E, 406 ("pythonomorphen").
1908 G, (44) ("pythonomorphen").
1910 B, (186) (Pythonomorpha).
1912 F, 123, 460, 686 ("mosasaurier"); 159 ("pythonomorphen").
1919 A, 666 (Mosasauria).
1920 A, 397 (Mosasauria).
1921 A, 222 ("mososaurier").
1922 C, 306 ("mosasaurier").
Anderson, R. J. 1912 D, 251 (Pythonomorphia).
Arldt, T. 1907 D, 678 (Pythonomorpha).
Arthaber, G. 1906 A, 319 ("pythonomorphen").
Bardeleben, K. 1901 A, 46 ("mosasaurier").
Baur, G. 1889 L, 312 (Mosasauria).
Beard, J. C. 1901 B, 267 ("mosasaurs").
Boas, J. E. V. 1914 B, 560 ("mosasaurier").
Bogolubow, N. 1910 A, 8 ("mosasauriens").
Boule, M. 1891 A, 10 ("mosasauriens").
1902 B, 906 ("mosasauriens").
Boulenger, G. A. 1891 D, 117 (Pythonomorpha).
1893 B, 205 (Pythonomorpha).
1917 D, 1045 ("mosasaurs").
Brauns, D. 1890 A, 151, 202 (Pythomomorpha).
Broom, R. 1901 A, 188 (Pythonomorpha).
1913 C, 507 ("mosasaurs").
1924 B, 64, fig. 13 (Pythonomorpha).
Camp, C. L. 1923 A, 297, 300, 322, etc. (Mosasauriodea).
Camper, A. 1812 A, 215, pls. i-iii ("sauroïdes de Maestricht").
Case, E. C. 1898 C, 718 ("mosasaurs").
1905 E, 179 ("mosasaurs").
Cope, E. D. 1880 U, 146 ("pythonomorphes").
1891 N, 45, 50 (Pythonomorpha).
Dames, W. 1899 D, 552 ("mosasaurier").
Depéret, C. 1907 B ("pythonomorphes").
Diener, C. 1909 A, 41 ("pythonomorphen").
Döderlein, L. 1900 A, 335 (Pythonomorpha).
Dollo, L. 1889 K, 271 ("mosasauriens").
1903 B, 137 ("mosasauriens").
1904 A, 207 ("mosasauriens").
1904 B, 217 ("mosasauriens").
1909 A, 106 ("mosasaurs").
1913 B, 615 ("mosasauriens").
1924 A, 172, 184, 187, 196 ("mosasauriens").
Duncan, P. M. 1878 A, 752 ("mosasaurs").
Fejérváry, G. J. 1918 A, 434 (Mosasauria).
Fraas, E. 1901 B, cxxvi ("pythonomorphen").
1902 B, 6 ("pythonomorphen").
1905 B, 373 ("mosasaurier").
Frech, F. 1906 A, 494 ("mosasaurier").
Fuchs, H. 1908 C, 213 ("pythonomorphen").
1909 B, 149 (Mosasauria).
Fürbringer, M. 1900 A (Mosasauria).
1904 A, 585 (Mosasauria).
Gadow, H. 1901 B, 487 (Pythonomorpha); 489 (Mosasauri).
1902 B, 359 (Pythonomorpha).
1914 A, 503 ("pythonomorphs").
Gaupp, E. 1911 C, 445 ("pythonomorphen").
1912 B, 233 ("pythonomorphen").
1913 A, 58 ("mosasaurier").
Gervais, P. 1859 A, 461 ("mosasauridés").
Gill, T. 1881 A, 376 ("mosasauroids").
Gilmore, C. W. 1927 G, 14, 73, 86, 87 (Mosasauroidea).
Goodrich, E. S. 1916 A, 264 (Pythonomorpha).
Heilprin, A. 1887 A, 169, 172 (Pythonomorpha).
Hoernes, R. 1886 A, 608 (Pythonomorpha).
1912 A, 661 (Pythonomorpha).
Howes and Swinnerton 1901 A, 29, 69 (Mosasauria).
Huene, F. 1910 B, 50 ("mosasaurier").
1910 D, 313 ("mosasauriden").
1914 G, 47, pl. vii ("mosasaurier").
Hutchinson, H. N. 1910 A, 187 ("sea-serpents").
Jaekel, O. 1902 A, 110 ("mosasaurier").
1905 B, 61 (Mosasauria).
1908 B, 464 ("mosasaurier").
1910 C, 336 (Mosasauri).
1911 A, 154 (Mosasauri).
1913 C, 14 ("mosasaurier").
Janensch, W. 1906 A, 30 ("pythonomorphen").
Juhn, M. 1923 A, 71 (Mosasauria).
Kingsley, J. S. 1905 A, 62 ("mosasaurs").
1912 B, 93 ("pythonomorphs").
1925 A, 186 (Pythonomorpha).
Koken, E. 1901 B, 221 ("mosasaurier").
Lavocat, A. 1885 A, 34 ("mosasaures").
Lydekker, R. 1912 C, 4, 106, 132 (Pythonomorpha).
Matthew, W. D. 1916 C, 519 ("mosasaurs").
Merriam, J. C. 1912 B, 222 (Mosasauria).
Moodie, R. L. 1907 A, 91 (Mosasauria).
1923 B, 563 ("mosasaurs").
1926 A, 90 ("mosasaurs").
Nopcsa, F. 1903 A, 119 ("mosasaurs").
1903 C, 38 (Pythonomorpha).
1922 A, 115 ("mosasaurier").
1923 B, 357 ("mosasaurier").
1923 G, 109, 110, 111, 140.
1923 H, 1, 2, 8, 56, 73, 75, 76, 163, 181 (Pythonomorpha); 124 (Pythonomorphidæ); 4, 76, 113, 162 (Mosasauria).
1926 A, 638 (Mosasauria).
Osborn, H. F. 1903 H, 456 (Mosasauria).
1904 H, 114 (Mosasauria).
1905 C, 295 (Mosasauria).
1905 N, 240 (Mosasauria).
1912 J, 5 ("mosasaurs").
1917 B, 201, 209 (Mosasauria).
Osburn, R. C. 1906 A, 448 (Mosasauria).

Palacký, J. 1902 B, 141 (Pythonomorphi).
Parker and Haswell 1897 A, 312, 349 (Pythonomorpha).
Pompeckj, J. F. 1910 A, 127 (Mosasauria).
1925 A, 6, 10 ("mosasaurier").
Reynolds, S. H. 1897 A, 204, 273, 284, 287, 290 (Pythonomorpha).
Rogenhofer, A. 1908 A, (44) ("pythonomorphen").
Schwarz, H. 1908 B, 100 ("mosasaurier").
Seeley, H. G. 1878 C, 752 ("mosasaurians").
Sewertzoff, A. N. 1908 A, 300 (Mosasauria).
Steinmann, G. 1907 A, 442 (Thalattosauria).
1908 A, 235, 239 (Mosasauria); 237, 239 (Thalattosauria).
1912 A, 49 ("mosasaurier").
Stremme, H. 1909 A, 505 ("pythonomorphen")
Stromer, E. 1912 A, 76 (Mosasauria).
Thyng, F. W. 1906 A, 58 (Pythonomorpha).
Versluys, J. 1912 A, 491 ("mosasaurier").
1912 B, 631, 687 (Mosasauria).
Watson, D. M. S. 1919 A, 293 ("mosasaurs")
Wegner, R. N. 1922 A, 489 (Mosasauria).
Williston, S. W. 1893 D, 110 ("mosasaurs").
1902 F, 261 (Mosasauria).
1903 A, 26 (Pythonomorpha).
1904 A, 43, 48 (Mosasauria).
1914 A, 17, 45, 148 ("mosasaurs").
1915 C, 371 ("mosasaurs").
1917 C, 412 (Mosasauria).
1918 A, 79 (Mosasauria).
1925 A, *passim* (Mosasauria).
1925 B, 212, 272 (Pythonomorpha).
Woodward, A. S. 1897 C, 380 (Pythonomorpha).
1898 E, 330 (Pythonomorpha).
1909 A, 327 (Mosasauria).
1910 B, 467 (Mosasauria).
1922 C, 4 (Mosasauria).
1923 A, 33 ("mosasaurians").
Zittel and Broili 1911 A, 21 (Mosasauria).
1923 A, 258 (Mosasauria).
Zittel and Eastman, etc. 1902 A, 152 (Pythonomorpha).

MOSASAURIDÆ.

Hay, O. P. 1902 A, 464.
Arldt, T. 1907 D, 666.
Beard, J. C. 1901 B, 267.
Boulenger, G. A. 1891 D, 113, 116.
1893 B, 205.
Camp, C. L. 1923 A, 297, 301, 333.
Dames, W. 1883 C, 270.
Dollo, L. 1884 E, 68.
1923 A, 80 ("mosasauriens").
1924 A, 188.
Douglass, E. 1902 C, 212 ("mosasaurs").
Gervais, P. 1859 A, 461 ("mosasauridés").
Gilmore, C. W. 1926 L, 191.
Huene, F. 1922 D, 278 ("mosasauriden").
Lucas, F. A. 1901 J, 50 ("mosasaurs").
Marsh, O. C. 1872 U, 20 ("Mosasaurus").
Matthew, W. D. 1921 D, 211.
Nopcsa, F. 1903 C, 39.
1908 A, 56 ("mosasauriden").
1926 A, 638.
1928 A, 177.
Sauvage, H. E. 1901 B, 9 ("mosasaurs").
Tornier, G. 1913 B, 345, 347.
Williston, S. W. 1925 A, 70.
Zittel and Broili 1911 A, 211.
1923 A, 258.
Zittel, Eastman, etc. 1902 A, 157.

TYLOSAURINÆ Williston.

Hay, O. P. 1902 A, 471.
Case, E. C. 1898 C, 719.
Dames, W. 1899 D, 552.
Dollo, L. 1924 A, 198.
Sauvage, H. E. 1901 B, 11.
Williston, S. W. 1902 F, 263.
Zittel, Eastman, etc. 1902 A, 157.

TYLOSAURUS Marsh. Type *T. micromus* Marsh.

Hay, O. P. 1902 A, 471.
Abel, O. 1912 F, 123, fig. 66.
1919 A, 677.
Bogolubow, N. 1910 A, 8 (Liodon).
Boule, M. 1902 B, 906, fig. 6.
Broili, F. 1926 C, 33.
Camp, C. L. 1923 A, 323.
Case, E. C. 1898 C, 719.
Dames, W. 1899 D, 552.
Darton, N. H. 1915 A, 47, pl. v.
Dollo, L. 1889 K, 275, 281.
1909 A, 106.
Drevermann, F. 1914 A, 41, fig. 6.
Fraas, E. 1905 B, 373.
Howes, G. B. 1902 A, 525.
Huene, F. 1910 D, 297.
1925 D, 234.
Janensch, W. 1906 A, 31.
Lee, Stone, Gale 1915 A, pl. v, fig. B.
Lucas, F. A. 1901 F, 485, 490, pl. iv.
Lull, R. S. 1919 A, 223.
Nopcsa, F. 1903 C, 38, pl. v, fig. 9; pl. vi, figs. 3, 11.
1908 A, 56, fig. 2.
1923 E, 1051, fig. 8.
1923 H, 163.
1926 A, 657.
Osborn, H. F. 1917 B, 200, 209, 210, figs.
1918 D, 683.
1919 A, 71.
Osburn, R. C. 1906 A, 450.
Pompeckj, J. F. 1910 A, 133.
Rogers, A. F. 1924 A, 545.
Sauvage, H. E. 1901 B, 9, 10.
1902 B, 11.
Schuchert and Levene 1927 A, 305, fig.
Sternberg, C. H. 1881 B, 3 (Leiodon).
1899 C, 259.
1905 A, 126.
1917 A, 13, 160, fig. 5 ("tylosaur").
Williston, S. W. 1893 L, 32.
1902 F, 261, 263.

Williston, S. W. 1907 A, 484.
1908 H, 163.
1911 B, 46.
1914 A, 153, 166, figs. 70, 72, 75, 78, 79.
1925 A, 67, 180, 193, 199, fig. 54.
1925 B, 272.
Wiman, C. 1920 A, 12.
Zittel and Broili 1911 A, 217.
1923 A, 255, 265.

Tylosaurus congrops (Cope).

Hay, O. P. 1902 A, 472.
Upper Cretaceous (Selma?); Alabama.

Tylosaurus dyspelor (Cope).

Hay, O. P. 1902 A, 472.
Abel, O. 1909 F, 468, fig. 7.
1912 F, 123.
1919 A, 665, figs. 521, 523, 526, 531.
1920 A, 399, figs. 619, 620.
1922 C, 308, 313, figs. 260, 267, 268.
Camp, C. L. 1923 A, 413.
Fejérváry, G. J. 1918 A, 436, figs. 25, 27.
Gaupp, E. 1913 A, 97, fig. 58.
Huene, F. 1909 F, 586, fig. 4.
1910 D, 298, pls. i, ii; text-figs. 1-11.
1919 A, 183, pl. viii, fig. 1.
Lambe, L. M. 1914 H, 402.
Lucas, F. A. 1901 J, 52, fig. 9.
Merrill, G. P. 1907 A, 74 (Liodon); 80 (Tylosaurus).
Osborn, H. F. 1904 F, 31, 49.
Sauvage, H. E. 1902 B, 11.
Sternberg, C. H. 1898 C, 268 ("Tylosaurus").
1908 A, 111, fig.
1909 C, 49, figs. 8, 9.
Williston, S. W. 1910 E, 538.
Wiman, C. 1920 A, 14, pl. iv, fig. 6.
Upper Cretaceous (Niobrara); Kansas, New Mexico.

Tylosaurus laticaudus (Marsh).

Hay, O. P. 1902 A, 472.
Upper Cretaceous; New Jersey.

Tylosaurus micromus Marsh.

Hay, O. P. 1902 A, 472.
Williston, S. W. 1902 E, 253 (Rhinosaurus).
Upper Cretaceous (Niobrara); Kansas.

Tylosaurus nepæolicus (Cope).

Hay, O. P. 1902 A, 472.
Bogolubow, N. 1910 A, 11 (Liodon).
Upper Cretaceous (Niobrara); Kansas.

Tylosaurus perlatus (Cope).

Hay, O. P. 1902 A, 472.
Upper Cretaceous (Selma?); Alabama.

Tylosaurus proriger (Cope).

Hay, O. P. 1902 A, 472.
Ballou, W. H. 1897 A, 23, fig. 21 ("Nectoportheus proriger").
Bogolubow, N. 1910 A, 10 (Liodon).
Cope, E. D. 1869 P, 122 (Macrasaurus pririger).
Gilmore, C. W. 1921 B, 274, figs. 1, 2.
Lambe, L. M. 1914 H, 402.
Merrill, G. P. 1907 A, 80.
Osburn, R. C. 1906 A, pl. viii, fig. 25.
Pompeckj, J. F. 1910 A, 137.
Seitz, A. L. L. 1907 A, 341.
Sternberg, C. 1881 B, 3 (Leiodon).
1907 C, 122 (Tylosaurus).
Stromer, E. 1912 A, 11.
Tornier, G. 1913 B, 353, fig. 32.
Williston, S. W. 1898 L, 28.
1910 E, 538.
Upper Cretaceous (Niobrara); Kansas.

Tylosaurus rapax Hay.

Hay, O. P. 1902 A, 473.
Upper Cretaceous (Navesink?); New Jersey.

Tylosaurus sectorius (Cope).

Hay, O. P. 1902 A, 473.
Upper Cretaceous (Navesink?); New Jersey.

MACROSAURUS Owen. Type *M. lævis* Owen.

Hay, O. P. 1902 A, 471.

Macrosaurus lævis Owen.

Hay, O. P. 1902 A, 471.
Upper Cretaceous (Tombigbee or Selma); Mississippi.

Macrosaurus mitchillii (DeKay).

Hay, O. P. 1902 A, 471.
Upper Cretaceous (Navesink?); New Jersey.

PLATECARPINÆ Williston.

Hay, O. P. 1902 A, 468.
Case, E. C. 1898 C, 719.
Dames, W. 1899 D, 552.
Dollo, L. 1924 A, 198.
Sauvage, H. E. 1901 B, 11.
Zittel, Eastman, etc. 1902 A, 157.

PLATECARPUS Cope. Type *P. tympaniticus* Cope.

Hay, O. P. 1902 A, 469 (Platecarpus); 470 (Lestosaurus).
Abel, O. 1919 A, 675.
1922 C, 315.
Broili, F. 1926 B, 172, fig. 1.
Broili and Fischer 1917 A, 407, fig. 10.
Broom, R. 1921 A, 155, fig. 27.
Camp, C. L. 1923 A, 323.
Capps, S. R. 1907 A, 351.
Case, E. C. 1898 C, 720.
Dames, W. 1899 D, 552.
Dollo, L. 1889 K, 276, 282, 288, 297 (Platecarpus); 283, 288, 297 (Lestosaurus).
1909 A, 106.
Gadow, H. 1901 B, 490.
Huene, F. 1911 B, 48.
1912 G, 137.
Jaekel, O. 1905 C, 145, fig. 13.
Loomis, F. B. 1904 B, 254.
1915 A, 557 (Platycarpus).

Lull, R. S. 1919 A, 223.
Moodie, R. L. 1923 B, 216, 262, pl. xli.
1926 A, 68, 84, 89, 94, pls. xiii, xiv; text-figs. 6, 9.
Nopcsa, F. 1903 C, 38, pl. v, fig. 5; pl. vi, fig. 10.
1923 E, 1051, figs. 8, 9.
1923 G, 111.
1923 H, 163.
Osborn, H. F. 1904 I, 35.
1917 B, 210.
1918 D, 683.
1919 A, 71.
Pompeckj, J. F. 1910 A, 128.
Sauvage, H. E. 1901 B, 9.
Schwartz, H. 1908 A, 326.
1908 B, 100.
Steinmann, G. 1908 A, 239, fig. 143.
Sternberg, C. H. 1899 C, 269.
1905 A, 126.
1909 C, 51.
Tornier, G. 1913 B, 347, fig. 20.
Williston, S. W. 1902 E, 247, 250.
1904 B, 177, text-fig. 7.
1907 A, 484.
1908 H, 163.
1910 E, 537.
1911 B, 46.
1914 A, 151, 166, figs. 69, 72, 73, 76, 77.
1918 A, 79, fig. 3.
1925 A, 71, 103, 151, 180, 193, 199, figs. 57, 80, 123, 147, 158.
1925 B, 272, 273, fig. 184.
Zittel and Broili 1911 A, 217.
1923 A, 261, 264, fig. 366.
Zittel and Eastman 1902 A, 157.

Platecarpus brachycephalus Loomis.

Loomis, F. B. 1915 A, 556, figs. 1-9.
Upper Cretaceous (Pierre); Wyoming.

Platecarpus clidastoides (Merriam).

Hay, O. P. 1902 A, 469 (Lestosaurus).
Upper Cretaceous; Kansas.

Platecarpus coryphæus Cope.

Hay, O. P. 1902 A, 469 (Lestosaurus).
Abel, O. 1922 C, 307, 312, figs. 259, 265.
Camp, C. L. 1923 A, 413.
Drevermann, F. 1914 A, 43, fig. 8.
Huene, F. 1911 B, 49.
1919 A, 183, pl. viii, fig. 2.
Kingsley, J. S. 1905 A, 63, fig. 3.
Lambe, L. M. 1914 H, 399, 401, 402, pl. i.
Merrill, G. P. 1907 A, 73 (Lestosaurus).
Moodie, R. L. 1918 C, 234, figs. 15-19.
1923 B, 169, pls. xxxix, xl, xlviii.
Osburn, R. C. 1906 A, pl. viii, fig. 22.
Pompeckj, J. F. 1910 A, 137.
Seitz, A. L. L. 1907 A, 335.
Steinmann, G. 1907 A, 444, fig. 780.
1909 A, 83, fig. 15.
Sternberg, C. H. 1905 A, 127.
1907 C, 122.
1908 A, 113.
1909 C, 50, 204, fig. 10.
1911 A, 71.
1918 A, 205.
Williston, S. W. 1902 E, 248, pl. xii, fig. 1.
Williston, S. W. 1910 E, 538.
Wiman, C. 1920 A, 10, pls. iii, iv, figs. 7, 8; text-fig. 2.
Woodward, A. S. 1922 C, 5, fig. 2.
Zittel and Broili 1911 A, 216, fig. 355.
1923 A, 260, 263, figs. 364, 371.
Zittel, Eastman, etc. 1902 A, 158, figs. 244, 249, 250.
Upper Cretaceous (Niobrara, Pierre?); Kansas.

Platecarpus crassartus Cope.

Hay, O. P. 1902 A, 470 (Lestosaurus).
Upper Cretaceous (Pierre); Kansas.

Platecarpus curtirostris Cope.

Hay, O. P. 1902 A, 470 (Lestosaurus).
Upper Cretaceous (Niobrara); Kansas.

Platecarpus felix (Marsh).

Hay, O. P. 1902 A, 470 (Lestosaurus).
Williston, S. W. 1902 E, 253 (Syn.? of P. coryphæus).
Upper Cretaceous (Niobrara); Kansas.

Platecarpus glandiferus Cope.

Hay, O. P. 1902 A, 470 (Lestosaurus).
Upper Cretaceous (Niobrara, Pierre?); Kansas.

Platecarpus gracilis (Marsh).

Hay, O. P. 1902 A, 470 (Lestosaurus).
Williston, S. W. 1902 A, 253.
Upper Cretaceous (Niobrara); Kansas.

Platecarpus ictericus Cope.

Hay, O. P. 1902 A, 470 (Lestosaurus).
Camp, C. L. 1923 A, 413.
Osburn, R. C. 1906 A, pl. viii, fig. 28.
Pompeckj, J. F. 1910 A, 137.
Wiman, C. 1920 A, pl. iv, fig. 7.
Upper Cretaceous (Niobrara); Kansas.

Platecarpus latifrons (Marsh).

Hay, O. P. 1902 A, 470 (Lestosaurus).
Upper Cretaceous (Niobrara); Kansas.

Platecarpus? latispinus Cope.

Hay, O. P. 1902 A, 470 (Lestosaurus).
Loomis, F. B. 1915 A, 557 (This genus?).
Upper Cretaceous (Pierre?); Wyoming.

Platecarpus mudgei Cope.

Hay, O. P. 1902 A, 470 (Lestosaurus).
Upper Cretaceous (Niobrara); Kansas.

Platecarpus oxyrhinus Merriam.

Hay, O. P. 1902 A, 470 (Lestosaurus).
Upper Cretaceous (Niobrara); Kansas.

Platecarpus planifrons Cope.

Hay, O. P. 1902 A, 470 (Lestosaurus).
Upper Cretaceous (Niobrara); Kansas.

Platecarpus simus (Marsh).

Hay, O. P. 1902 A, 470 (Lestosaurus).
Frassetto, F. 1915 A, 7, fig. 3.
Koken, E. 1893 B, 431 (Lestosaurus).

Williston, S. W. 1902 E, 253 (Lestosaurus. Syn. of P. ictericus).
Zittel and Broili 1911 A, 215, fig. 353.
1923 A, 263, fig. 369.
Upper Cretaceous (Niobrara); Kansas.

Platecarpus tectulus Cope.

Hay, O. P. 1902 A, 471 (Lestosaurus).
Loomis, F. B. 1915 A, 557.
Upper Cretaceous (Pierre); Kansas, Wyoming?.

Platecarpus tympaniticus Cope.

Hay, O. P. 1902 A, 469.
Upper Cretaceous (Tombigbee sand?); Mississippi.

Platecarpus sp. indet.

Broom, R. 1913 C, 508, figs. 1, 2.
Williston, S. W. 1902 E, 252, pl. xiii. Upper Cretaceous (Niobrara); North Dakota.

HOLCODUS Gibbes. Type *H. acutidens* Gibbes.

Hay, O. P. 1902 A, 469.

Holcodus acutidens Gibbes.

Hay, O. P. 1902 A, 469.
Upper Cretaceous; Alabama, Mississippi?, South Carolina?

ANCYLOCENTRUM Schmidt. Type *Brachysaurus overtoni* Williston.

Schmidt, K. P. 1927 A, 59.
Hay, O. P. 1902 A, 471 (Brachysaurus).
Dames, W. 1899 D, 552 (Brachysaurus).
Matthew, W. D. 1915 J, 153 (Brachiosaurus).
Williston, S. W. 1897 D, 95 (Brachysaurus, preoccupied).
1925 B, 273 (Brachysaurus).
Zittel and Brolli 1911 A, 217 (Brachycaurus).
1923 A, 265 (Brachysaurus).
Zittel, Eastman, etc. 1902 A, 159 (Brachysaurus).

Ancylocentrum overtoni (Williston).

Hay, O. P. 1902 A, 471 (Brachysaurus).
Osburn, R. C. 1906 A, pl. viii, fig. 24 (Brachysaurus).
Rogers, A. F. 1924 A, 545 (Brachysaurus).
Schmidt, K. P. 1927 A, 59 (Ancylocentrum)
Upper Cretaceous (Pierre); Kansas.

HOLOSAURUS Marsh. Type *H. abruptus* Marsh.

Hay, O. P. 1902 A, 471.
Dollo, L. 1889 K, 276, 283, 288, 298.
Williston, S. W. 1902 E, 247, 248.
1908 H, 163.
1910 E, 537 (Platecarpus).
Zittel and Broili 1911 A, 217.
1923 A, 264.
Zittel, Eastman, etc. 1902 A, 158.

Holosaurus abruptus Marsh.

Hay, O. P. 1902 A, 471.
Abel, O. 1912 F, 161, figs. 105, 106 (Platecarpus).
1919 A, 678, fig. 530 (Platecarpus).
1922 C, 311, figs. 263, 264 (Platecarpus).
Capps, S. R. 1907 A, 350, figs. 1-3.
Huene, F. 1911 B, 50 (Platecarpus).
Williston, S. W. 1904 A, 50.
1910 E, 537, fig. 1 (Platecarpus).
1914 A, 151, fig. 69 ("Platecarpus").
Upper Cretaceous (Niobrara); Kansas.

MOSASAURINÆ Williston.

Hay, O. P. 1902 A, 464.
Case, E. C. 1898 C, 720.
Dames, W. 1899 D, 552.
Dollo, L. 1924 A, 198.
Sauvage, H. E. 1901 B, 11.
Zittel, Eastman, etc. 1902 A, 159.

MOSASAURUS Conybeare. Type *M. belgicus* Holland.

Hay, O. P. 1902 A, 464.
Abel, O. 1907 A, 227.
1909 F, 467.
1912 F, 128, 159, 427, 461, 686, fig. 70.
1914 B, 20, fig. 3.
1914 C, 371, fig. 8.
1919 A, 672, 675.
1922 C, 309, 315, fig. 261.
Boule, M. 1891 A, 10.
Boulenger, G. A. 1891 D, 114.
Bronn, H. G. 1848 A, 745.
1849 A, 693.
Broom, R. 1921 A, 155, fig. 26.
Camp, C. L. 1923 A, 322.
Camper, A. 1812 A, 215, pls. i-iii ("sauroïdes de Maestricht").
Cope, E. D. 1880 U, 147.
Cuvier, G. 1825 A, v, pt. 2, 310 ("saurien").
Dames, W. 1883 C, 270.
1899 D, 552, 553.
Dollo, L. 1889 K, 276, 282, 288, 294.
1904 A, 212.
1905 A, 129.
1913 B, 615.
1919 A, 16, fig.
1924 A, 179, 184.
Fraas, E. 1905 B, 373.
Gadow, H. 1901 B, 489.

Gervais, P. 1852 A, 261.
1859 A, 461.
Giebel, C. G. 1855 A, 92.
Heilprin, A. 1887 A, 169.
Hoernes, R. 1886 A, 609.
Hoffmann, C. K. 1890 B, 1311, 1320.
Holland, W. J. 1908 C, 162, figs. 1-4.
Koken, E. 1893 B, 430.
1901 B, 221.
Lee, Stone, Gale 1915 A, 20.
Lucas, F. A. 1902 B, 201.
Lydekker, R. 1912 C, 102, 106.
1914 A, 643.
Mantell, G. A. 1844 A, 754.
Newberry, J. S. 1878 C, 648.
Osborn, H. F. 1917 B, 209.
Owen, R. 1845 B, 258, pl. lxviii, figs. 1, 2.
1868 A, 894.
Perrier, E. 1920 A, 326.
Pompeckj, J. F. 1910 A, 128.
Pütter, A. 1923 A, 221.
Reynolds, S. H. 1897 A, 204.
Sauvage, H. E. 1901 B, 9, 10.
Schlesinger, G. 1909 A, (141, 142).
Seitz, A. L. L. 1907 A, 330.
Serres, M. 1852 A, 114.
Sternberg, C. H. 1917 A, 164 ("mosasaur").
Tornier, G. 1913 B, 346, figs. 17, 19.
Williston, S. W. 1902 F, 263.
1904 A, 43.
1906 A, 2.
1909 A, 398 ("mosasaurs"); 399.
1925 B, 272.
Woodward, A. S. 1922 C, 4, fig. 1.
Zittel and Broili 1911 A, 215.
1923 A, 261, 264, figs. 365, 370, 372.
Zittel, Eastman, etc. 1902 A, 159.

Mosasaurus brumbyi (Gibbes).

Hay, O. P. 1902 A, 465.
Upper Cretaceous; Alabama.

Mosasaurus carolinensis Gibbes.

Hay, O. P. 1902 A, 465.
Upper Cretaceous (Black Creek?); South Carolina.

Mosasaurus copeanus Marsh.

Hay, O. P. 1902 A, 465.
Upper Cretaceous (Navesink?); New Jersey.

Mosasaurus couperi Gibbes.

Hay, O. P. 1902 A, 465.
Upper Cretaceous (Tuscaloosa, Eutaw, or Ripley); Georgia.

Mosasaurus crassidens Marsh.

Hay, O. P. 1902 A, 465.
Upper Cretaceous; North Carolina.

Mosasaurus dekayi Bronn.

Hay, O. P. 1902 A, 465.
Ballou, W. H. 1897 A, 23.
Emmons, E. 1858 B, 217, figs. 36-*a*, 37 (Mososaurus maximiliani).
Upper Cretaceous (Navesink); New Jersey; North Carolina?, South Carolina?.

Mosasaurus depressus Cope.

Hay, O. P. 1902 A, 465.
Upper Cretaceous (Navesink); New Jersey.

Mosasaurus fulciatus Cope.

Hay, O. P. 1902 A, 465.
Upper Cretaceous (Navesink?); New Jersey.

Mosasaurus horridus Williston.

Hay, O. P. 1902 A, 466.
Beard, J. C. 1901 B, 267, fig.
Osburn, R. C. 1906 A, pl. viii, fig. 27.
Pompeckj, J. F. 1910 A, 137.
Upper Cretaceous (Niobrara); Kansas.

Mosasaurus maximus Cope.

Hay, O. P. 1902 A, 466.
Sauvage, H. E. 1901 G, 78.
Upper Cretaceous (Navesink?); New Jersey.

Mosasaurus miersii Marsh.

Hay, O. P. 1902 A, 466.
Upper Cretaceous (Navesink?); New Jersey.

Mosasaurus minor Gibbes.

Hay, O. P. 1902 A, 466.
Upper Cretaceous; Alabama.

Mosasaurus missouriensis (Harlan).

Hay, O. P. 1902 A, 466.
Dames, W. 1883 C, 271 (M. maximiliani).
Hayden, F. V. 1857, Proc. Acad. Nat. Sci. Phila., 117, 119.
1871 A, 87.
Williston, S. W. 1914 A, 151 (Ichthyosaurus).
Upper Cretaceous (Pierre); North Dakota.

Mosasaurus oarthrus Cope.

Hay, O. P. 1902 A, 466.
Upper Cretaceous (Navesink?); New Jersey.

Mosasaurus princeps Marsh.

Hay, O. P. 1902 A, 466.
Upper Cretaceous (Navesink?); New Jersey.

Mosasaurus? sp. indet.

Hay, O. P. 1902 A, 466.
Gilmore, C. W. 1912 D, 2. Upper Cretaceous (Fox Hills?); Montana.
Leonard, A. G. 1912 A, 2. Upper Cretaceous (Fox Hills); Montana.
Merrill, G. P. 1907 A, 74. Upper Cretaceous; Alabama.

CLIDASTES Cope. Type *C. iguanavus* Cope.

Hay, O. P. 1902 A, 466.
Abel, O. 1912 F, 122, 160, fig. 65.
1919 A, 675.
1922 C, 308.
Boulenger, G. A. 1891 D, 118, fig. 6 (Edestosaurus).
Camp, C. L. 1923 A, 322.
Case, E. C. 1898 C, 720.

Dames, W. 1899 D, 553.
Dollo, L. 1889 K, 276, 281, 288, 297 (Clidastes); 282, 288, 297 (Edestosaurus).
1909 A, 106.
1924 A, 206.
Gadow, H. 1901 B, 490.
Gaudry, A. 1896 A, 95.
Heilmann, G. 1926 A, 55.
Heilprin, A. 1887 A, 169.
Hoernes, R. 1886 A, 609.
Hoffmann, C. K. 1890 B, 1321 (Edestosaurus); 1322 (Clidastes).
Kingsley, J. S. 1925 A, 157, fig. 167.
Lull, R. S. 1917 B, 332, fig. 69.
1919 A, 223.
Moodie, R. L. 1923 B, 184, fig. 16.
1926 A, 68, 86, 94, pl. xiii; text-fig. 7.
Nopcsa, F. 1903 C, 38, pl. v, fig. 4; pl. vi, fig. 2.
1923 G, 111.
1923 H, 75, 163.
Osborn, H. F. 1917 B, 210.
1918 D, 683.
1919 A, 71.
Perrier, E. 1920 A, 327.
Pompeckj, J. F. 1910 A, 128.
Steinmann, G. 1907 A, 443, fig. 777.
1908 A, 239, figs. 142, 144.
1909 A, 84, fig. 16.
Sternberg, C. H. 1899 C, 259.
1905 A, 126.
1917 A, 21.
Tornier, G. 1913 B, 346, figs. 17, 18, 24.
Williston, S. W. 1893 D, 110.
1907 A, 484.
1908 H, 163.
1911 B, 45.
1914 A, 147, 166, figs. 68, 71, 72, 74.
1925 A, 67, 71, 112, 180, 193, 199, figs. 54, 58, 86, 146, 158.
1925 B, 272.
Wiman, C. 1920 A, 12.
Zittel and Broili 1911 A, 216.
1923 A, 264.
Zittel, Eastman, etc. 1902 A, 159.

Clidastes cinerearum Cope.

Hay, O. P. 1902 A, 466.
Williston, S. W. 1902 E, 250 (C. cinerianus).
Upper Cretaceous (Niobrara); Kansas.

Clidastes conodon Cope.

Hay, O. P. 1902 A, 467.
Upper Cretaceous (Tinton sand?); New Jersey.

Clidastes dispar (Marsh).

Hay, O. P. 1902 A, 467.
Anthony, R. 1913 A, 255, fig. 6 (Edestosaurus).
Frassetto, F. 1915 A, 7, fig. 2.
Juhn, M. 1923 A, 71.
Sauvage, H. E. 1902 B, 12 (Tylosaurus).
Williston, S. W. 1902 E, 250 (Clidastes); 253 (Edestosaurus).
Upper Cretaceous (Niobrara); Kansas.

Clidastes iguanavus Cope.

Hay, O. P. 1902 A, 467.
Ruschenberger and Tryon 1879 A, 93.
Upper Cretaceous (Matawan or Monmouth?); New Jersey.

Clidastes intermedius Leidy.

Hay, O. P. 1902 A, 467.
Upper Cretaceous (Selma?); Alabama.

Clidastes liodontus Merriam.

Hay, O. P. 1902 A, 467.
Williston, S. W. 1902 E, 250.
Upper Cretaceous (Niobrara?); Kansas.

Clidastes propython Cope.

Hay, O. P. 1902 A, 467.
Cope, E. D. 1891 N, 50, fig. 26.
Fuchs, H. 1908 C, 213.
Zittel, Eastman, etc. 1902 A, 159, figs. 243, 251.
Upper Cretaceous (Selma?); Alabama.

Clidastes pumilis Marsh.

Hay, O. P. 1902 A, 467.
Abel, O. 1912 F, 162, fig. 107.
1919 A, 676, fig. 529.
1922 C, 310, fig. 262.
Rogers, A. F. 1924 A, 545 (C. pumilus).
Sternberg, C. H. 1881 B, 3.
Upper Cretaceous (Niobrara); Kansas.

Clidastes stenops Cope.

Hay, O. P. 1902 A, 467.
Fejérváry, G. J. 1918 A, 437, fig. 26.
Williston, S. W. 1902 E, 248, pl. xii, fig. 2.
Zittel and Broili 1911 A, 214, fig. 351.
1923 A, 262, fig. 367.
Upper Cretaceous (Niobrara); Kansas.

Clidastes sternbergii Wiman.

Wiman, C. 1920 A, 13, pl. iii; pl. iv, fig. 5; text-figs. 4-9.
Abel, O. 1922 C, 315, fig. 270.
Upper Cretaceous (Niobrara); Kansas.

Clidastes tortor Cope.

Hay, O. P. 1902 A, 467 (C. tortor, C. rex).
Holland, W. J. 1908 C, 162, 166, fig. 5.
Pompeckj, J. F. 1910 A, 137.
Seitz, A. L. L. 1907 A, 337 (Platecarpus).
Sternberg, C. H. 1909 C, 44, figs. 6, 7.
Williston, S. W. 1902 E, 250, 253 (C. rex a syn. of C. tortor).
1903 A, 30, text-fig. 4.
Upper Cretaceous (Niobrara); Kansas.

Clidastes velox (Marsh).

Hay, O. P. 1902 A, 468.
Abel, O. 1908 E, 406.
Camp, C. L. 1923 A, 413.
Gaudry, A. 1896 A, 96, figs. 74, 75.
Merriam, J. C. 1908 C, 44, fig. 51.
Merrill, G. P. 1907 A, 66 (C. affinis).
Osburn, R. C. 1906 A, 453, pl. viii, fig. 26.
Pompeckj, J. F. 1910 A, 137.
Rogers, A. F. 1924 A, 545.
Seitz, A. L. L. 1907 A, 339.

Sternberg, C. H. 1909 C, 51, fig. 11.
Williston, S. W. 1902 E, 249, 250 (Clidastes); 253 (Edestosaurus).
Wiman, C. 1920 A, pl. iv, fig. 8.
Zittel and Broili 1911 A, 215, fig. 352.
1923 A, 260, 262, figs. 363, 368.
Upper Cretaceous (Niobrara); Kansas.

Clidastes westii Williston and Case.

Hay, O. P. 1902 A, 468.
Camp, C. L. 1923 A, 413, fig. 22.
Pompeckj, J. F. 1910 A, 137.
Sternberg, C. H. 1909 C, 135.
Upper Cretaceous (Pierre); Kansas.

Clidastes wymani Marsh.

Hay, O. P. 1902 A, 468.
Williston, S. W. 1902 E, 250 (Edestosaurus. Syn. of C. velox).
Upper Cretaceous (Niobrara); Kansas.

Clidastes sp. indet.

Hill, R. T. 1901 A, 328. Upper Cretaceous (Eagle Ford); Texas.
Sternberg, C. H. 1907 C, 122. Upper Cretaceous (Niobrara); Kansas.
1915 A, 132. Upper Cretaceous (Bear Paw); Montana.

NECTOPORTHEUS Cope. Type *N. validus* Cope.

Cope, E. D. 1868 H, 181.
Hay, O. P. 1902 A, 467 (Clidastes?).

Nectoportheus validus Cope.

Hay, O. P. 1902 A, 467 (Clidastes?).
Upper Cretaceous (Navesink?); New Jersey.

SIRONECTES Cope. Type *S. anguliferus* Cope.

Hay, O. P. 1902 A, 468.
Dames, W. 1899 D, 553.
Dollo, L. 1889 K, 276, 283, 288, 298.
Williston, S. W. 1925 B, 273.

Sironectes anguliferus Cope.

Hay, O. P. 1902 A, 468.
Upper Cretaceous (Niobrara); Kansas.

BAPTOSAURUS Marsh. Type *Halisaurus platyspondylus* Marsh.

Hay, O. P. 1902 A, 468.
Dames, W. 1899 D, 553 (Raptosaurus).
Dollo, L. 1889 K, 275, 283, 288, 297.
1924 A, 211.
Williston, S. W. 1925 B, 273.

Baptosaurus fraternus Marsh.

Hay, O. P. 1902 A, 468.
Upper Cretaceous (Navesink); New Jersey.

Baptosaurus onchognathus Merriam.

Hay, O. P. 1902 A, 468.
Upper Cretaceous (Niobrara); Kansas.

Baptosaurus platyspondylus Marsh.

Hay, O. P. 1902 A, 468.
Upper Cretaceous (Navesink); New Jersey.

DIPLOTOMODON Leidy. Type *D. horrificus* Leidy.

Hay, O. P. 1902 A, 473.
Huene, F. 1909 B, 16.
Jordan, D. S. 1923 A, 98.
A genus regarded by Woodward as belonging among the fishes.

Diplotomodon horrificus Leidy.

Hay, O. P. 1902 A, 473.
Woodward, A. S. 1901 A, 612.
Cretaceous (Mullica Hill); New Jersey.

ELLIPTONODON Emmons. Type *E. compressus* Emmons.

Hay, O. P. 1902 A, 473.

Elliptonodon compressus Emmons.

Hay, O. P. 1902 A, 473.
Gilmore, C. W. 1926 L, 191.
Upper Cretaceous (Peedee); North Carolina.

POLYGONODON Leidy. Type *P. vetus* Leidy.

Hay, O. P. 1902 A, 473.
This genus may not belong to this order. It may belong among the fishes.

Polygonodon rectus Emmons.

Hay, O. P. 1902 A, 473.
Upper Cretaceous (Black Creek); North Carolina.

Polygonodon vetus Leidy.

Hay, O. P. 1902 A, 473.
Upper Cretaceous (Greensand); New Jersey.

GLOBIDENTIDÆ, new form.

Dollo, L. 1924 A, 188, 199 (Globidensidæ).
Gilmore, C. W. 1927 H, 452 (Globidensidæ).
Williston, S. W. 1925 B, 273 (Globidensidæ).

GLOBIDENS Gilmore. Type *G. alabamaënsis* Gilmore.

Gilmore, C. W. 1912 A, 479.
Abel, O. 1919 A, 672, fig. 527.
1922 C, 309, 312, fig. 266.
1928 A, 369.
Camp, C. L. 1923 A, 323.
Dollo, L. 1913 B, 610.
1919 A, 18.
1924 A, 168.
Huene, F. 1912 G, 137 (Globideus).
Lydekker, R. 1914 A, 642.
Moodie, R. L. 1913 A, 188.
Nopcsa, F. 1923 H, 76.
Williston, S. W. 1925 B, 259, 273.
Zittel and Broili 1923 A, 264.

Globidens alabamaënsis Gilmore.

Gilmore, C. W. 1912 A, 479, pls. xxxix, xl; text-figs. 1-3.
Dollo, L. 1913 B, 614, pl. xxv, fig. 4.
1924 A, 168, 170, 176, 199, pl. v, figs. 1, 5.
Gilmore, C. W. 1921 B, 280.
1927 H, 452.
Williston, S. W. 1914 A, 167, fig. 80 (G. alabamensis).
Upper Cretaceous (Selma?); Alabama.

MOSASAURIAN OF UNDETERMINED GENUS AND SPECIES

Gilmore, C. W. 1926 L, 191, pl. lxii, figs. 5, 8; pls. lxxi, lxxii. Upper Cretaceous (Ripley); Tennessee.

Order SERPENTES Linnæus.

Unless otherwise indicated the authors quoted employ for this order the name Ophidia.

Linnæus, C. 1758 A, 194, 214 (Serpentes).
Hay, O. P. 1902 A, 478 (Serpentes).
Abel, O. 1909 F, 467 ("schlangen").
1912 F, 415.
1920 A, 400.
Agassiz, L. 1844 D, 137 ("ophidians").
Ahlborn, F. 1896 B, 8 ("schlangen").
Allis, E. P. 1919 D, 213.
Anthony, R. 1912 A ("ophidiens").
Arldt, T. 1833 B, 1185.
1907 C, 677 ("schlangen").
1907 D, 669.
Arthaber, G. 1910 A, 554 ("schlangen").
Baird and Girard 1853 A, 1-172 ("serpents").
Baraldi, G. 1877 A, 8 ("serpents").
Bardeleben, K. 1901 A ("schlangen").
1896 A, 114 ("schlangen").
Beddard, F. E. 1904 C, 233.
Beer, G. R. 1926 A, 312, 330.
Beyer, H. 1907 A, 281 ("ophidier").
Blainville, H. M. D. 1835 A, 260.
Blanchard, E. 1861 A, 380 ("serpents").
Bluntschli, H. 1912 B, 383 ("schlangen").
Boas, J. E. V. 1914 B, 560 ("schlangen").
Bonaparte, C. L. 1832 A, 316 (Serpentes).
1833 B, 1185 (Ophidii).
Boulenger, G. A. 1891 D, 117.
1893 B, 205.
1917 A, 92 ("serpents").
Brandt, J. F. 1865 A, 19 ("schlangen").
Brauns, D. 1890 A, 147, 149, 202 ("schlangen," "ophidier").
Bronn, H. G. 1849 A, 780, seq. (Ophidii).
Broom, R. 1896 A, 480.
1901 A, 188.
1902 D, 554.
1903 I, 546.
1908 E, 114 ("snakes").
1911 A, 922 ("snakes").
1917 A, 977.
1924 B, 64, fig. 13.
Brown, A. E. 1904 A, 469.
Brown, B. 1908 A, 207 (Serpentes).
Camp, C. L. 1923 A, 301, 333, 418 (Serpentes).
Carlsson, A. 1886 A, 1-38, pls. i-iii ("schlangen").
Cartier, O. 1874 A, 192 ("schlangen").
Carus, V. 1875 A, 414.
Carus and Engelmann 1861 A, 1081-1086, 1562, 1674, 1781.
Case, E. C. 1898 C, 731.
Chaine, J. 1918 A, 734 ("serpents").
Chapman, H. C. 1894 A, 42 ("snakes").
Cleland, J. 1863 B, 309 ("serpents").
Cope, E. D. 1891 N, 45.
Cuvier, G. 1803 A, 168 ("ophidiens").
1805 A ("ophidiens").
Dana, J. D. 1863 C, 343 ("snakes").
Dendy, A. 1907 A, 292.
Döderlein, L. 1900 A, 335.
1902 A, 433 ("schlangen").
Dollo, L. 1883 G, 590.
1893 D, 15 ("ophidiens").
1903 B, 138 ("ophidiens").
1904 B, 218.
1923 A, 80 ("ophidiens").
1924 A, 211 ("ophidiens").
Dombrowski, B. A. 1925 A, 76 ("schlangen").
Duerden, J. E. 1924 A, 563 ("snakes").
Duncan, P. M. 1878 A, 752.
Ebner, V. 1889 A, 196 ("schlangen").
Edgeworth, F. H. 1907 A, 517.
Eichwald, E. 1832 A, 869 ("schlangen").
Eimer, G. H. T. 1901 A, 261 ("schlangen").
Fejérváry, G. J. 1918 A, 439.
Fleischmann, A. 1910 A, 685, 698.
Fraas, E. 1905 B, 372.
Fuchs, H. 1908 C, 191.
1909 B, 131, 149.
1911 B, 394 ("schlangen").
1911 C, 39 ("schlangen").
1913 A, 62 ("schlangen").
1914 A, 31 ("schlangen").
Fürbringer, M. 1904 A ("ophidier").
Gadow, H. 1901 A, 410 ("snakes").
1901 B, 581.

Gadow, H. 1902 B, 353.
1905 A, 222.
1912 B, 216 ("snakes").
1913 A, 102 ("snakes").
Gaupp, E. 1891 B, 108 ("ophidier").
1895 A, 57 ("schlangen").
1899 A, 1092.
1902 A, 215 ("schlangen").
1905 D, 1023 ("ophidier").
1906 A, 43 ("schlangen").
1906 B, 791 ("schlangen").
1908 B, 518 ("schlangen").
1908 C ("schlangen").
1910 A, 540 ("schlangen").
1911 A, 433 ("schlangen").
1911 B, 110.
1911 C, 444 ("schlangen"); 451 (Ophidia).
1913 A, 56.
Gervais, P. 1852 A, 255 ("ophidiens").
1859 A, 452 ("ophidiens").
Giebel, C. G. 1855 A, 96.
Goodsir, J. 1857 A (Serpentes).
Gray, J. E. 1825 A, 204 (Ophidii).
1837 D, 135 ("ophidians").
Greene, J. R. 1861 A, 225.
Gregory and Adams 1915 A, 763 ("snakes").
Gregory and Noble 1924 A, 437 ("snakes").
Haeckel, E. 1868 A, 453, 455.
1873 A, 512, 531.
Hasse and Schwarck 1870 A, 51 ("schlangen").
Hatschek, B. 1889 B, 118 ("schlangen").
Hayek, H. 1924 A, 147 ("schlangen").
Heilmann, G. 1914 A, 75.
1926 A, 94.
Heilprin, A. 1887 A, 320.
Henshaw, H. W. 1912 A, 318 ("snakes").
Hoernes, R. 1886 A, 610.
Hollard, H. 1864 A, 13 ("ophidiens").
Hommes, J. H. 1924 A, 36 (Ophidii).
Howes and Swinnerton 1901 A, 55.
Huene, F. 1914 G, pl. vii.
Huxley, T. H. 1859 D, 401, 447.
1863 F, 477, 529, figs. 45, 48.
1876 F, 173.
Jackel, O. 1905 B, 81.
1910 C, 336 (Ophidii).
1911 A, 155.
Janensch, W. 1906 A, 26 ("schlangen").
Kerbert, C. 1876 A, 206 ("ophidier").
Kesteven, H. L. 1918 A, 449 ("ophidians").
Kingsley, J. S. 1902 B, 328.
1912 B, 94.
1925 A, 43, 44, 158.
Klaauw, C. J. 1924 B, 595.
Klein, E. E. 1868 A ("ophidier").
Köstlin, O. 1844 A ("schlangen").
Koken, E. 1898 A, 141.
Laaser, P. 1903 A, 575 ("schlangen").
Lavocat, A. 1884 A, 1126 ("serpents").
1885 A, 29, 36 ("ophidiens").
1889 A, 44 ("ophidiens").
Lebedinsky, N. G. 1913 A, 767 ("ophidier").
Leunis and Ludwig 1883 A, 572.
Leydig, F. 1873 A, 753 ("ophidier").
1873 B, 1, pl. i ("schlangen").
Lobley, J. L. 1908 A, 198.
Lydekker, R. 1912 C, 3, 4, 42, 48, 111, 144.
Mantell, G. A. 1844 A, 780 ("serpents").
Matthew, W. D. 1921 D, 214.
Mayer, C. 1824 A, 819 ("ophidier").
Meckel, J. F. 1825 A ("ophidier").
Menmuir, W. H. 1902 A, 274 ("serpents").
Mivart, St. G. 1871 B, 380 ("serpents").
Müller, J. 1832 A, 507 (Ophidii).
1841 C, 329 ("schlangen").
Nitzsch, C. L. 1822 A, 83 ("schlangen").
Nopcsa, F. 1922 A, 115 ("ophidier").
1923 G, 142 ("schlangen").
1923 H, 1, 2, 4, 72, 124.
1925 A, 5 ("schlangen").
1925 C, 164 ("schlangen").
1928 A, 178.
Oken, L. 1819 A, 1529 ("schlangen").
Osborn, H. F. 1903 D, 456.
1904 H, 114.
1905 C, 295.
1905 N, 239 ("snakes").
1917 B, 193, 201, 231.
1925 F, 962.
Owen, R. 1842 F, 77.
1845 B, 219.
1848 B ("ophidians").
1868 A, 896.
Palacký, J. 1894 A, 129 ("schlangen").
1898 A, 88 ("ophidiens").
1902 B, 141, 147 ("schlangen").
Parker, W. K. 1864 B, 56.
1878 C, 214 ("snake").
1879 C, 342 ("snake").
1888 C, 397 ("serpents").
1888 D, 470.
Parker and Haswell 1897 A, 312.
Perna, G. 1906 A, 135 ("ophidier").
Peters, W. 1867 A, 725 ("schlangen").
1868 B, 388 ("snakes").
1869 A, 6 ("schlangen").
Peyer, B. 1912 A, 563 ("schlangen").
Phisalix, M. 1912 A, 161 ("serpents").
1914 A, 1 ("serpents").
Pinkus, F. 1904 A, 156.
Reichert, K. B. 1849 A, 468 ("schlangen").
Reynolds, S. H. 1897 A, 202, 273, 283, 548.
Röse, C. 1892 G, 133 ("schlangen").
Sarkar, S. C. 1923 A, 296.
Schöne, G. 1902 A, 27 ("ophidier"); 8 ("schlangen").
Scott, W. B. 1917 A, 182 ("snakes").
Seeley, H. G. 1865 B, 147.
1866 B, 352.
1872 B, 27 ("ophidians").
1876 C, 174, 194 ("serpents").
1882 A, 366.
Serres, M. 1852 A, 144 ("ophidiens").
Seydel, O. 1899 A ("ophidier").
Sixta, V. 1900 B, 337 ("schlangen").
Stannius, H. 1856 A, 5 seq.
Stehli, G. 1910 A, 763 ("ophiden").
Steinmann, G. 1907 A, 437.
1908 A, 213 ("schlangen").
1912 B, 731 (Serpentes).
Stejneger, L. 1904 A, 925 (Serpentes).
1907 A, 254.
Stejneger and Barbour 1917 A, 72 (Serpentes).
Strecker, C. 1887 A, 307 ("ophidier").
Stromer, E. 1912 A, 76.
Taschenberg, O. 1894 A, 3580.

Terra, P. 1911 A, 142, 228.
Thäter, K. 1910 A, 471 ("schlangen").
Thyng, F. W. 1906 A, 58.
Tomes, C. S. 1875 B, 95.
1876 B, 377.
Tornier, G. 1913 A, 334.
1913 B, 344, 374.
Versluys, J. 1910 B, 178 ("schlangen").
1912 A, 491 ("schlangen").
1912 B, 638, 687.
Virchow, H. 1914 A, 79 ("schlangen").
1914 C, 132 ("schlangen").
Vitali, G. 1909 A, 212 ("ofidi").
Wagner, R. 1843 A, 146.
Wallace, A. R. 1876 A, II, 372, 386, 387.
Wallisch, W. 1922 A, 537, figs. 6-8 ("schlangen").
Werner, F. 1904 A, 337 ("schlangen").
West, G. S. 1895 A, 812 ("snakes").
1898 A, 520.
Williston, S. W. 1902 G, 315 ("snakes").
1904 A, 47, 48.
1914 A, 17, 45, 139, 168 (Serpentes, Ophidia).
1925 A, *passim*.
1925 B, 212, 275.
Woodward, A. S. 1898 B, 195.
Woodward, H. 1904 B, 145 ("snakes").
Ziegler, H. E. 1901 A, 231 ("schlangen").
Zittel and Broili 1911 A, 218.
1923 A, 266.
Zittel, Eastman, etc. 1902 A, 163.

PALÆOPHIDÆ Lydekker.

Hay, O. P. 1902 A, 478.
Abel, O. 1919 A, 682.
Janensch, W. 1906 B, 341, 345.
Nopcsa, F. 1923 G, 142 ("paläophiden").
1923 H, 124 (Palæophinæ).
1925 A, 6, 22.
1928 A, 178 (Palæophinæ).

PALÆOPHIS Owen. Type *P. toliapicus* Owen.

Hay, O. P. 1902 A, 479.
Arldt, T. 1907 D, 274.
Cope, E. D. 1891 N, 51.
Hoffmann, C. K. 1890 C, 1812.
Janensch, W. 1906 B, 332, 339, 341.
Leriche, M. 1926 A, 13, pls. i, ii.
Miller, H. 1857 A, 110, fig. 66.
Nopcsa, F. 1923 G, 122, 127.
1925 A, 22.
1925 C, 164.
1928 A, 178.
Owen, R. 1857 G, 196, pl. iv, fig. 1.
Seeley, H. 1865 B, 147.
Stefano, G. 1905 A, 61 (Dinophis).
Wieland, G. R. 1925 B, 559 (Paleophus).
Williston, S. W. 1925 B, 276 (Paleophis).
Zittel and Broili 1911 A, 220 (Titanophis).
1923 A, 268.

Palæophis grandis (Marsh).

Hay, O. P. 1902 A, 479.
Hoffmann, C. K. 1890 C, 1813.
Janensch, W. 1906 B, 337 (Dinophis); 343 (Palæophis).
Eocene (Shark River); New Jersey.

Palæophis halidanus Cope.

Hay, O. P. 1902 A, 479.
Cook and Stephenson 1928 A, 143.
Cope, E. D. 1891 N, 52, fig. 28*b*.
Hoffmann, C. K. 1890 C, 1812.
Janensch, W. 1906 B, 337, 343.
Eocene (Shark River); New Jersey.

Palæophis littoralis Cope.

Hay, O. P. 1902 A, 479.
Cope, E. D. 1891 N, 52, fig. 28*a*.
Janensch, W. 1906 B, 337, 339, 343.
Eocene (Shark River); New Jersey.

PTEROSPHENUS Lucas. Type *P. schucherti* Lucas.

Hay, O. P. 1902 A, 479.
Abel, O. 1919 A, 683, fig. 534.
Andrews, C. W. 1906 A, xxv, 309.
1907 C, 305.
Janensch, W. 1906 B, 307, 339.
Nopcsa, F. 1923 G, 122, 127.
1923 H, 78, pl. ii, fig. 6.
1925 A, 22.
1928 A, 178.
Osborn, H. F. 1907 K, 828.
Scharff, R. F. 1911 A, 278.
Stromer, E. 1906 A, 208.
1908 B, 148.
Williston, S. W. 1925 B, 276.
Zittel and Broili 1911 A, 220.
1923 A, 268.

Pterosphenus schucherti Lucas.

Hay, O. P. 1902 A, 479.
Andrews, C. W. 1906 A, xxv.
Cook and Stephenson 1928 A, 143.
Janensch, W. 1906 B, 330, pl. xxvi, fig. 5.
Merrill, G. P. 1907 A, 76.
Sauvage, H. E. 1899 C, 150.
Eocene (Jackson); Alabama.

BOIDÆ Bonaparte.

Bonaparte, C. L. 1831 A, 67.
Hay, O. P. 1902 A, 479.
Abel, O. 1912 F, 415.
Andrews, C. W. 1906 A, 306.
Arldt, T. 1907 C, 677 (Boinæ).
1907 D, 641 (Boinæ).
Beddard, F. E. 1904 C, 233.
1905 A, 630.
Beyer, H. 1907 A, 283, fig. 6 (Python).
Blainville, H. M. D. 1835 A, 263 ("boas").
Bonaparte, C. L. 1832 A, 316 (Boina).
Carlsson, A. 1886 A, 4 (Boa).

Carus, V. 1875 A, 422 (Boa).
Cope, E. D. 1891 N, 51.
Cuvier, G. 1805 A ("boas").
Gadow, H. 1901 B, 596.
1905 A, 222.
Gray, J. E. 1837 D, 135.
Hase, A. 1913 A, 150, fig. 75.
Leunis and Ludwig 1883 A, 585.
Lydekker, R. 1906 A, 473, fig. 2.
1912 C, 42, 111, 144 (Pythonidæ).
Mayer, C. 1824 C, 823, pls. lxvi, lxvii (Boa).
Meckel, J. F. 1825 A (Boa).
Nopcsa, F. 1923 G, 124, 148 ("boiden")
1923 H, 113 ("boiden").
1928 A, 178 (Pythoninæ).
Owen, R. 1845 B, 221 ("boas").
1857 G, 196 (Boa).
Palacký, J. 1894 A, 131 ("boiden").
1898 A, 104 ("boides").
1902 B, 147 ("boiden").
Phisalix, M. 1912 A, 177, fig. 15.
1914 A, 86.
Scharff, R. F. 1911 A, 203.
Wieland, G. R. 1925 B, 558, 559 ("boids").
Williston, S. W. 1925 B, 276.

BOAVUS Marsh. Type *B. occidentalis* Marsh.

Hay, O. P. 1902 A, 479.
Nopcsa, F. 1928 A, 178.
Wieland, G. R. 1925 B, 559.
Williston, S. W. 1925 B, 276.

Boavus agilis Marsh.

Hay, O. P. 1902 A, 479.
Middle Eocene (Bridger); Wyoming.

Boavus brevis Marsh.

Hay, O. P. 1902 A, 479.
Middle Eocene (Bridger); Wyoming.

Boavus occidentalis Marsh.

Hay, O. P. 1902 A, 479.
Middle Eocene (Bridger); Wyoming.

LITHOPHIS Marsh. Type *L. sargenti* Marsh.

Hay, O. P. 1902 A, 479.
Nopcsa, F. 1928 A, 178.
Stefano, G. 1905 A, 61.

Lithophis sargenti Marsh.

Hay, O. P. 1902 A, 479.
Middle Eocene (Bridger); Wyoming.

LESTOPHIS Marsh. Type *L. crassus* Marsh.

Hay, O. P. 1902 A, 480.
Heilprin, A. 1887 A, 327 (Limnophis).
Schmidt, K. P. 1927 A, 58 (Paleoboa; type *Limnophis crassus* Marsh).
Wallace, A. R. 1876 A, II, 376 (Limnophis).
Williston, S. W. 1925 B, 276 (Lestophis, Limnophis).

Lestophis crassus Marsh.

Hay, O. P. 1902 A, 480.
Middle Eocene (Bridger); Wyoming.

APHELOPHIS Cope. Type *A. talpivorus* Cope.

Hay, O. P. 1902 A, 480.
Hoffman, C. K. 1890 C, 1813.
Seeley, H. G. 1886 A, 513.
Williston, S. W. 1925 B, 276.

Aphelophis talpivorus Cope.

Hay, O. P. 1902 A, 480.
Oligocene (White River); Colorado.

CALAMAGRAS Cope. Type *C. murivorus* Cope.

Hay, O. P. 1902 A, 480.
Nopcsa, F. 1928 A, 178.
Williston, S. W. 1925 B, 276.

Calamagras murivorus Cope.

Hay, O. P. 1902 A, 480.
Oligocene (White River); Colorado.

OGMOPHIS Cope. Type *O. angulatus* Cope.

Hay, O. P. 1902 A, 480.
Nopcsa, F. 1928 A, 178.
Williston, S. W. 1925 B, 276.

Ogmophis angulatus Cope.

Hay, O. P. 1902 A, 480.
Lambe, L. M. 1908 A, 21.
Oligocene (White River); Colorado.

Ogmophis arenarum Douglass.

Douglass, E. 1903 A, 153, 171.

Lambe, L. M. 1908 A, 21.
Miocene (Flint Creek); Montana.

Ogmophis compactus Lambe.

Lambe, L. M. 1908 A, 9, 20, pl. i, figs. 26-30.
Oligocene (Cypress Hills); Saskatchewan.

Ogmophis oregonensis Cope.

Hay, O. P. 1902 A, 480.
Merriam and Sinclair 1907 A, 187.
Upper Oligocene (John Day); Oregon.

COLUBRIDÆ Gray.

Gray, J. E. 1825 A, 207.
Hay, O. P. 1902 A, 480.
Arldt, T. 1907 C, 677.
1907 D, 647.
1912 A, 712, 756 (Colubrinæ).
Blainville, H. M. D. 1835 A, 265 ("couleuvres").
Bonaparte, C. L. 1831 A, 69.
1832 A, 317 (Colubrina).
1833 B, 1185.
Brown, A. E. 1904 A, 469.
Carus, V. 1875 A, 427.
Cope, E. D. 1900 A, 697, 731 (Colubridæ); 697, 732, 778 (Colubrinæ); 698, 733 (Xenodontinæ); 698, 732, 956 (Natricinæ); 732, 733 (Dromicinæ).
Dunn, E. R. 1924 B, 3 (Colubrinæ).
Gadow, H. 1901 B, 606 (Colubridæ); 607 (Colubrinæ).
1905 A, 223.
Hay, O. P. 1923 A, 312.
Hoffmann, C. K. 1890 C, 1865.
Leunis and Ludwig 1883 A, 589.
Lobley, J. L. 1908 A, 202, 208.
Lydekker, R. 1912 C, 43, 106, 144.
Nopcsa, F. 1923 G, 124, 149, 151 ("colubriden").
1923 H, 78, 124 (Colubrinæ).
Owen, R. 1866 A, 395.
Palacký, J. 1894 A, 130 ("colubriden").
1898 A, 91 ("colubrides").
Phisalix, M. 1912 A, 181.
1914 A, 14.
Sarkar, S. C. 1923 A, 295.
Scharff, R. F. 1911 A, 305.
Stejneger, L. 1907 C, 262 (Natricidæ).
Stejneger and Barbour 1917 A, 74.
Terra, P. 1911 A, 229.
Wallace, A. R. 1876 A, II, 375.
West, G. S. 1895 A, 813.
1898 A, 517.
Williston, S. W. 1925 B, 277.

FARANCIA Gray. Type *Coluber abacura* Holbrook.

Gray, J. E. 1842, Zool. Misc., 68.
Baird and Girard 1853 A, 123.
Boulenger, G. A. 290.
Cope, E. D. 1900 A, 740.
Stejneger and Barbour 1917 A, 75.

Farancia abacura (Holbrook).

Holbrook, J. E. 1836, N. Amer. Herpet. ed. 1, I, 119, pl. xxiii (Coluber).
Baird and Girard 1853 A, 123.
Boulenger, G. A. 1894 A, 291, fig. 20.
Cope, E. D. 1900 A, 741, fig. 154.
Hay, O. P. 1917 E, 44, 48.
1923 A, 382.
Holbrook, J. E. 1842, N. Amer. Herpet., ed. 2, III, 111, pl. xxvi (Helicops).
Stejneger and Barbour 1917 A, 75.
Recent; Gulf of Mexico north to southern Indiana and Virginia: Pleistocene; Florida.

COLUBER Linnæus. Type *C. constrictor* Linnæus.

Linnæus, C. 1858 A, 216.
Hay, O. P. 1902 A, 480 (Coluber, Bascanion).
Arldt, T. 1907 D, 274, 276.
Batelli, A. 1880 A, 355.
Boulenger, G. A. 1893 A, 379 (Zamenis).
Bronn, H. G. 1848 A, 320.
Cope, E. D. 1900 A, 787 (Zamenis).
Duméril and Bibron 1854, Erp. Gén., VII, 683 (Zamenis).
Gadow, H. 1901 B, 611 (Zamenis).
Heilprin, A. 1887 A, 323, 324 (Bascanium).
Hoffmann, C. K. 1890 C, 1865.
Kerbert, C. 1876 A, 206.
Leunis and Ludwig 1883 A, 592.
Leydig, F. 1873 A, 756.
1873 B, 3.
Mayer, C. 1824 C, 822, 835.
Owen, R. 1845 B, 224.
1857 G, 196, pl. iv, fig. 7.
Stejneger and Barbour 1917 A, 78.
Wagler, J. G. 1830, Syst. Amph., 188 (Zamenis; type *Z. gemonensis*).
Werner, F. 1904 A, 334.
Williston, S. W. 1925 B, 277 (Coluber, Bascanion).

Coluber acuminatus (Cope).

Hay, O. P. 1902 A, 480 (Bascanion).
Baker, F. C. 1920 A, 208, 213, 394 (Bascanion).
Hay, O. P. 1923 A, 312, 314.
Pleistocene (Port Kennedy); Pennsylvania.

Coluber constrictor Linnæus.

Linnæus, C. 1758 A, 216.
Baird and Girard 1853 A, 93 (Bascanion).
Cope, E. D. 1900 A, 791, fig. 171, with synonymy (Zamenis).
Peterson, O. A. 1926 A, 253 (This species?).
Recent; Eastern United States: Pleistocene?; Pennsylvania.

Coluber sp. indet.

Hay, O. P. 1902 A, 480. Pleistocene (Port Kennedy); Pennsylvania.
1923 A, 314. Pleistocene (Port Kennedy); Pennsylvania.

DRYMARCHON Fitzinger. Type *D. corais* Boie.

Fitzinger, L. J. 1843, Syst. Rept., 26.
Baird and Girard 1853 A, 92 (Georgia).
Boulenger, G. A. 1894 A, 18 (Phrynonax).
Cope, E. D. 1900 A, 857 (Compsosoma).
Duméril and Bibron 1854, Erpet. Gén., 248 (Spilotes); 290 (Compsosoma).
Stejneger and Barbour 1917 A, 84.

Drymarchon corais couperi (Holbrook).

Holbrook, J. E. 1842, N. Amer. Herp., ed. 2, III, 75, pl. xvi (Coluber couperi).
Baird and Girard 1853 A, 92 (Georgia couperii).
Cope, E. D. 1900 A, 858, figs. 199, 200 (Compsosoma c. couperii).

Hay, O. P. 1917 E, 44 (D. corais).
1923 A, 382.

Stejneger and Barbour 1917 A, 84.
Recent; Carolinas to Texas: Pleistocene (Middle or Late); Florida.

NATRIX Laurenti. Type *Natrix natrix.*

Laurenti, J. C. 1768, Syn. Rept., 73.
Unless otherwise indicated the writers, as cited, use the name Tropidonotus.
Abel, O. 1919 A, 682.
Allis, E. P. 1919 A, 385.
1919 D, 213.
Batelli, A. 1880 A, 355.
Baur, G. 1891 F, 333.
Beecker, A. 1903 A, 365.
Beer, G. R. 1926 A, 315, figs. 86, 87.
Bolk, L. 1915 C, 196.
Cartier, O. 1874 A, 196, pl. iii.
Corning, H. K. 1891 A, 613, pl. xxx.
Edgeworth, F. H. 1907 A, 512, figs. 36-39.
Fuchs, H. 1911 C, 613, figs. 4-25.
Gaupp, E. 1905 D, 1013, fig. 42.
1913 A, 57, figs. 27, 28.
Haller, G. 1924 A, 306, figs. 6, 8.
Hasse, C. 1873 C, 648, pl. xxx (Coluber).
Hayek, H. 1924 A, 141, pl. i, fig. 2; pl. ii, fig. 2.
Heilprin, A. 1887 A, 433.
Huxley, T. H. 1859 D, 405 (Coluber).
Kerbert, C. 1876 A, 213.
Kingsley, J. S. 1912 B, 94.
1925 A, 158, fig. 168.
Lebedinsky, N. G. 1917 A, 318.
Leche, W. 1893 C, 793.
Leunis and Ludwig 1883 A, 589.
Leydig, F. 1873 A, 755.
1873 B, 3.
Lydekker, R. 1912 C, 144.
Palacký, J. 1894 A, 130.
1898 A, 97, 123.
Parker and Haswell 1897 A, 324, fig. 392.
Reynolds, S. H. 1897 A, 279, 280.
Sarkar, S. C. 1923 A, 297, figs. 1-4; 10-13.
Schmidt, W. J. 1910 A, 664.
Seydel, O. 1899 A, 498, fig. 22.
Shaner, R. F. 1926 A, 362.
Stannius, H. 1856 A, 6, 48.
Stejneger, L. 1907 C, 263 (Natrix).
Taschenberg, O. 1894 A, 3607.
Vitali, G. 1909 A, 212.
Wegner, R. N. 1922 A, 420.
Weiss, A. 1901 A, 496.
Werner, F. 1904 A, 334.

Natrix sp. indet.

Wheatly, C. M. 1871 A, 237 (Tropodonotus. This genus?).
1872 B, 384 (Tropodonotus. This genus?).
Pleistocene (Early); Pennsylvania.

THAMNOPHIS Fitzinger. Type *T. sauritus* (Linnæus).

Fitzinger, L. 1843 A, 26.
Baird and Girard 1853 A, 24 (Eutænia).
Cope, E. D. 1900 A, 1014, 1255 (Eutænia).
Stejneger and Barbour 1917 A, 100.

Thamnophis sirtalis (Linnæus).

Linnæus, C. 1758 A, 222 (Coluber).
Baird and Girard 1853 A, 30 (Eutænia).
Cope, E. D. 1900 A, 1064, 1069, 1256, figs. 298-303 (Eutænia).
Hay, O. P. 1923 A, 311.
Leidy, J. 1889 H, 19 (Eutænia).
Peterson, O. A. 1926 A, 253.
Stejneger and Barbour 1917 A, 103.
Recent; United States and Canada to Wisconsin; Pleistocene?; Pennsylvania.

CROTALIDÆ Gray.

Gray, J. E. 1825 A, 204.
Hay, O. P. 1902 A, 480.
Arldt, T. 1907 D, 648 (Crotalidæ); 756 (Crotalinæ).
Bonaparte, C. L. 1833 B, 1185 (Viperidæ).
Boulenger, G. A. 1901 B, 403 (Crotalinæ).
Brown, A. E. 1904 A, 473.
Carus, V. 1875 A, 418.
Gadow, H. 1905 A, 226 (Crotalinæ).
1913 A, 103 (Crotalinæ).
Gray, J. E. 1837 D, 135.
Hoffman, C. K. 1890 C, 1866.
Leunis and Ludwig 1883 A, 576.
Lobley, J. L. 1908 A, 202, 208.
Lydekker, R. 1912 C, 43 (Crotalinæ).
Matthew, W. D. 1914 B, 387.
Nopcsa, F. 1923 G, 150 ("viperiden").
Owen, R. 1866 A, 55, 152.
Palacký, J. 1894 A, 131, 132 ("crotaliden").
1898 A, 103 ("crotalides").
1902 B, 147 ("crotaliden").
Phisalix, M. 1912 A, 163, 191 (Viperidæ).
1914 A, 16 (Viperidæ).
Scharff, R. F. 1911 A, 131 ("rattlesnakes").
Stejneger, L. 1907 A, 448.
Terra, P. 1911 A, 231.
Williston, S. W. 1925 B, 276 (Viperidæ).

CROTALUS Linnæus. Type *C. horridus* Linnæus.

Hay, O. P. 1902 A, 481.
Bronn, H. G. 1848 A, 352.
Gadow, H. 1901 B, 643.
1905 A, 226.
Giebel, C. G. 1855 A, 97.
Heilprin, A. 1887 A, 322, 323.
Hoffmann, C. K. 1890 C, 1866.
Köstlin, O. 1844 A.
Leunis and Ludwig 1883 A, 577.
Lydekker, R. 1912 C, 153.
Mayer, C. 1824 C, 822, 835.
Meckel, J. F. 1825 A.
Mivart, St. G. 1879 B, 538, fig. 6 ("rattlesnake").

Nopcsa, F. 1923 G, 150.
1923 H, 12, 13, 77, pl. ii, fig. 6.
Owen, R. 1845 B, 227, 229.
1857 G, 196, pl. iv, fig. 4.
1866 A, 55, fig. 47.
Palacký, J. 1898 A, 103.
Parker and Bettany 1877 A, 213.
Parker and Haswell 1897 A, 325, fig. 933.
Phisalix, M. 1912 A, 195.
1914 A, 1, 61.
Reynolds, S. H. 1897 A, 270, 280.
Scharff, R. F. 1911 A, 131, 253.
Stannius, H. 1856 A, 5, 48.
Stejneger and Barbour 1917 A, 108.
Taschenberg, O. 1894 A, 3599.
Terra, P. 1911 A, 142, figs. 34, 35 ("klapperschlange").
Tomes, C. S. 1876 B, 381, pl. xxxvii ("rattlesnake").
West, G. S. 1898 A, 523.
Williston, S. W. 1925 A, 72, fig. 59.
1925 B, 277.
Zittel and Broili 1911 A, 219.
1923 A, 267.

Crotalus adamanteus Beauvois.

Beauvois, —— de 1799, Trans. Amer. Philos. Soc., IV, 368.
Cope, E. D. 1900 A, 1161, fig. 333.
Hay, O. P. 1917 E, 44.
1923 A, 382.
Stejneger and Barbour 1917 A, 108.
Recent; North Carolina to Florida, west to Louisiana and Arkansas: Pleistocene (Middle or Late); Florida.

Crotalus atrox? Baird and Girard.

Hay, O. P. 1920 B, 135, pl. x, fig. 2 (This species?).
Recent; Texas to Arizona, Lower California: Pleistocene (Middle?); Texas.

Crotalus horridus Linnæus.

Hay, O. P. 1902 A, 481.
Abel, O. 1919 A, 681, fig. 532.
Cope, E. D. 1900 A, 1185, fig. 342.
Gadow, H. 1901 B, 649.
Hay, O. P. 1920 B, 96.
1923 A, 348.
Owen, R. 1845 B, 229, pl. lxv, figs. 8-11.
1866 A, 56, 394.
Stejneger and Barbour 1917 A, 109.
Zittel and Broili 1911 A, 219, fig. 360.
1923 A, 267, fig. 376.
Recent; Maine to Georgia, west to Great Plains: Pleistocene; Pennsylvania, Maryland.

Crotalus sp. indet.

Brown, B. 1908 A, 207, pl. xxii. Pleistocene; Arkansas.
Gidley, J. W. 1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1923 A, 314, 353. Pleistocene; Pennsylvania, Virginia.
1927 D, 216, 274. Pleistocene; California, Florida.
Miller, L. H. 1912 A, 71 (Crotalus sp.). Pleistocene; California.
Sinclair, W. J. 1904 A, 18 (Crotalus sp.). Pleistocene; California.

NEURODROMICUS Cope. Type *N. dorsalis* Cope.

Hay, O. P. 1902 A, 481.
Williston, S. W. 1925 B, 277.

Neurodromicus dorsalis Cope.

Hay, O. P. 1902 A, 481.
Oligocene (White River); Colorado.

PROTAGRAS Cope. Type *P. lacustris* Cope.

Cope, E. D. 1872 PP, 3.
Hay, O. P. 1902 A, 479.
Williston, S. W. 1925 B, 276.

Protagras lacustris Cope.

Cope, E. D. 1872 PP, 3.
Hay, O. P. 1902 A, 479.
Merrill, G. P. 1907 A, 76.
Middle Eocene (Bridger); Wyoming.

HELAGRAS Cope. Type *H. prisciformis* Cope.

Hay, O. P. 1902 A, 481.
Heilprin, A. 1887 A, 327.
Williston, S. W. 1925 B, 277.
Zittel and Broili 1923 A, 268.

Helagras prisciformis Cope.

Hay, O. P. 1902 A, 481.
Gardner, J. H. 1910 A, 731.
Gilmore, C. W. 1920 A, 10.
Matthew, W. D. 1914 B, 383.
Reeside, J. B. 1924 A, 42.
Paleocene (Torrejon); New Mexico.

CONIOPHIS Marsh. Type *C. precedens* Marsh.

Hay, O. P. 1902 A, 481.
Williston, S. W. 1902 K, 953.
1925 B, 277.

Coniophis precedens Marsh.

Hay, O. P. 1902 A, 481.
Bowen, C. F. 1915 A, 128.
Merrill, G. P. 1907 A, 66.
Osborn, H. F. 1902 I, 13.
Upper Cretaceous (Lance); Wyoming.

Class AVES Linnæus.

Hay, O. P. 1902 A, 517.
Abel, O. 1907 A, 227 ("vögel").
1910 B, (185) ("vögel").
1910 C, (230) ("vögel").
1911 A, 144 ("vögel").
1912 E, 218 ("vögel").
1912 F, 267, 279, 532 ("vögel").
1919 A, 686.
1920 A, 400.
1921 A, 143, 223, 251, 265 ("vögel").
Adams, C. C. 1902 A, 115 ("birds").
Adams, L. A. 1919 A, 99, 138.
Adolphi, H. 1922 A ("vögel").
Aeby, C. 1873 A, 699 ("vögel").
Agar, W. E. 1909 A, 378.
Agassiz, L. 1836 B, 24 ("oiseaux").
1844 C, 253 ("oiseaux").
1845 B, 299 ("birds").
Alexander, G. 1904 A ("vögel").
Allen, J. A. 1871 A.
1905 A, 662 ("birds").
Allis, E. P. 1919 D, 216.
Altmann, F. 1925 A, 100 ("vögel").
Anderson, R. J. 1902 C, 785 ("birds").
1914 A, 533 ("birds").
Andreae, A. 1903 A, 149 ("vögel").
Anthony, R. 1910 A, 779 ("oiseaux").
1912 A ("oiseaux").
1913 A, 243 ("oiseaux").
Arldt, T. 1907 C, 677 ("vögel").
1907 D, 640.
Arthaber, G. 1910 A, 552 ("vögel").
Aulmann, G. 1909 A ("vögel").
Baird, S. F. 1876 A, 357 ("birds").
Baker, F. C. 1921 A, 155 ("birds").
Baraldi, G. 1877 A, *passim* ("uccelli").
Bardeleben, K. 1903 A, 27 ("vögel").
1904 A, 110 ("vögel").
Baur, G. 1885 N, 488 ("vögel").
1887 H, 47 ("sauropsiden").
Beebe, C. W. 1906 A ("birds").
1915 A, 447 ("birds").
1915 B, 39 ("birds").
Beecker, A. 1903 A, 582 ("vögel").
Bender, O. 1907 A, 40 ("vögel").
Bergmann, C. 1841 A, 202 ("vögel").
Beyer, H. 1907 B, 298 ("vögel").
1908 B, 243 ("vögel").
1909 A, 30 ("vögel").
Bignon, F. 1889 A ("oiseaux").
Bittner, F. 1912 A, 1 ("vögel").
Blainville, H. M. D. 1817 A, 107 ("oiseaux").
1821 A, 185 ("oiseaux").
Blanford, W. T. 1876 A, 287.
Blasius, W. 1884 B, 228 ("vögel").
1885 B, 409 ("vögel").
Blendinger, W. 1904 A, 453 ("sauropsiden").
Bluntschli, H. 1912 B, 384 ("vögel").
Boas, J. E. V. 1914 B, 548, 566 ("vögel").
Bojanus, L. H. 1819 A, 1363 ("vögel").
1821 A, 1159 ("vögel").
Bonaparte, C. L. 1832 A, 294.
1833 A, 1042 ("vögel").
Bonsdorff, E. J. 1871 A, 297, 305 ("vögel").
Branca, W. 1908 B ("vögel").
Brandt, J. F. 1865 A, i ("vögel").
Brauer, A. 1914 A ("vögel").
Brauns, D. 1890 A, 149, 201, 202.
Broom, R. 1901 A, 188.
1906 D, 362, 365.
1908 E, 114.
1912 A, 625 ("birds").
1913 G, 345 ("birds").
1913 O, 631 ("birds").
1914 G, 305 ("birds").
1917 A, 977.
1926 A, 257 ("birds").
Bronn, H. G. 1849 A, 781 seq.
Bruni, A. C. 1910 A, 750 ("uccelli").
Burckhardt, R. 1902 A ("vögel").
1903 A, 78 ("vögel").
1906 A, 159 ("sauropsiden").
Carter, J. T. 1905 A, 145 ("birds").
Carus, V. 1875 A, 191.
Carus and Engelmann 1861 A, 112-1172, 1573, 1675-1680, 1702, 1709.
Case, E. C. 1898 C, 816.
Chandler, A. C. 1916 C ("birds").
Chapman, F. M. 1904 A, 482 ("birds").
Clark, H. L. 1901 A, 370 ("birds").
Claus, C. 1895 A, 343 ("vögel").
Cleland, J. 1863 A, 118 ("birds").
1863 B, 308 ("birds").
1887 A, 391 ("birds").
Cope, E. D. 1885 BB, 70 ("birds").
1891 N, 7, 53 (Monocondylia, Aves).
Cornay, J. E. 1847 A, 360 ("oiseaux").
Cunningham, J. T. 1897 A, 486 (Sauropsida).
Cutler, I. E. 1924 A, 144 ("birds").
Cuvier, G. 1805 A.
1812 A, 123 ("oiseaux").
1815 A, 103 ("oiseaux").
Dabelow, A. 1926 A, 95 ("sauropsiden").
Dana, J. D. 1863 B, 315 ("birds").
1863 C, 334 ("birds").
1863 D, 131 ("birds").
Davies, H. R. 1889 A, 560-645.
Deninger, K. 1914 A, 192-214 ("vögel").
1915 A, 187 ("vögel").
Dieck, R. 1867 A.
Diener, C. 1909 A, 32 ("vögel").
Diethelm, M. 1907 A ("vögel").
Döderlein, L. 1900 B, 55 ("vögel").
1902 A, 398 ("vögel").
Dollo, L. 1883 G, 582 ("birds").
1884 E, 66 (Sauropsida, in part).
1889 E, 146 ("oiseaux").
1893 D, 13 ("oiseaux").
1919 A, 34 ("oiseaux").
Dombrowski, B. A. 1925 A, 69, fig. 2 ("vögel").
Duerden, J. E. 1924 A, 557 ("birds").
Du Toit, P. J. 1913 A, 230 ("vögel").
1914 A, 311 ("vögel").
Edgeworth, F. H. 1907 A, 511, 546 (Sauropsida).
Edwards, A. M. 1868 A.
Eichwald, E. 1832 A, 866 ("vögel").
Eimer, G. H. T. 1901 A, 263 ("vögel").
Eisler, P. 1895 A ("vögel").
Evans, A. H. 1899 A.
Fejérváry, G. J. 1921 C, 10 ("vögel").
Filatoff, D. 1906 A, 626 ("vögel").
1907 A, 311 ("vögel").

Finn, F. 1894 A, 210 ("birds").
1894 B, 453 ("birds").
Fisher, G. J. 1888 A, 218 ("birds").
Fleischmann, A. 1910 A, 684, 700.
Foote, J. S. 1913 A ("birds").
1916 A, 15, 59 ("birds").
Forbes, W. A. 1881 A, 1.
1882 E, 386 ("birds").
Forster, A. 1905 A, 89-138.
Fraas, E. 1913 D, lxiv ("vögel").
Frech, F. 1906 A, 491 ("vögel").
Froriep, A. 1905 B, 111 (Gallus).
Fuchs, H. 1908 A, 352 ("sauropsiden").
1909 B, 131 ("vögel").
1910 B, 255 ("vögel").
1910 C, 495 ("vögel").
1912 B, 82 ("vögel").
1912 D, 156.
Fürbringer, M. 1902 B, 289, 588.
1904 A ("vögel").
Funccius, T. 1909 A, 370 ("vögel").
Gadow, H. 1896 C, 204 ("birds").
1901 A, 399 ("birds").
1902 B, 352 ("birds").
1912 B, 210 ("birds").
1913 A, 104.
1914 A, 504 ("birds").
Garbowski, T. 1895 A, 444 ("vögel").
Garrod, A. H. 1873 C, 33 ("birds").
1873 D, 626-644.
1874 A, 116.
Gaskell, W. H. 1898 A, 553.
Gaupp, E. 1895 A, 57, seq. ("vögel").
1898 B, 854 ("vögel").
1899 A, 1004, 1095 ("vögel").
1901 B, 988 ("vögel").
1902 A, 185 ("vögel").
1905 D, 1024 ("vögel").
1905 E, 161 ("vögel").
1906 B ("vögel").
1908 B ("vögel").
1908 C ("vögel").
1910 A, 541 ("vögel").
1911 A, 423 ("vögel").
1911 B, 112.
1911 C, 443, 453.
1911 D, 630 ("vögel").
1913 A, 23 ("vögel").
Gegenbaur, C. 1863 A, 450 ("vögel").
1864 B, 8 ("vogel").
1867 B, 369, 401 ("vögel").
1870 C, 397 ("vögel").
1871 A, 157 ("vögel").
1879 A, 522 ("vögel").
1880 A, 596 ("vögel").
Gemminger, M. 1852 A, 215 ("vögel").
Geoffroy St. Hilaire, E. F. 1807 C, 99 ("oiseaux").
1807 E, 346 ("oiseaux").
1817 A, 126 ("oiseaux").
1817 B, 186 ("oiseaux").
1824 D, 435 ("oiseaux").
1832 A, 354 ("oiseaux").
1853 B, 35 ("oiseaux").
1856 A, 5 ("oiseaux").
1859 A, 403, 424 ("oiseaux").
Gervais, P. 1852 A, 223 ("oiseaux").
Gessner, I. 1921 A, 271 ("vögel").
Giebel, C. G. 1855 B, 29 ("vögel").
Gill, T. 1873 E, 435.
1898 A, 696 ("birds").
1907 A, 491 ("birds").
Goodrich, E. S. 1916 A, 264.
Goodsir, J. 1857 A ("birds").
Gregory, W. K. 1915 E, 446 ("birds").
1916 C, 31 ("birds").
1917 D, 624 ("birds").
1920 A, 128.
Gregory and Camp 1918 A ("birds").
Grote, H. 1902 A, 59 ("vögel").
Haeckel, E. 1868 A, 436, 457.
Hanson, F. B. 1919 B, 76 ("birds").
Harle and Harle 1912 A, 118 ("oiseaux").
Harting, P. 1866 A, 23 ("vögel").
Hase, A. 1913 A ("vögel").
Hasse, C. 1871 A ("vögel").
1873 D, 685 ("vögel").
Hasse and Schwarck 1870 A, 40, 51 ("vögel").
Hay, O. P. 1910 C, 23 ("birds").
Hayek, H. 1924 A, 152 ("vögel").
Heilmann, G. 1913 A, 1-72, figs. 1-50.
1913 B, 51-109.
1914 A, 1-96.
1915 A, 92-160.
1916 A, 73-144.
1926 A, 1-208.
Heilprin, A. 1901 A, 21473 ("birds").
Henshaw, H. W. 1912 A, 318 ("birds").
Herman, O. 1902 A, 1 ("vögel").
Hertwig, O. 1892 A.
Hesse, H. 1907 A, 185 ("vögel").
Hilgard, T. C. 1859 A, 337 ("birds").
1860 A, 679 ("birds").
Hilzheimer, M. 1913 A, 516 ("vögel").
Hoernes, R. 1886 A, 633.
Hollard, H. 1864 A, 13 ("oiseaux").
1864 C, 360 ("oiseaux").
Hommes, J. H. 1924 A, 14 ("birds").
Houssay and Magnan 1912 A, 39 ("oiseaux").
Howes, G. B. 1893 C, 587.
1902 A, 523 ("birds").
Howes and Swinnerton 1901 A, 2.
Huene, F. 1907 A, 152-154 ("vögel").
1908 B, 402 ("vögel").
1908 F, 404 ("vögel").
1908 H, 157-175 ("vögel").
1910 F, 148-163 ("sauropsiden").
1911 G, 147-161 ("sauropsiden").
1913 E, 480 ("vögel").
1914 G, 38 ("vögel").
1922 E, 24.
1922 F, 409 ("vögel").
1926 A, 262 ("vögel").
1927 E, 326 ("vögel").
Huxley, T. H. 1855 A, 82.
1859 D, 435, 450 ("birds").
1863 E, 443.
1863 F, 475, 529.
1867 C, 238.
1868 B, 357.
1868 D, 303 ("birds").
1869 F, 574 ("birds").
1869 G, 445 ("birds").
1869 J, 91 ("birds").
1870 G, 465, 482.
1870 H, 494 ("birds").

Huxley, T. H. 1881 A, 454 ("birds").
Ihde, —— 1912 A, 247 ("vögel").
Jacquemin, E. 1834 A, 277 ("oiseaux").
1836 A, 129 ("oiseaux").
1837 A, 565 ("oiseaux").
Jaeger, G. F. 1842 A, 441 ("vögel").
Jaekel, O. 1901 B, 52 ("vögel").
1903 F, 35 ("vögel").
1904 A, 33 ("vögel").
1906 D, 188 ("vögel").
1908 B, 467 ("vögel").
1909 A, 193, 211.
1909 C, 706 ("vögel").
1911 A, 167.
1912 A, 610 ("vögel").
1915 B, 1 ("vögel").
Johnson, A. 1883 A, 405 ("birds").
Jordan, D. S. 1905 B ("birds").
1905 C, 872 ("birds").
1922 C, 177 ("birds").
Julien, A. 1894 A, 173 ("oiseaux").
Kehrer, F. A. 1896 A, 347 ("vögel").
Kerbert, C. 1876 A, 229 ("vögel").
Kerr, J. G. 1923 A, 114.
Kessler, K. T. 1841 A, 466, 626 ("vögel").
Keyes, C. A. 1922 A, pl. iii.
Kingsley, J. S. 1901 A, 197 ("birds").
1912 B, 95.
1925 A, 46, 47, 56, 57, 169, 225, 255, 269, 287, 288.
Kjellberg, K. 1904 A, 159 ("sauropsiden," in part).
Klaatsch, H. 1893 B, 651 ("sauropoden," in part).
Klaauw, C. J. 1924 B, 596.
Klein, E. E. 1868 A ("vögel").
Knopfli, W. 1917 A, 49 ("vögel").
Köstlin, O. 1844 A, 168 ("vögel").
Koken, E. 1893 B, 427 ("vögel").
1899 A, 364 ("vögel").
Kulczycki, W. 1901 A, 589 ("vögel").
1908 A, 125 ("vögel").
Lambrecht, K. 1914 A, 58-84.
1916 B, 215-307.
1916 C, 482-501.
Larger, R. 1913 A, 702, 713 ("oiseaux").
Lavocat, A. 1883 A, 1316, 1318 ("oiseaux").
1884 A, 1126 ("oiseaux").
1885 A, 28, 40 ("oiseaux").
1889 A, 39, 48 ("oiseaux").
Lebedinsky, N. G. 1913 A, 647 ("vögel").
1913 B, 191 ("vögel").
1914 A, 84 ("vögel").
1918 A, 36 ("vögel").
1918 B, 129 ("vögel").
1921 A, 8 ("vögel").
Leche, W. 1887 A ("vögel").
LeDamany, P. 1902 A, 335 ("oiseaux").
1903 A, 273 ("oiseaux").
1903 B, 276 ("oiseaux").
1903 D, 355 ("oiseaux").
1903 E, 365 ("oiseaux").
1903 G, 127 ("oiseaux").
1906 B, 159 ("oiseaux").
Ledouble, A. F. 1903 A, 642 ("oiseaux").
L'Herminier, F. 1836 A, 107 ("oiseaux").
Leighton, V. L. 1894 A, 63 ("birds").
Lemoine, V. 1889 A, 233 ("oiseaux").
Leunis and Ludwig 1883 A, 298.
Lilienthal, G. 1917 A, 261 ("vögel").
Lindsay, B. 1885 A, 684 ("birds").
Lorenz, L. 1908 A, 325 ("vögel").
Lubosch, W. 1911 A, 325 ("vögel").
1911 B, 744 ("vögel").
1926 A, 104, fig. 1 ("vögel").
Lucas, F. A. 1894 A, 208 ("birds").
1894 B, 36 ("birds").
1902 H, 95 ("birds").
Lühder, W. 1871 A, 321 ("vögel").
Lull, R. S. 1906 B, 549 ("birds").
1917 B, 294, 337, 532.
1918 C, 128 ("birds").
Lurje, M. 1906 A, 1-61 ("vögel").
Lydekker, R. 1879 A, 1, 25.
1896 E, 398-416.
1901 A, 646 ("birds").
1903 D, 75 ("birds").
1912 C, 24 ("birds").
Mackie, S. J. 1863 C, 106 ("birds").
1863 E, 415 ("birds").
Magnan, A. 1922 A, 125-334.
Magnus, H. 1871 A.
Marsh, O. C. 1899 C, 71 ("birds").
Martins, C. 1857 A ("oiseaux").
1872 A, 308 ("oiseaux").
Matthew, W. D. 1915 A, 184, 292 ("birds").
Matthew and Granger 1917 A, 307 ("birds").
Mead, C. S. 1904 A, 53 ("birds").
Meckel, J. F. 1825 A ("vögel").
Mehnert, E. 1887 B, 212 ("vögel").
Merriam, C. H. 1906 A, 243 ("birds").
Meunier, S. 1903 A, 774 ("oiseaux").
Miller, L. H. 1913 A, 132 ("birds").
1923 A, 345 ("birds").
1928 A, 119 ("birds").
Miller, W. D. 1924 A, 1.
Mitchell, P. C. 1894 A, 211 ("birds").
Mivart, St. G. 1879 B, 537 ("birds").
Mivart and Clarke 1879 A, 526, text-fig. 9 ("birds").
Montgomery, T. H. 1901 A, 21732 ("birds").
Moodie, R. L. 1915 I, 139 ("birds").
Mook, C. C. 1918 A, 465.
Mudge, B. F. 1879 A, 224 ("birds").
Nauck, E. T. 1923 A, 4 ("vögel").
Newton, E. T. 1888 B, 439 ("birds").
Nitzsch, C. L. 1822 A, 70 ("vögel").
1862 A, 390 ("vögel").
Nopcsa, F. 1903 B, 487 ("vögel").
1907 A, 223, 232 ("birds").
1917 A, 204 ("vögel").
1923 C, 463 ("birds").
1923 H, 175, 178, 180, 184 ("vögel").
1926 A, 636 ("birds").
Norsa, E. 1895 A, 232 ("oiseaux").
O'Donoghue, C. H. 1913 A, 465 ("birds").
Oken, L. 1819 A, 1529 ("vögel").
1823 B, 444 ("vögel").
Osborn, H. F. 1904 L, 256 ("birds").
1904 M, 257.
1916 E, 511 ("birds").
1917 B, 308 ("birds").
1926 A, 186 ("birds").
1926 C, 339 ("birds").
Owen, R. 1848 B, 125, pl. ii, fig. 4.
1868 A, 862-866.

Packard, A. S. 1904 A, 221 ("birds").
Palacký, J. 1902 B, 143 ("vögel").
Pander and Alton 1827 B, 1 ("vögel").
Parker, W. K. 1864 B, 56 ("birds").
1864 B, 56 ("birds").
1869 A, 501 ("birds").
1886 A, 270 ("birds").
1887 B, 52 ("birds").
1888 C, 397 ("birds").
1888 D, 465 ("birds").
Parker and Haswell 1897 A, 350.
Perrier, E. 1920 A ("oiseaux").
1867 A, 725 ("vögel").
Peters, W. 1867 A, 725 ("vögel").
1867 B, 779 ("vögel").
1867 C, 953 ("birds").
1868 A, 592 ("vögel").
1868 B, 388 ("birds").
Petronievics, B. 1921 A, 104, 195 ("oiseaux").
Pettigrew, J. B. 1872 A, 337 ("birds").
Pfeiffer, H. 1854 A, 20.
Pictet, F. J. 1853 A, 400 ("oiseaux").
Plieninger, F. 1906 A, 407 ("vögel").
Pompeckj, J. F. 1925 A, 6 ("vögel").
Puccioni, N. 1908 A, 56 ("uccelli").
Pycraft, W. P. 1893 A, 361 ("birds").
1900 B ("birds").
1902 B, 312 ("birds").
1903 C, 221 ("birds").
1906 B, 531 ("birds").
1909 A, 204 ("birds").
1910 A ("birds").
Rabl, C. 1903 A, 166, 175 ("vögel").
Reichenbach, H. G. L. 1853 A.
Reichenow, A. 1913 A.
1914 A.
Reichert, K. B. 1837 A, 120.
1849 A, 468 ("vögel").
Retterer, E. 1908 A, 485 ("oiseaux").
Rex, H. 1911 A, 209 ("vögel").
Reynolds, S. H. 1897 A, 295-342.
Rice and Gregory 1906 A, 178 ("birds").
Ridgway, R. 1901 A, 2.
Römer, F. 1907 A, 67 ("vögel").
Röse, C. 1892 G, 139 ("vögel").
Rogenhofer, A. 1908 A, (42) ("vögel").
Romer, A. S. 1923 A, 141, fig. 1 ("birds").
1923 B, 533 ("birds").
Rosenberg, A. 1873 A, 139 ("vögel").
Ryder, J. 1887 A, 344 ("birds").
Sabatier, A. 1897 A, 806 ("oiseaux").
1902 A, 99 ("oiseaux").
Scharff, R. F. 1909 B, 21 ("birds").
1922 A, 69 ("birds").
Schauinsland, H. 1906 A, 514.
Schöne, G. 1902 A, 22 ("vögel").
Schoenichen, W. 1900 A, 501 ("vögel").
Schuchert and Barrell 1914 A, 24 ("birds").
Schwarck, W. 1872 A, 569, pl. xxvi.
Sclater, P. L. 1858 A, 130.
1886 A, 147 ("birds").
Scott, W. B. 1917 A, 174 ("birds").
Sedgwick, A. 1894 A, 42 ("birds").
Seebohm, H. 1888 A, 415 ("birds").
Seeley, H. G. 1866 B, 352 ("birds").
1872 A, 277 ("birds").
1872 B, 36 ("birds").
1876 C, 179 ("birds").
Seeley, H. G. 1887 E, 192.
Serres, M. 1852 A, 145 ("oiseaux").
1852 B, 179 ("oiseaux").
Sewertzoff, A. N. 1896 A, 274 ("vögel").
Sharpe, R. B. 1891 A.
Shiino, K. 1914 A, 378 ("vögel").
Shore, T. W. 1887 A, 363.
Shufeldt, R. W. 1882 A, 892 ("birds").
1882 B, 324 ("birds").
1886 D, 353.
1896 A, 357 ("birds").
1904 B, 833.
1904 C, 311.
1913 F, 306 ("birds").
1920 A, 634 ("birds").
Sieglbauer, F. 1911 A, 262 ("vögel").
Simpson, G. G. 1926 I, 453 ("birds").
Sippel, W. 1907 A, 490, 515 ("vögel").
Sixta, V. 1899 A, 330 ("vögel").
Sonies, F. 1907 A, 395 ("vögel").
Spencer, W. B. 1886 A, 220.
Spurrell, H. G. F. 1906 A, 123 ("birds").
Steiner, H. 1916 A, 488 ("vögel").
1918 A, 221-496.
1922 A, 307-360.
Steinmann, G. 1907 A, 456.
1908 A, 215, 221 ("vögel").
1910 A, 99 ("vögel").
1912 B, 717, 731 ("vögel").
1922 A, 239 ("vögel").
Stellwaag, F. 1912 A, 627 ("vögel").
Sterling, S. 1908 A, 333 ("vögel").
Strasser, H. 1885 A, 174 ("vögel").
1905 B, 194 ("vögel").
1905 C, 165 ("vögel").
Strecker, C. 1887 A, 308 ("vögel").
Stromer, E. 1912 A, 132.
Strong, R. M. 1921 A, 203 ("birds").
Sundevall, C. J. 1886 A, 389 ("birds").
Sushkin, P. P. 1899 B ("vögel").
1910 A, 244 ("vögel").
Taschenberg, O. 1899 A, 3649-4363.
Terra, P. 1911 A, 242 ("vögel").
Terry, R. J. 1909 A, 526 ("birds").
Tristram, H. B. 1888 A, 204 ("birds").
Trouessart, E. L. 1906 A, 66 ("oiseaux").
Van Bemmelen, J. F. 1928 A, 283 ("oiseaux").
Van den Broeck, E. 1900 A, 67 ("oiseaux").
Van Wijhe, J. W. 1905 A, 17 ("vögel").
1907 A, 14 ("birds").
1922 A, 292 ("vögel").
Versluys, J. 1903 A, 172 ("vögel").
1910 B, 178, 223 ("vögel").
1912 A, 492 ("vögel").
1912 B, 653, 687.
Vialleton, L. 1916 A, 5.
1919 A, 307 ("oiseaux").
Virchow, H. 1909 A, 424 ("vögel").
1914 A, 79 ("vögel").
1914 C, 130 ("vögel").
1921 A, 136 ("vögel").
Vitali, G. 1909 A, 214 ("uccelli").
Vogt, C. 1879 A, 244 ("oiseaux").
Voit, M. 1923 A, 68 ("vögel").
Wagner, R. 1843 A, 79.
Wallace, A. R. 1864 A, 36 ("birds").
1876 A, I, 490, 491; II, 562 ("birds").
1894 A, 433, 438 ("birds").

Wallisch, W. 1922 A, 533, fig. 1 ("vögel").
Wamich, P. 1913 A, 1 ("vögel").
Watson, D. M. S. 1917 A, 984 ("birds").
1917 B, 60 ("birds").
Weidenreich, F. 1922 B, 55 ("vögel").
1925 A, 37 ("vögel").
Weitzel, A. 1865 A, 317 ("vögel").
Wetmore, A. 1926 E, 525 ("birds").
1928 A, 145 ("birds").
Wilbrand, J. B. 1823 A, 509 ("vögel").
Williston, S. W. 1879 A, 457.
1885 A, 629 ("vögel").
1904 A, 44 ("birds").
1912 E, 260 ("birds").
Williston, S. W. 1917 C, 412 ("birds").
Woodward, A. S. 1898 E, 331 ("birds").
Woodward, H. 1904 B, 149.
Woodward and Sherborn 1891 A, 32.
Wray, R. S. 1887 A, 343 ("birds").
Wright, W. 1909 A, 674 ("birds").
Young, G. W. 1915 A, 248 ("birds").
Ziegler, H. E. 1901 A, 231, 235 ("vögel").
Zittel, K. A. 1897 A, 127 ("vögel").
1901 A, 418 ("birds").
Zittel and Lucas 1902 A, 256.
Zittel and Schlosser 1911 A, 308.
1923 A, 384-402.

Superorder SAURURÆ Huxley.

Huxley, T. H. 1867 C, 241.
Hay, O. P. 1902 A, 518.
Abel, O. 1912 F, 301.
1919 A, 693.
Beddard, F. E. 1898 A, 529.
Carus, V. 1875 A, 367.
Cope, E. D. 1891 N, 53.
Evans, A. H. 1899 A, 23 (Archæornithes).
Fürbringer, M. 1902 B, 606.
Gadow, H. 1893 A, 86 (Archæornithes).
1910 B, 976 (Archæornithes).
Garbowski, T. 1895 A, 447 ("saururen").
Gegenbaur, C. 1879 A, 522 ("saururen").
Haeckel, E. 1868 A, 441, 458.
1873 A, 512.
Hoernes, R. 1886 A, 633.
Huxley, T. H. 1868 B, 357.
Ihde, —— 1912 A, 259 ("saururen").
Jaekel, O. 1911 A, 170 (Archornithes).
Knowlton, F. H. 1909 B, 53 (Archæornithes).
Lambrecht, K. 1914 A, 61 (Archæornithes).
1921 A, 1.
Lydekker, R. 1879 A, 25.
Newton, A. 1885 A, 44.
Newton and Gadow 1896 A, 754, 814.
Parker and Haswell 1897 A, 382, 390 (Archæornithes).
Pycraft, W. P. 1910 A, 41 (Archornithes).
Ridgway, R. 1901 A, 3.
Shufeldt, R. W. 1903 B, 34 (Archornithes).
1904 B, 849 (Archornithes).
Steinmann, G. 1907 A, 460 (Saurura).
Stromer, E. 1912 A, 142.
Vialleton, L. 1916 A, 7.
Vogt, C. 1879 A, 247 (Saururi).
Wamich, P. 1913 A, 20 ("saururen").
Woodward, A. S. 1898 B, 232.
Zittel and Lucas 1902 A, 264.
Zittel and Schlosser 1911 A, 316 (Archæornithes).
1923 A, 391 (Archæornithes).

Order ARCHÆOPTERYGOMORPHI, new name.

Hay, O. P. 1902 A, 518 (Ornithopappi).
Abel, O. 1919 A, 693 (Archæornithes).
Cope, E. D. 1891 N, 54 (Ornithopappi).
Fürbringer, M. 1888 A, 1565 (Archæopterygiformes).
Lambrecht, K. 1921 A, 1 (Archæopterygiformes).
Shufeldt, R. W. 1903 B, 34 (Archornithiformes).
1904 B, 849 (Archornithiformes).
Zittel and Lucas 1902 A, 264 (Archæornithes).
Zittel and Schlosser 1911 A, 316 (Archæornithes).
1923 A, 391 (Archæornithes).

ARCHÆOPTERYGIDÆ.

Hay, O. P. 1902 A, 518.
Carus, V. 1875 A, 368 (Archornithidæ).
Huxley, T. H. 1868 D, 307 (Archæopteryx).
Shufeldt, R. W. 1903 B, 34 (Archæopteridæ).
1904 B, 849.

ARCHÆOPTERYX Meyer.

Hay, O. P. 1902 A, 518.
Abel, O. 1911 A, 150.
1912 F, 343.
1919 A, 693.
1920 A, 401, figs. 621, 622.
Arthaber, G. 1921 B, 446.
Beddard, F. E. 1898 A, 536.
Beebe, C. W. 1906 A, 485, figs. 4-6.
1915 B, 39, 46.
Döderlein, L. 1900 B, 58.
Finn, F. 1894 B, 456.
Fuchs, H. 1909 B, 136.
Gadow, H. 1893 A, 86.
Gill, T. 1881 A, 379.
Heilmann, G. 1913 A, 1, figs. 1-4, 6-9, 11.
1926 A, 203, many figures.
Heinroth, O. 1923 A, 277, pl. iv, fig. 1; pl. v.
Huxley, T. H. 1867 A, 416, 418.
1868 E, 243.
1876 F, 180.
1880 C, 2.
Jaekel, O. 1911 A, 170, fig. 189.
1915 B, 15, fig. 6.
Knipe, H. R. 1912 A, 96, fig.
Knowlton, F. H. 1909 B, 53, fig. 19*a*.
Koken, E. 1899 A, 363.

Lambrecht, K. 1914 A, 61, text-fig. 5.
1921 A, 1.
Lucas, F. A. 1906 C, 316.
1916 A, 5, 4 figs.
Lull, R. S. 1917 B, 695, pl. xiv.
1922 D, 382.
Montgomery, T. H. 1901 A, 21732 ("archeopteryx").
Newton and Gadow 1896 A, 1060.
Nopcsa, F. 1907 A, 232, fig. 81.
1923 C, 463, figs. 5-7.
Parker, W. K. 1864 B, 55.
Petronievics, B. 1921 A, 103, 195.
1923 A, 94.
Petronievics and Woodward 1916 A, 283.
1917 A, 1, pl. i.
Pycraft, W. P. 1894 B, 437, pl. iv, figs. 1-7.
1910 A, 41, 455, fig. 13.
Reynolds, S. H. 1897 A, 532.
Rosenberg, A. 1873 A, 142.
Shufeldt, R. W. 1886 D, 352, 3 figs.
1907 B, 114.
Simpson, G. G. 1926 I, 453.
Steiner, H. 1916 A, 497.
1918 A, 278, 441, pls. ix, x.
1922 A, 309, 350, fig. 18.
Van Bemmelen, J. F. 1928 A, 285 ("archéopteryx").
Van den Broeck, E. 1900 A, 71 (Archeopteryx).
Vialleton, L. 1916 A, 18, fig. 8.
Vogt, C. 1879 A, 241, fig. 19.
Zittel and Schlosser 1911 A, 316, fig. 465.
1923 A, 385, fig. 498.

No American species of this genus has been recognized.

LAOPTERYX Marsh. Type *L. priscus* Marsh.

Hay, O. P. 1902 A, 518.
Beddard, F. E. 1898 A, 541.
Burckhardt, R. 1902 A, 525.
Fürbringer, M. 1902 B, 623.
Heilprin, A. 1887 A, 330.
Lambrecht, K. 1916 C, 493.
Lucas, F. A. 1902 B, 177.
Shufeldt, R. W. 1903 B, 37.
Simpson, G. G. 1926 H, 204.

The systematic position of this genus is somewhat doubtful.

Laopteryx priscus Marsh.

Hay, O. P. 1902 A, 518.
Abel, O. 1910 D, 7.
Lambrecht, K. 1921 A, 2.
Mook, C. C. 1916 A, 134.
Shufeldt, R. W. 1886 D, 356.
1903 B, 37.
1913 G, 410 (L. prisca).
Simpson, G. G. 1926 E, 3, 4.
Wetmore, A. 1928 A, 148.

Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Superorder EURHIPIDURÆ Gill.

Hay, O. P. 1902 A, 519 (Eurhipidura).
Abel, O. 1919 A, 695 (Ornithura).
Beddard, F. E. 1898 A, 167 (Ornithuræ).
Brauns, D. 1890 A, 202 (Euornithes).
Cope, E. D. 1891 N, 54.
Evans, A. H. 1899 A, 25 (Neornithes).
Fürbringer, M. 1902 B, 606 (Ornithuræ); 616 (Eurhipiduræ).
Gadow, H. 1910 B, 976 (Neornithes).
1893 A, 90 (Neornithes).
Jaekel, O. 1911 A, 170 (Neornithes).
Knowlton, F. H. 1909 B, 56 (Neornithes).
Lambrecht, K. 1914 A, 61 (Neornithes).
Parker and Haswell 1897 A, 382, 392 (Neornithes).
Pycraft, W. P. 1910 A, 41 (Neornithes).
Reynolds, S. H. 1897 A, 298 (Neornithes).
Ridgway, R. 1901 A, 3 (Ornithuræ).
Shufeldt, R. W. 1903 B, 38.
1904 B, 847, 849 (Ornithuræ).
Stromer, E. 1912 A, 137 (Ornithuræ).
Wetmore and Miller 1926 A, 340 (Neornithes).
Woodward, A. S. 1898 B, 234 (Neornithes).
Zittel and Lucas 1902 A, 265 (Ornithuræ).
Zittel and Schlosser 1911 A, 317 (Ornithuræ).
1923 A, 394 (Ornithura).

Order HESPERORNITHOMORPHI, new name.

Unless otherwise indicated the authors, as quoted, employ for this group the name Odontolcæ.

Hay, O. P. 1902 A, 520 (Odontolcæ); 521 (Dromæopappi).
Abel, O. 1919 A, 696.
Arldt, T. 1907 D, 669.
Baird, S. F. 1876 A, ccii.
Beddard, F. E. 1898 A, 392 (Hesperornithes).
Brauns, D. 1890 A, 149 (Odontolcæ); 202 (Odontornithes).
Case, E. C. 1898 C, 819.
Cope, E. D. 1891 N, 54 (Odontolcæ); 56 (Dromæopappi).
Delafontaine, M. 1875 A, 176 ("odontornithes").
Evans, A. H. 1899 A, 25, 45 (Odontolcæ); 25 (Hesperornithes).
Fürbringer, M. 1902 B, 608 (Odontolcæ); 609 (Dromæopappi); 632 (Hesperornithes).
Gadow, H. 1893 A, 114 (Hesperornithes).
1910 B, 977.
Garbowski, T. 1895 A, 447 ("odontolcen").
Hilzheimer, M. 1913 A, 517.
Hoernes, R. 1886 A, 635.
Huxley, T. H. 1880 C, 3 ("toothed birds").
Jaekel, O. 1911 A, 174.
Knowlton, F. H. 1909 B, 56 (Hesperornithiformes).
Lull, R. S. 1917 B, 322.
Lydekker, R. 1891 A, 202.
Newton and Gadow 1896 A, 640, 954.
Parker and Haswell 1897 A, 385.
Reynolds, S. H. 1897 A, 299.
Ridgway, R. 1901 A, 8.

Sharpe, R. B. 1899, Handlist of Birds, 116 (Hesperornithiformes).
Shufeldt, R. W. 1903 B, 33, 59 (Odontoholcæ); 59 (Hesperornithoidea).
1904 B, 848, 849 (Odontoholcæ, Hesperornithoidea).
Steinmann, G. 1922 A, 239 ("zahnvögel").
Terra, P. 1911 A, 243 ("odontolcen").
Van den Broeck, E. 1900 A, 76.
Vialleton, L. 1916 A, 7.
Vogt, C. 1879 A, 247 ("odontornithes").
Wetmore, A. 1926 E, 525 (Odontornithes).
Zittel, Eastman, etc. 1902 A, 266.
Zittel and Schlösser 1911 A, 317 (Odontolcæ); 318 (Hesperornithes).
1923 A, 394 (Odontolcæ, Hesperornithes).

HESPERORNITHIDÆ Marsh.

Marsh, O. C. 1876 F, 509.
Hay, O. P. 1902 A, 521.
Arldt, T. 1907 D, 658.
Cope, E. D. 1891 N, 56.
Gadow, H. 1893 A, 117.
Heilmann, G. 1913 A, 41 (Hesperornidæ).
Lambrecht, K. 1921 A, 18.
Lydekker, R. 1879 A, 25 (Hesperornidæ).
1891 A, 204.
Shufeldt, R. W. 1903 B, 59.
1904 B, 849.

HESPERORNIS Marsh. Type *H. regalis* Marsh.

Hay, O. P. 1902 A, 521.
Abel, O. 1912 F, 170, 676.
1920 A, 404.
1922 A, 144.
1922 C, 332, fig. 289.
Anonymous 1880 B, 458.
Arthaber, G. 1921 A, 34.
Baird, S. F. 1876 A, cciii.
Beddard, F. E. 1898 A, 541.
Beebe, C. W. 1915 B, 39.
Bigot, A. 1897 A, 467 (Hesperomis).
Boule, M. 1902 B, 910.
Brauns, D. 1890 A, 149.
Brown, B. 1909 A, 440.
1911 A, 401.
Burckhardt, R. 1902 A, 525.
Case, E. C. 1898 C, 819.
Chandler, A. C. 1916 C, 390, 391.
Dollo, L. 1896 A, 83.
Eastman, C. R. 1898 F, 138.
1904 D, 669.
Evans, A. H. 1899 A, 26.
Fejérváry, G. J. 1921 C, 11.
Fürbringer, M. 1888 A, pl. ii, fig. 4.
1902 B, 608, 632.
Gadow, H. 1893 A, 114.
Gaudry, A. 1896 A, 175.
1898 A, 127.
Grinnell, G. B. 1923 A, 336.
Hay, O. P. 1909 F, 94.
Heilmann, G. 1913 A, 27, 71.
1913 B, 44, 48.
1915 A, 116.
1916 A, 75.
1926 A, 205.
Heilprin, A. 1887 A, 330.
Hoernes, R. 1886 A, 635.
Huxley, T. H. 1876 F, 179.
Ihde, —— 1912 A, 251.
Jaekel, O. 1911 A, 174.
Kingsley, J. S. 1925 A, 48.
Knipe, H. R. 1912 A, 111, fig.
Knowlton, F. H. 1909 B, 56.
Koken, E. 1893 B, 428.
Lambrecht, K. 1921 A, 19.
Larger, R. 1913 A, 714.
Lee, Stone, Gale 1915 A, pl. v, fig. A.
Lemoine, V. 1889 A, 258.
Lucas, F. A. 1901 F, 490 (Hesperonis).
Lucas, F. A. 1901 J, 55, 83, fig. 16.
1902 B, 179.
1903 C, 195.
Lull, R. S. 1922 D, 383.
Lydekker, R. 1891 A, 205.
Marinelli, W. 1928 A, 156.
Matthew and Granger 1917 A, 309.
Mivart, St. G. 1888 A, 373.
Mudge, B. F. 1879 A, 226.
Newton, A. 1885 A, 43.
Newton, E. T. 1888 B, 439.
Newton and Gadow 1896 A, 1070.
Nopcsa, F. 1907 A, 229, 234.
1917 A, 206.
1924 B, 85.
Osborn, H. F. 1917 B, 230, fig.
Palacký, J. 1902 B, 143.
Parker, W. K. 1888 D, 469.
1888 B, 323.
1890 A, 2, 57.
Parker and Haswell 1897 A, 385, fig. 993.
Perrier, E. 1920 A, 223, 329.
Petronievics and Woodward 1916 A, 283.
Plieninger, F. 1907 A, 295.
Pycraft, W. P. 1900 A, 226, 260.
1900 B, 240.
1900 C, 1041.
1909 A, 204.
1910 A, 36, 385, fig. 11.
Reynolds, S. H. 1897 A, 299, 330, 333, 334, 338.
Schuchert and Levene 1927 A, 308.
Shufeldt, R. W. 1882 B, 326, fig. 6.
1903 B, 59, 60.
1904 A, 14, 34.
1909 A, 337.
1913 E, 394.
1915 A, 78.
1915 D, 11.
Simpson, G. G. 1926 I, 453.
Steinmann, G. 1907 A, 459, fig. 805.
1908 A, 216.
1909 A, 78.
Terra, P. 1911 A, 243, fig. 77.
Van Bemmelen, J. F. 1928 A, 291.
Van den Broeck, E. 1900 A, 76.
Vogt, C. 1879 A, 247.
Wallace, A. R. 1876 A, I, 164.
Wamich, P. 1913 A, 26.

Wetmore, A. 1928 A, 148.
Williston, S. W. 1879 A, 458.
1902 E, 252.
1925 A, 199.
Woodward, A. S. 1923 C, 86.
Woodward, H. 1904 B, 150.
Young, G. W. 1915 A, 263.
Zittel and Lucas 1902 A, 266.
Zittel and Schlosser 1911 A, 318.
1923 A, 385, 394.

Hesperornis crassipes Marsh.

Hay, O. P. 1902 A, 521.
Evans, A. H. 1899 A, 46.
Fürbringer, M. 1888 A, 157.
Gadow, H. 1893 A, 114.
Heilmann, G. 1913 A, 29, fig. 25.
Lambrecht, K. 1921 A, 19.
Lydekker, R. 1891 A, 209.
Shufeldt, R. W. 1904 A, 34.
1915 F, 292 (Lestornis).
Upper Cretaceous (Niobrara); Kansas.

Hesperornis montanus Shufeldt.

Shufeldt, R. W. 1915 F, 293, pl. xviii, figs. 4, 6, 8, 10, 12 (H. montana).
Lambrecht, K. 1921 A, 19 (H. montana).
Upper Cretaceous (Claggett); Montana.

Hesperornis regalis Marsh.

Hay, O. P. 1902 A, 521.
Abel, O. 1912 F, 177, 424, 676, figs. 114, 302.
1922 C, 328, figs. 287, 288, 292.
Anonymous 1880 B, 458.
Baird, S. F. 1876 A, cciii.
Boule, M. 1891 A, 23, fig. 7.
Evans, A. H. 1899 A, 46, fig. 13.
Fürbringer, M. 1888 A, 56, pls. ii, iv, v.
Heilmann, G. 1913 A, 26, 41, figs. 20-24, 26-32, 38, 39.
1914 A, 48, fig. 140.
Heilmann, G. 1916 A, 87, fig. 189.
1926 A, 205, many figures.
Hutchinson, H. N. 1910 A, 217, fig. 81, pl. xxxiv.
Jaekel, O. 1911 A, 174, fig. 191.
Knowlton, F. H. 1909 B, 57, figs. 20, 21.
1916 C, 493.
Lambrecht, K. 1921 A, 19.
Larger, R. 1913 A, 713.
Lewis, F. T. 1907 A, 658.
Lucas, F. A. 1902 B, 181. figures.
1903 A, 545, 548, figs. 3, 4.
1903 C, 95, pl. xxvii.
Lull, R. S. 1917 B, 537, pl. xv.
Lydekker, R. 1891 A, 205.
Merrill, G. P. 1907 A, 5.
Noack, T. 1880 A, 77.
1880 B, 89.
Schuchert, C. 1915 A, 907, figs. 490, 497.
Shufeldt, R. W. 1886 D, 356, 2 figs.
1903 B, 59.
1904 A, 32.
1915 A, 75, pl. ii.
1915 D, 21, pl. xv, fig. 129.
1915 F, 291, pl. xviii, figs. 3, 5, 7, 9, 11.
Steinmann, G. 1908 A, 224, fig. 133.
Sternberg, C. H. 1909 C, 265, fig. 41.
Williston, S. W. 1898 L, 30.
Woodward, A. S. 1923 C, 85, fig. 82.
Woodward, H. 1904 A, 146.
1904 D, 150.
Young, G. W. 1915 A, 250, fig. 19.
Zittel and Lucas 1902 A, 266, fig. 368.
Zittel and Schlosser 1911 A, 318, fig. 466.
1923 A, 385, fig. 499.
Upper Cretaceous (Niobrara); Kansas.

Hesperornis sp. indet.

Gilmore, C. W. 1915 G, 16. Upper Cretaceous (Claggett); Montana.

HARGERIA Lucas. Type *Hasperornis gracilis* Marsh.

Lucas, F. A. 1903 A, 552.
Hay, O. P. 1902 A, 521 (Hesperornis, part).
Lambrecht, K. 1921 A, 19.
Zittel and Schlosser 1911 A, 319.

Hargeria gracilis (Marsh).

Hay, O. P. 1902 A, 521 (Hesperornis).
Lambrecht, K. 1921 A, 19.
Lucas, F. A. 1902 B, 183 (Hesperornis).
1903 A, 545, figs. 1, 2 (Hesperornis); 552.
Upper Cretaceous (Niobrara); Kansas.

BAPTORNIS Marsh. Type *B. advenus* Marsh.

Hay, O. P. 1902 A, 522.
Beddard, F. E. 1898 A, 471.
Brown, B. 1909 A, 440.
1911 A, 401.
Fürbringer, M. 1902 B, 632.
Gadow, H. 1893 A, 118.
Newton and Gadow 1896 A, 280, 652.
Shufeldt, R. W. 1915 D, 11.
Van den Broeck, E. 1900 A, 76.
Zittel and Schlosser 1911 A, 318.
1923 A, 394.

Baptornis advenus Marsh.

Hay, O. P. 1902 A, 522.
Abel, O. 1919 A, 703.
1922 C, 337.
Forbes, H. O. 1900 A, 26 (B. addenus).
Lambrecht, K. 1921 A, 18.
Lucas, F. A. 1903 A, 553, figs. 6-8.
Shufeldt, R. W. 1915 D, 976, pl. i, figs. 1-16; pl. ii, fig. 12.
Wetmore, A. 1928 A, 150.
Upper Cretaceous (Niobrara); Kansas.

CONIORNIS Marsh. Type *C. altus* Marsh.

Hay, O. P. 1902 A, 522.
Forbes, H. O. 1900 A, 26 (Toniornis).
Fürbringer, M. 1902 B, 632.
Shufeldt, R. W. 1915 D, 13 (Syn. of Hesperornis).

Coniornis altus Marsh.

Hay, O. P. 1902 A, 522.
Gilmore, C. W. 1915 G, 16.
Hatcher, J. B. 1905 B, 99.
Lambrecht, K. 1921 A, 19 (Hesperornis).
Lydekker, R. 1896 E, 398.
Shufeldt, R. W. 1915 D, 13, 16, 76, pl. iii. figs. 22-24 (Coniornis, Hesperornis).
1915 F, 292.
Upper Cretaceous (Claggett); Montana.

Order RATITÆ Merrem.

Merrem, B. 1813, Tent. Syst. Aves., 259.
Hay, O. P. 1902 A, 522 (Dromæognathæ).
Anderson, R. J. 1909 B, 745.
Anthony, R. 1913 A, 252 ("ratites").
Arldt, T. 1907 D, 678.
Bardeleben, K. 1903 A, 28 ("ratiten").
Blatschke, F. 1904 A, 150 ("ratiten").
Burckhardt, R. 1902 A, 501 ("ratiten").
Chandler, A. C. 1916 C, 283.
Cope, E. D. 1891 N, 54.
Dabbene, R. 1910 A, figs. 35, 36 (Desmognathæ).
Eastman, C. R. 1898 F, 135.
Evans, A. H. 1899 A, 26.
Finn, F. 1894 A, 210 ("ratites").
1894 B, 453.
Fürbringer, M. 1902 B, 609.
Gadow, H. 1893 A, 90, 103.
Gegenbaur, C. 1871 A, 195 ("ratiten").
Gregory, W. K. 1916 C, 38 ("ratites").
Haeckel, E. 1868 A, 441.
1873 A, 512.
Heilmann, G. 1926 A, 207 ("ratites").
Howes and Swinnerton 1901 A, 2, 32.
Huene, F. 1926 B, 97 (Ratitidæ).
Huxley, T. H. 1867 C, 241.
1868 B, 357 (Ratitæ); 360 (Dromæognathæ).
1868 C, 312.
1868 D, 306.
Jaekel, O. 1911 A, 175.
Lambrecht, K. 1914 A, 61, 73.
Larger, R. 1913 A, 714 ("ratites").
Lebedinsky, N. G. 1914 A, 84 ("ratiten").
Lull, R. S. 1917 B, 294.
1922 D, 383.
Lydekker, R. 1879 A, 12, 26.
Matthew and Granger 1917 A, 312 (Desmognathæ).
Newton, A. 1885 A, 43.
Newton and Gadow 1896 A, 1080.
Nopcsa, F. 1907 A, 233.
O'Donohue, C. H. 1913 A, 465 ("dromœognathous").
Pander and Alton 1827 B, 13.
Parker, W. K. 1875 A, 699, 719.
1878 C, 215.
1888 A, 124 (Desmognathæ).
1888 B, 323.
1888 C, 397.
1888 D, 477.
Parker and Haswell 1897 A, 382.
Petronievics and Woodward 1916 A, 283 (Desmognathæ).
Pycraft, W. P. 1900 A, 266.
1902 B, 326 (Palæognathæ).
1910 A, 41 (Ratitæ); 45, 46 (Palæognathæ).
Reichenow, A. 1913 A, 69.
Reynolds, S. H. 1897 A, 553.
Sieglbauer, F. 1911 A, 265 ("ratiten").
Steiner, H. 1916 A, 493.
1918 A, 428, 494.
Van Bemmelen, J. F. 1928 A, 290 ("ratites").
Vialleton, L. 1916 A, 5 ("ratites").
Virchow, H. 1916 A, 212 ("strauss").
Wamich, P. 1913 A, 25 ("ratiten").
Woodward, A. S. 1923 C, 89.
Woodward, H. 1904 B, 152.
Wray, R. S. 1887 A, 350.
Young, G. W. 1915 A, 252 ("ratites").
Zittel and Lucas 1902 A, 268 (Desmognathæ).
Zittel and Schlosser 1911 A, 319 (Desmognathæ).
1923 A, 391.

At present no North American fossil birds are referred to the Ratitæ.

Order CARINATÆ Merrem.

Merrem, B. 1813, Tent. Syst. Aves., 258.
Hay, O. P. 1902 A, 523 (Euornithes).
Abel, O. 1920 A, 404.
Anthony, R. 1913 A, 255 (Carinates).
Arldt, T. 1907 D, 643.
Bardeleben, K. 1903 A, 28 ("carinaten").
Bittner, F. 1912 A, 4 ("carinaten").
Burckhardt, T. 1902 A, 509 ("carinaten").
Chandler, A. C. 1916 C, 283.
Cope, E. D. 1891 N, 55 (Euornithes).
Dabbene, R. 1910 A, 79.
Eastman, C. R. 1898 F, 135.
Evans, A. H. 1899 A, 46, 49 (Euornithes, Carinatæ).
Finn, F. 1894 A, 210 ("carinates").
Fürbringer, M. 1902 B, 607 (Euornithes).
Gadow, H. 1910 B, 977.
Garbowski, T. 1895 A ("carinaten").
Gegenbaur, C. 1871 A, 165 ("carinaten").
Gregory, W. K. 1916 C, 38 ("carinates").
Haeckel, E. 1868 A, 441.
1873 A, 512.
Heilmann, G. 1926 A, 148 ("carinates").
Hoernes, R. 1886 A, 637 (Euornithes).
Huene, F. 1908 F ("carinaten").
Huxley, T. H. 1867 C, 241, 247.
1868 B, 357.
1868 C, 312.
1868 D, 312.
Lambrecht, K. 1914 A, 61.
Lebedinsky, N. G. 1913 B, 195 ("carinaten").
1914 A, 88 ("carinaten").
Lull, R. S. 1906 B, 550.
1917 B, 295.
1922 D, 383 ("carinate birds").
Lydekker, R. 1879 A, 13, 26.
Matthew and Granger 1917 A, 312 (Euornithes).
Newton, A. 1885 A, 43.
Newton and Gadow 1896 A, 1062.
Nopcsa, F. 1907 A, 235 ("carinate").

O'Donoghue, C. H. 1913 A, 465.
Parker, W. K. 1875 A, 599, 721.
1887 B, 55.
1888 B, 323.
1888 C, 397.
1888 D, 467.
1890 A, 10.
Parker and Haswell 1897 A, 384.
Pycraft, W. P. 1900 A, 266.
1902 B, 325 (Neognathæ).
1910 A, 47 (Neognathæ).
Reynolds, S. H. 1897 A, 300, 334, 336.
Selenka, E. 1869 A.
Sieglbauer, F. 1911 A, 266 ("carinaten").
Stromer, E. 1912 A, 137.
Van Bemmelen, J. F. 1928 A, 290 ("carinates").
Vialleton, L. 1916 A, 5 ("carinates").
Wamich, P. 1913 A, 25 ("carinaten").
Woodward, A. S. 1923 C, 84.
Zittel and Lucas 1902 A, 271 (Euornithes).
Zittel and Schlosser 1911 A, 322 (Euornithes).
1923 A, 391 (Carinatæ); 397 (Euornithes).

Suborder ICHTHYORNITHIFORMES Fürbringer.

Fürbringer, M. 1888 A, 1542.
Unless otherwise indicated the writers, as quoted, use for this group the name Odontotormæ.
Hay, O. P. 1902 A, 519 (Odontotormæ, Pteropappi).
Abel, O. 1919 A, 697.
Anonymous 1880 B, 458.
Arldt, T. 1907 D, 669 (Odontormæ).
1912 A, 678.
Baird, S. F. 1876 A, ccii (Ichthyornithes, Odontotormæ).
Beddard, F. E. 1898 A, 469 (Ichthyornithes).
Boas, J. E. V. 1914 B, 573.
Branson, E. B. 1918 A, 92 ("toothed birds").
Case, E. C. 1898 C, 819.
Cope, E. D. 1891 N, 55 (Odontotormæ); 56 (Pteropappi).
Evans, A. H. 1899 A, 25, 48 (Ichthyornithes); 45 (Odontotormæ).
Fürbringer, M. 1888 A, 1141.
1902 B, 608, 627.
Gadow, H. 1893 A, 119, 299 (Ichthyornithes).
1910 B, 977 (Ichthyornithes).
Gill, T. 1881 A, 378.
Hoernes, R. 1886 A, 637.
Howes, G. B. 1894 A, 75.
1902 A, 524.
Huxley, T. H. 1880 C, 3 ("toothed birds").
Ihde, — 1912 A, 259 ("odontornithen").
Knowlton, F. H. 1909 B, 56 (Ichthyornithiformes).
Lambrecht, K. 1914 A, 62 (Ichthyornithes).
Lull, R. S. 1917 B, 322 (Ichthyornithes).
Lydekker, R. 1879 A, 25 (Odontotormæ, Odontormæ).
1891 A, 200.
Marsh, O. C. 1873 C, 162 (Ichthyornithes).
1875 D, 407 (Ichthyornithes).
1875 E, 630.
Newton and Gadow 1896 A, 1076.
Parker and Haswell 1897 A, 386.
Reynolds, S. H. 1897 A, 300.
Ridgway, R. 1901 A, 8.
Shufeldt, R. W. 1904 B, 850 (Ichthyornithiformes, Ichthyornithes).
Steiner, H. 1909 A, 339 (Ichthyornithiformes).
1918 A, 302, 492 (Ichthyornithes).
Steinmann, G. 1922 A, 239 ("zahnvögel").
Terra, P. 1911 A, 243 ("odontoformen").
Van den Broeck, E. 1900 A, 76.
Vialleton, L. 1916 A, 7.
Wamich, P. 1913 A, 20, 27 (Ichthyornithes).
Zittel and Lucas 1902 A, 267 (Odontormæ, Ichthyornithes).
Zittel and Schlosser 1911 A, 318 (Odontormæ).
1923 A, 394 (Odontormæ).

ICHTHYORNITHIDÆ Marsh.

Hay, O. P. 1902 A, 519 (Ichthyornithidæ); 520 (Apatornithidæ).
Arldt, T. 1907 D, 269.
Cope, E. D. 1891 N, 56.
Evans, A. H. 1899 A, 48.
Fürbringer, M. 1888 A, 1141.
Fürbringer, M. 1902 B, 629.
Lydekker, R. 1879 A, 25 (Ichthyornidæ).
1891 A, 201.
Shufeldt, R. W. 1904 B, 850 (Ichthyornithidæ, Apatornithidæ).
1913 C, 286.

ICHTHYORNIS Marsh. Type *I. dispar* Marsh.

Hay, O. P. 1902 A, 519.
Abel, O. 1920 A, 404.
1922 C, 335.
Anonymous 1880 B, 458.
Arthaber, G. 1921 A, 34.
Baird, S. F. 1876 A, cciii.
Beddard, F. E. 1898 A, 541.
Beebe, C. W. 1906 A, 3, 5, figs. 1, 2.
1915 B, 39.
Bigot, A. 1897 A, 467.
Boule, M. 1891 A, 24.
1902 B, 910.
Evans, A. H. 1899 A, 26.
Fürbringer, M. 1888 A, pl. iv.
1902 B, 608, 629.
Gaudry, A. 1896 A, 175.
1898 A, 127.
Grinnell, G. B. 1923 A, 336.
Heilmann, G. 1913 A, 21, 71.
1915 A, 116.
1916 A, 75.
1926 A, 205, fig. 104.
Heilprin, A. 1887 A, 330.
Hutchinson, H. N. 1910 A, 219, fig. 82.
Huxley, T. H. 1876 F, 179.
Ihde, — 1912 A, 251.
Knowlton, F. H. 1909 B, 59.
Koken, E. 1893 B, 428.
Lambrecht, K. 1916 C, 493.
Lankester, E. R. 1905 A, 237, fig. 173.

Lemoine, V. 1889 A, 258.
Leunis and Ludwig 1883 A, 325.
Lucas, F. A. 1902 B, 184.
Lull, R. S. 1922 D, 383.
Lydekker, R. 1879 A, 9.
Matthew and Granger 1917 A, 309.
Mudge, B. F. 1879 A, 226.
Newton, A. 1885 A, 43.
Newton and Gadow 1896 A, 1071.
Nopcsa, F. 1907 A, 234.
Osborn, H. F. 1917 B, 230.
Parker, W. K. 1888 B, 323.
1888 D, 469.
1890 A, 3, 57.
Pycraft, W. P. 1900 A, 260.
1900 B, 185.
1909 A, 204, fig.
1910 A, 36, fig. 36.
Reynolds, S. H. 1897 A, 330, 332, 335, 341.
Schuchert and Levene 1927 A, 307.
Shufeldt, R. W. 1903 B, 59.
1915 D, 39.
Simpson, G. G. 1926 I, 453.
Steiner, H. 1918 A, 316, 323, 441.
Steinmann, G. 1907 A, 457, fig. 802.
1908 A, 216, 223, fig. 132.
Sternberg, C. H. 1909 C, 269.
Van den Broeck, E. 1900 A, 76.
Wallace, A. R. 1876 A, 1, 164.
Wamich, P. 1913 A, 26.
Woodward, A. S. 1923 C, 86.
Wetmore, A. 1928 A, 150.
Zittel and Schlosser 1911 A, 319.
1923 A, 394.

Ichthyornis agilis Marsh.

Hay, O. P. 1902 A, 519.
Lambrecht, K. 1921 A, 48.
Shufeldt, R. W. 1915 D, 20, 76, pl. xiii, fig. 91 (Graculavus; indeterminable).
Upper Cretaceous (Niobrara); Kansas.

Ichthyornis anceps Marsh.

Hay, O. P. 1902 A, 519.
Lambrecht, K. 1921 A, 49.
Shufeldt, R. W. 1915 D, 19, 76, pl. xiii, fig. 93 (Graculavus; indeterminable).
Upper Cretaceous (Niobrara); Kansas.

Ichthyornis dispar Marsh.

Hay, O. P. 1902 A, 520.
Fürbringer, M. 1888 A, pl. iv.
Gaudry, A. 1896 A, 175, fig. 165.
Heilmann, G. 1913 A, 21, figs. 13, 17.
1913 B, 19, fig. 63.
1926 A, 28, 42, figs. 16, 25, 27, 106.
Lambrecht, K. 1921 A, 49.
Palmer, T. S. 1919 A, 657.
Parker, J. D. 1881 A, 8.
Seeley, H. G. 1887 G, 209.
Sternberg, C. 1881 B, 3.
Wamich, P. 1913 A, 13.
Wetmore, A. 1928 A, 150.
Williston, S. W. 1898 L, 30 (Colonosaurus mudgei).
Zittel and Lucas 1902 A, 267, figs. 370, 371.
Zittel and Schlosser 1911 A, 319, fig. 468.
1923 A, 394, fig. 501.
Upper Cretaceous (Niobrara); Kansas.

Ichthyornis tener Marsh.

Hay, O. P. 1902 A, 520.
Lambrecht, K. 1921 A, 49.
Upper Cretaceous (Niobrara); Kansas.

Ichthyornis validus Marsh.

Hay, O. P. 1902 A, 520.
Steiner, H. 1918 A, 302, fig. 25.
Upper Cretaceous (Niobrara); Kansas.

Ichthyornis victor Marsh.

Hay, O. P. 1902 A, 520.
Abel, O. 1922 C, 335, fig. 293.
Boule, M. 1891 A, 25, fig. 8.
Fürbringer, M. 1888 A, pl. vii.
Heilmann, G. 1913 A, 22, figs. 14-16, 19.
1926 A, 43, fig. 26.
Knowlton, F. H. 1909 B, 59, fig. 22.
Lambrecht, K. 1921 A, 49.
Seeley, H. G. 1887 G, 209.
Shufeldt, R. W. 1886 D, 357, fig.
Snow, F. H. 1887 A, 4.
Wetmore, A. 1928 A, 150.
Woodward, A. S. 1923 C, 86, fig. 83.
Woodward, H. 1904 B, 151.
Young, G. W. 1915 A, 250, fig. 20.
Zittel and Lucas 1902 A, 267, fig. 369.
Zittel and Schlosser 1911 A, 319, fig. 467.
1923 A, 394, fig. 500.
Upper Cretaceous (Niobrara); Kansas.

Ichthyornis sp. indet.

Snow, F. H. 1887 A, 4, fig. 1 (This genus?).
Upper Cretaceous (Dakota); Kansas.

Apatornis Marsh. Type *Ichthyornis celer* Marsh.

Hay, O. P. 1902 A, 520.
Anonymous 1880 B, 458.
Beddard, F. E. 1898 A, 535.
Fürbringer, M. 1888 A, 157, pls. iv, vii.
1902 B, 608, 629.
Heilmann, G. 1913 A, 25, fig. 18.
1913 B, 12, fig. 56.
1915 A, 116.
1916 A, 88.
1926 A, 203.
Reynolds, S. H. 1897 A, 330.
Shufeldt, R. W. 1915 D, 8, 39.
Van den Broeck, E. 1900 A, 76.

Apatornis celer Marsh.

Hay, O. P. 1902 A, 520.
Evans, A. H. 1899 A, 49.
Lambrecht, K. 1921 A, 50.
Shufeldt, R. W. 1915 D, 8 (Apatornis); 76 (Ichthyornis).
Wetmore, A. 1928 A, 150.
Upper Cretaceous (Niobrara); Kansas.

Suborder DIATRYMATIFORMES, new name.

Matthew and Granger 1917 A, 321 (Diatrymæ).
Sinclair, W. J. 1928 A, 65 (Diatrymæ).
Zittel and Schlosser 1923 A, 397 (Diatrymæ).

Family DIATRYMATIDÆ, new form.

Matthew and Granger 1917 A, 321 (Diatrymidæ).
Sinclair, W. J. 1928 A, 65 (Diatrimidæ).

DIATRYMA Cope. Type *D. giganteum* Cope.

Hay, O. P. 1902 A, 522.
Andrews, C. W. 1917 A, 469.
Anonymous 1923 B, 413.
Cockerell, T. D. A. 1923 C, 1.
Eastman, C. R. 1898 F, 136, 140.
Eastman, Gregory and Matthew 1917 A, 119.
Fürbringer, M. 1888 A, 1424, 1466.
1902 B, 616, 623, 631.
Gadow, H. 1910 B, 977.
Heilprin, A. 1887 A, 331.
Joleaud, L. 1920 A, 496.
Lambrecht, K. 1916 C, 494.
1921 A, 4.
Lucas, F. A. 1903 A, 556.
1908 A, 311.
Lydekker, R. 1896 E, 399.
Matthew, W. D. 1923 B, 109.
1923 C, 409.
Matthew and Granger 1917 A, 309, 321.
1917 B, 417.
Miller, L. H. 1912 A, 100.
Newton and Gadow 1896 A, 281, 908.
Perrier, E. 1920 A, 339.
Shufeldt, R. W. 1909 A, 337.
1913 C, 286.
1913 G, 411.
Sinclair, W. J. 1928 A, 51.
Zittel and Lucas 1902 A, 269, 273.
Zittel and Schlosser 1911 A, 323.
1923 A, 397.

Diatryma ajax Shufeldt.

Shufeldt, R. W. 1913 C, 287, pl. lii, figs. 4, 5; pl. liii, figs. 8, 9; pl. liv, figs. 13, 14.
Lambrecht, K. 1916 C, 495.
1921 A, 4.
Lydekker, R. 1914 A, 638.
Matthew and Granger 1917 A, 307, 322.
Shufeldt, R. W. 1913 G, 415, pl. ii.
1914 A, 248.
1915 D, 37, 38.
Lower Eocene (Wasatch); Wyoming.

Diatryma? filiferum Cockerell.

Cockerell, T. D. A. 1923 C, 4, fig. 1 (D. filifera).
Anonymous 1923 B, 413 (D. filifera).
Eocene (Green River); Colorado.

Diatryma giganteum Cope.

Hay, O. P. 1902 A, 522.
Abel, O. 1906 B, 457.
Andrews, C. W. 1917 A, 469.
Lambrecht, K. 1921 A, 4 (D. gigantea).
Lucas, F. A. 1903 A, 556.
Matthew and Granger 1917 A, 307, 322 (D. gigantea).
1917 B, 417 (D. gigantea).
Merrill, G. P. 1907 A, 5.
Shufeldt, R. W. 1909 A, 337 (D. gigantea).
1913 C, 287, 288, 303, pl. li; pl. lii, figs. 6, 7; pl. liii, figs. 11, 12; pl. liv, figs. 15, 16.
1913 G, 411, pls. i, ii (D. gigantea).
1914 A, 248 (D. gigantea).
1915 D, 34, pl. ii, fig. 16; pl. v, fig. 30 (D. gigantea).
Sinclair, W. J. 1928 A, 57.
Lower Eocene (Lower Wasatch); New Mexico.

Diatryma steini Matthew and Granger.

Matthew and Granger 1917 A, 310, 322, pls. xxxxxiii; text-fig. 1.
Anonymous 1916 B, 475, fig. 1 ("gigantic bird").
1917 B, 379.
1921 A, 324, fig.
Cockerell, T. D. A. 1923 C, 2.
Heilmann, G. 1926 A, 173, fig. 125.
Joleaud, L. 1920 A, 495, fig. 11.
Lambrecht, K. 1921 A, 4.
Matthew, W. D. 1918 B, 388 ("Diatryma").
1924 F, 119 ("Diatryma").
Matthew and Granger 1917 B, 417, 2 figs.
Sinclair, W. J. 1928 A, 51, 57.
Wetmore, A. 1926 E, 525.
1928 A, 151.
Lower Eocene (Lower Wasatch); Wyoming.

OMORHAMPHUS Sinclair. Type *O. storchii* Sinclair.

Sinclair, W. J. 1928 A, 51.

Omorhamphus storchii Sinclair.

Sinclair, W. J. 1928 A, 52, pls. i, ii; text-figs. 1-3.
Lower Eocene (Lower Gray Bull); Wyoming).

BARORNIS Marsh. Type *B. regens* Marsh.

Hay, O. P. 1902 A, 522.
Burckhardt, R. 1902 A, 525.
Lambrecht, K. 1916 C, 493.
Lydekker, R. 1896 E, 399.
Shufeldt, R. W. 1913 G, 414.
1915 D, 35 (Syn. of Diatryma).
Zittel and Schlosser 1923 A, 397 (Syn. of Diatryma).

Barornis regens Marsh.

Hay, O. P. 1902 A, 522.
Abel, O. 1906 B, 457.
Lambrecht, K. 1921 A, 4 (Diatryma).
Matthew and Granger 1917 A, 307, 322 (Barornis?).
Shufeldt, R. W. 1913 G, 416.
1915 D, 35, 76, pl. i, figs. 7-9; pl. v, fig. 32; pl. ix, fig. 68 (Diatryma).
Eocene?; New Jersey.

Suborder GAVIIFORMES.

Adolphi, H. 1922 A, 21 (Colymbiformes).
Gadow, H. 1910 B, 977 (Colymbi).
Pycraft, W. P. 1900 C, 1022 (Colymbi).
1906 A, 401 (Colymbi).
Sharpe, R. B. 1899, Hand-list of genera and species of birds, I, 115 (Colymbiformes).
Wetmore and Miller 1926 A, 340.

GAVIIDÆ Allen.

Allen, J. A. 1897 A, 312.
A. O. U. 1910 A, 24.
Bonaparte, C. L. 1838 B, 119 (Colymbinæ).
Brandt, J. F. 1840 A, 157 (Urinatores).
Carus, V. 1875 A, 365 (Colymbinæ).
Coues, E. 1884 A, 789 (Colymbidæ).
Fürbringer, M. 1888 A (Colymbidæ).
1902 B, 635 (Colymbidæ).
Gadow, H. 1893 A, 122 (Colymbidæ).
Huxley, T. H. 1867 A, 458 (Colymbidæ).
Huxley, T. H. 1867 B, 274 (Colymbidæ).
Knowlton, F. H. 1909 B, 100 (Gavidæ).
Owen, R. 1866 B, 25 ("loons").
Pycraft, W. P. 1900 C, 1019, 1042 (Colymbidæ, "divers").
Sharpe, R. B. 1891 A, 71 (Colymbiformes).
Shufeldt, R. W. 1904 A, 14 (Colymbidæ).
Steiner, H. 1916 A, 493 (Colymbidæ).
1918 A, 490 (Colymbidæ).
Wetmore and Miller 1926 A, 340.

GAVIA J. R. Forster. Type *Colymbus immer* Gunnerus.

Forster, J. R. 1788, Enchirid. Hist. Nat., 38.
Adolphi, H. 1922 A, 21, 22, figs. 12, 13 (Colymbus).
Aeby, C. 1873 A, 702 (Colymbus).
Allen, J. A. 1897 A, 312.
A. O. U. 1910 A, 24.
Coues, E. 1884 A, 789 (Colymbus).
Foote, J. S. 1916 A, 71, pl. vii.
Fürbringer, M. 1888 A, pls. ii, iii, v, vi, vii (Colymbus).
Heilmann, G. 1926 A, 204, figs. 34, 35, 39-43 (Colymbus).
Knowlton, F. H. 1909 B, 101.
Magnan, A. 1922 A, pl. ix.
Miller, L. H. 1914 A, 33.
1925 B, 90.
Owen, R. 1866 B, fig. 34 (Colymbus).
Pycraft, W. P. 1900 C, 1019, 1020, pl. lxxii, fig. 2; text-fig. 1 (Colymbus septentrionalis).
Ridgway, R. 1887 A, 6, pl. ii (Urinator).
Selenka, E. 1869 A, pl. xiii, fig. 5 (Colymbus).
Steiner, H. 1918 A, 306 (Colymbus).
Sundevall, C. J. 1886 A, 406 (Colymbus).
Taschenberg, O. 1899 A, 4004 (Colymbus).

Gavia immer (Brünnich).

Brünnich, M. T. 1764, Ornith. borealis, 38 (Colymbus).
A. O. U. 1910 A, 24.
Coues, E. 1884 A, 789, figs. 529, 530 (Colymbus torquatus).
Gegenbaur, C. 1871 A, 178 (Colymbus).
Hay, O. P. 1927 D, 172.
Knowlton, F. H. 1909 B, 102, fig. 31.
Miller, L. H. 1914 A, 33 (This species?).
Recent; Northern part of northern hemisphere: Pleistocene (San Pedro); California.

Gavia pusilla Shufeldt.

Shufeldt, R. W. 1915 D, 70, pl. xiii, fig. 106.
Lambrecht, K. 1921 A, 21.
Geological level unknown; Wyoming.

Gavia sp. indet.

Hay, O. P. 1927 D, 172. Pleistocene; California.
Lambrecht, K. 1921 A, 21.
Miller, L. H. 1914 A, 33. Pleistocene (San Pedro); California.
1921 C, 130. Pleistocene (Early); California.

Suborder COLYMBIFORMES, name with new signification.

Hay, O. P. 1902 A, 523 (Cecomorphæ, in part; Colymboidea).
Abel, O. 1919 A, 703 (Colymbiformes).
A. O. U. 1910 A, 21 (Pygopodes).
Arldt, T. 1907 D, 675 (Podicipitiformes).
Beddard, F. E. 1896 A, 540 (Colymbi).
Carus, V. 1875 A, 362 (Urinatores, in part).
Chandler, A. C. 1916 C (Colymbiformes).
Clark, H. L. 1901 A, 375 ("colymbiform").
Coues, E. 1868 A, 10 (Pygopodes).
1884 A, 787 (Pygopodes).
Dabbene, R. 1910 A, 485 (Podicipediformes).
Evans, A. H. 1899 A, 49 (Colymbiformes).
Fürbringer, M. 1888 A (Podicipitiformes).
1902 B, 633, 649 (Podicipediformes).
Gadow, H. 1893 A, 120 (Colymbiformes).
1910 B, 977 (Podicipedes).
Illiger, C. 1811 A, 281 (Pygopodes).
Jaekel, O. 1911 A, 178 (Colymbomorphæ).
Knowlton, F. H. 1909 B, 100 (Colymbiformes).
Lambrecht, K. 1914 A, 62, 73.
Lydekker, R. 1891 A, 19 (Pygopodes).
Newton, A. 1885 A, 45 (Pygopodes).
Newton and Gadow 1896 A, 1080 (Pygopodes).

Parker, W. K. 1888 D, 469 ("pygopods").
Pycraft, W. R. 1900 A, 226 (Pygopodes).
1900 C, 1018 (Pygopodes).
Seebohm, H. 1888 A, 422 (Colymbo-Podicipes).
Sharpe, R. B. 1899, Hand-list gen., spec. birds, I, 113 (Podicipedidiformes).
Shufeldt, R. W. 1894 A, 34 (Pygopodes).
1903 B, 59 (Pygopoformes).
Shufeldt, R. W. 1904 A, 13 (Pygopodes); 14 (Podicipitiformes); 13, 45 (Podicipoidea).
1904 B, 849 (Pygopoformes); 850 (Colymbo-Podicipitiformes, Podicipoidea).
Steiner, H. 1918 A, 304, 441, 490.
Vialleton, L. 1916 A, 7 (Pygopodes).
Wetmore and Miller 1926 A, 340.
Zittel, K. A. 1890 A, 838 (Podicipitiformes).

COLYMBIDÆ Vigors.

Vigors, N. A. 1825 A, 498.
Hay, O. P. 1902 A, 523.
Allen, J. A. 1893 B, 105 (Podicipidæ).
Arldt, T. 1907 D, 269, 317 (Colymbidæ); 675 (Podicipidæ).
1912 A, 756.
Beddard, F. E. 1896 A, 542 (Podicipedidæ).
Bonaparte, C. L. 1832 A, 312 (Podicepinæ).
1838 B, 119 (Podicipinæ).
Brandt, J. F. 1840 A, 198, 211 (Podicipidæ).
Carus, V. 1875 A, 365 (Podicipinæ).
Coues, E. 1884 A, 792 (Podicipedidæ).
Evans, A. H. 1899 A, 49 (Podicipedidæ).
Fürbringer, M. 1902 B, 635 (Podicipedidæ).
Gadow, H. 1893 A, 123 (Podicipedidæ).
Garrod, A. H. 1873 C, 38 (Podicipidæ).
1874 A, 117, 122 (Podicipidæ).
Hesse, H. 1907 A, 200.
Huxley, T. H. 1867 A, 430, 458.
Knowlton, F. H. 1909 B, 103 (Podicipedidæ).
Lebedinsky, N. G. 1913 A (Podicipedidæ).
Leunis and Ludwig 1883 A, 513.
Lobley, J. L. 1908 A, 202.
Newton and Gadow 1896 A, 381, 917 (Podicipedidæ).
Parker, W. K. 1888 D, 469 ("grebes").
1890 A, 2, 57 (Podicipedidæ).
Pycraft, W. P. 1900 C, 1042 (Podicipedidæ).
1910 A, 48.
Rosenberg, F. T. 1911 A, 199.
Seebohm, H. 1888 A, 433 (Podicipes).
Shufeldt, R. W. 1904 B, 850 (Podicipidæ).
1905 A, 14.
Steiner, H. 1916 A, 493 (Podicipedidæ).
1918 A, 490 (Podicipedidæ).
1922 A, 327.
Wallace, A. R. 1876 A, II, 366 (Podicipidæ).
Wetmore and Miller 1926 A, 340.

COLYMBUS Linnæus. Type *C. cristatus* Linnæus.

Linnæus, C. 1758 A, 135.
Hay, O. P. 1902 A, 523.
Allen, J. A. 1893 B, 99, 105.
A. O. U. 1910 A, 21.
Beddard, F. E. 1898 A, 545 (Podicipes).
Bittner, F. 1912 A, 5 (Podiceps).
Brandt, J. F. 1840 A, 92, 154, 157, 177, 197, 199, 203, pl. xi (Podiceps).
Braüns, D. 1890 A, 201.
Diethelm, M. 1907 A, 41 (Podiceps).
DuToit, P. J. 1913 A, 250 (Podiceps).
Eimer, G. H. T. 1901 A, 232 (Podiceps).
Evans, A. H. 1899 A, 52 (Podicipes).
Eyton, T. C. 1867 A, 214, pl. ii L; pl. xl, fig. 1 (Podiceps).
Gegenbaur, C. 1871 A, 178 (Podiceps).
Giebel, C. G. 1855 B, 33.
Heilmann, G. 1913 A, 32, fig. 28 (Podicipes).
1914 A, 69 (Podicipes).
Hesse, H. 1907 A, 201, pl. x, figs. 12, 18.
Kessler, K. T. 1841 A, 663, 688 (Podiceps).
Knowlton, F. H. 1909 B, 106 (Lophœthyia).
Lambrecht, K. 1914 A, 62, pl. viii, fig. 2.
Leunis and Ludwig 1883 A, 514 (Podiceps).
Lühder, W. 1871 A, 324 (Podiceps).
Magnan, A. 1922 A, 170, pl. x.
Meckel, J. F. 1825 A (Podiceps).
Newton and Gadow 1896 A, 1079 (Podiceps).
Owen, R. 1868 A, 902 (Podiceps).
Parker, W. K. 1888 D, 469 (Podiceps).
Pycraft, W. P. 1900 C, 1018, 1038, 1043, pl. lxxii, figs. 1, 4, 5; text-figs. 1-3.
Ridgway, R. 1887 A, 5.
Rosenberg, F. T. 1911 A, 201, figs. 1, 5, 6.
Selenka, E. 1869 A, 28 (Podiceps).
Steiner, H. 1918 A, 306, fig. 26 (Podiceps).
1922 A, 310.
Sundevall, C. J. 1886 A, 400 (Podiceps).
Wagner, R. 1843 A (Podiceps).
Weitzel, A. 1865 A, 339.
Wyman, J. 1867 B, 270, fig. 13 ("grebe").

Colymbus auritus Linnæus.

Linnæus, C. 1758 A, 135.
Hay, O. P. 1902 A, 523.
A. O. U. 1910 A, 22.
Brandt, J. F. 1840 A, 161, pl. xiv (Podiceps).
Coues, E. 1884 A, 795 (Podicipes).
Evans, A. H. 1899 A, 53 (Podicipes).
Hay, O. P. 1927 D, 244.
Knowlton, F. H. 1909 B, 105, fig. 32.
Miller, L. H. 1912 A, 80, 112.
Ridgway, R. 1887 A, 5.
Rosenberg, F. T. 1911 A, 203.
Shufeldt, R. W. 1904 A, 24, fig. 2.
1913 B, 128, 135, pl. xiv, fig. 115; pl. xxxviii, figs. 441, 448.
Recent; northern part of northern hemisphere: Pleistocene (Fossil Lake); Oregon.

Colymbus holbœlii (Reinh.).

Reinhardt, J. T. 1853, Vidensk. Medd., 76.
Hay, O. P. 1902 A, 523.
A. O. U. 1910 A, 22.
Coues, E. 1884 A, 795 (Podicipes griseigena h.).
Hay, O. P. 1927 D, 244.
Miller, L. H. 1912 A, 80, 112.
Ridgway, R. 1887 A, 5.
Shufeldt, R. W. 1904 A, 14.
1913 B, 128, pl. ix, fig. 8; pl. x, fig. 34; pl. xiii, figs. 97, 101; pl. xiv, figs. 110 (This species?), 113, 114, 116, 127, 128; pl. xv, figs. 129-148.
Recent; North America and eastern Asia: Pleistocene (Fossil Lake); Oregon.

Colymbus nigricollis californicus (Heermann).

Heermann, A. L. 1854, Proc. Acad. Nat. Sci. Phila. 1854, 179 (Podiceps californicus).
Hay, O. P. 1902 A, 523 (C. nigricollis).
A. O. U. 1910 A, 22.
Coues, E. 1884 A, 796 (Podicipes auritus c.).
Evans, A. H. 1899 A, 53 (Podicipes nigricollis).
Hay, O. P. 1927 D, 244.
Knowlton, F. H. 1909 B, 105 (Dytes).
Miller, L. H. 1912 A, 80, 112.
Rosenberg, F. T. 1911 A, 201 (Colymbus nigricollis).
Shufeldt, R. W. 1904 A, 21, fig. 1.
1913 B, 128, 135, pl. xxxviii, figs. 442-447, 450-457, 463.
Recent; western North America: Pleistocene (Fossil Lake); Oregon.

Colymbus oligoceanus Shufeldt.

Shufeldt, R. W. 1915 D, 54.
Lambrecht, K. 1921 A, 20 (C. oligocænus).
Oligocene? (John Day); Oregon.

Colymbus parvus Shufeldt.

Shufeldt, R. W. 1913 B, 136, pl. xxxix, figs. 474-477, 481-483.
Lambrecht, K. 1921 A, 20.
Shufeldt, R. W. 1913 F, 307.
Pleistocene (Fossil Lake); Oregon.

Colymbus sp. indet.

Hay, O. P. 1927 D, 136, 185. Pleistocene; Arizona, California.
Miller, L. H. 1925 B, 71 (This genus?). Pleistocene (La Brea); California.
Wetmore, A. 1924 A, 2. Pliocene? (San Pedro Valley); Arizona.

ÆCHMOPHORUS Coues. Type *Podiceps occidentalis* Lawrence.

Hay, O. P. 1902 A, 524.
Allen, J. A. 1893 B, 105, 130.
A. O. U. 1910 A, 21.
Beddard, F. E. 1896 A, 538, fig. 1.
1898 A, 535.
Newton and Gadow 1896 A, 1079 (Podicipes).
Pycraft, W. P. 1900 C, 1020, 1043.
Ridgway, R. 1887 A, 4, pl. i.
Shufeldt, R. W. 1882 B, 327, fig. 3 (Podiceps).
1904 A, 18.

Æchmophorus lucasi L. H. Miller.

Miller, L. H. 1911 A, 83, figs. 1-3.
Hay, O. P. 1927 D, 244.
Miller, L. H. 1912 A, 81, 112.
Shufeldt, R. W. 1913 B, 133, pl. ix, figs. 10, 15; pl. x, figs. 32, 33; pl. xviii, figs. 182, 183.
Pleistocene (Fossil Lake); Oregon.

Æchmophorus occidentalis (Lawrence).

Lawrence, G. N. 1858, Rep. Surv. R. R. Pacif., ix, 894 (Podiceps).
Hay, O. P. 1902 A, 524.
A. O. U. 1910 A, 21.
Chandler, A. C. 1916 C, 300.
Cope, E. D. 1878 II, 125 (Podiceps).
Hay, O. P. 1927 D, 207, 208, 209, 244.
Lawson, A. 1914 A, 15 (Æchmothorus).
Merriam, J. C. 1914 D, 15 (Æchmothorus).
Miller, L. H. 1912 A, 80, 82, 85, 112.
Osborn, H. F. 1910 B, 460 (Podiceps).
Ridgway, R. 1887 A, 4.
Shufeldt, R. W. 1904 A, 18.
1913 B, 128, pl. ix, fig. 14; pl. x, fig. 35; pl. xi, fig. 53; pl. xii; pl. xiii (fig. 92 This species?); pl. xiv, figs. 103-109, 111, 112, 117, 118-124, 126, 128; pl. xv, figs. 129-148; pls. xvi, xvii; pl. xviii, fig. 181.
Recent; western North America: Pleistocene (Fossil Lake); Oregon: (Rodeo): California.

PODILYMBUS Lesson. Type *Colymbus podiceps* Linnæus.

Hay, O. P. 1902 A, 524.
Allen, J. A. 1893 B, 99.
A. O. U. 1910 A, 23.
Beddard, F. E. 1896 A, 540 (Podicipes).
Chandler, A. C. 1916 C, 300.
Dabbene, R. 1910 A, 200.
Lebedinsky, N. G. 1913 B, 193 (Podiceps).
Owen, R. 1866 B (Podiceps).
Parker, W. K. 1888 D, 469.
Ridgway, R. 1887 A, 4, 6, pl. i.
Selenka, E. 1869 A, pl. ix, figs. 4, 5; pl. xiii, fig. 6; pl. xv, fig. 11; pl. xvii, fig. 17 (Podiceps).
Weitzel, A. 1865 A, 339 (Podiceps).

Podilymbus magnus Shufeldt.

Shufeldt, R. W. 1913 B, 136; pl. xxxviii, figs. 439, 440, 449.
1913 F, 307.
Pleistocene (Fossil Lake); Oregon.

Podilymbus podiceps (Linnæus).

Hay, O. P. 1902 A, 524.
A. O. U. 1910 A, 23.
Chandler, A. C. 1916 C, 300.
Cope, E. D. 1878 II, 125.
Dabbene, R. 1910 A, 200 (Podylymbus).
Hay, O. P. 1927 D, 198, 244.
Miller, L. H. 1912 A, 80, 112.
1925 A, 312.
Osborn, H. F. 1925 D, 542.
Ridgway, R. 1887 A, 6.
Shufeldt, R. W. 1904 A, 14, 19.
1913 B, 128, 135, pl. xxxviii, figs. 458, 462.
Recent; North and South America: Pleistocene (Fossil Lake); Oregon.

Suborder PROCELLARIIFORMES Fürbringer.

Fürbringer, M. 1888 A, 1544.
Adolphi, H. 1922 A, 33.
Allen, J. A. 1893 B, 106 (Tubinares).
A. O. U. 1910 A, 48 (Tubinares).
Arldt, T. 1907 D, 687 (Tubinares).
1912 A, 686, 687.
Brandt, J. F. 1840 A, 154, 168 (Tubinares).
Carus, V. 1875 A, 357 (Longipennes).
Chandler, A. C. 1916 C.
Coues, E. 1884 A, 773 (Tubinares).
Dabbene, R. 1910 A, 486.
Evans, A. H. 1899 A, 59 (Procellariiformes, Tubinares).
Forbes, W. A. 1881 B, 671 (Tubinares).
1882 C, 548 (Tubinares).
1882 D, 1, 4, 54 (Tubinares).
Fürbringer, M. 1888 A, 1162 (Tubinares).
1902 B, 644.
Gadow, H. 1893 A, 129.
1910 B, 977.
Illiger, C. 1811 A, 273 (Tubinares).
Knowlton, F. H. 1909 B, 107.
Lambrecht, K. 1914 A, 64, 73.
Lebedinsky, N. G. 1913 A.
1918 A, 40.
Lebedinsky, N. G. 1918 B, 145.
Leunis and Ludwig 1883 A, 502 (Longipennes).
Loomis, L. M. 1923 A, 600 (Tubinares).
Lull, R. S. 1917 B, 322 (Tubinares).
Lydekker, R. 1891 A, 184 (Tubinares).
Mivart, St. G. 1892 A, 276 (Tubinares).
Newton and Gadow 1896 A, 1086 (Tubinares).
Parker, W. K. 1875 A, 700, 712, 713 (Dysporomorphæ).
Pycraft, W. P. 1899 A, 381 (Tubinares).
1900 C, 1023 (Tubinares).
Reinhardt, J. 1874 B, 139 (Tubinares).
Seebohm, H. 1888 A, 422, 423, 431 (Tubinares).
Sharpe, R. B. 1891 A, 71.
Shufeldt, R. W. 1888 E (Tubinares).
1904 B, 850 (Procellariiformes, Tubinares).
1907 A, 109, 122 (Procellariiformes, Tubinares).
Steiner, H. 1916 A, 493 (Tubinares).
1918 A, 311, 441, 490.
1922 A, 327 (Tubinares).
Stejneger, L. 1907 B, 281 (Tubinares).
Sundevall, C. J. 1886 A, 405 (Gaviæ).
Wetmore and Miller 1926 A, 340.
Zittel, K. A. 1890 A, 843 (Tubinares).

Superfamily PROCELLARIOIDÆ, new form.

Hay, O. P. 1902 A, 526 (Procellaroidea).
Brandt, J. F. 1840 A, 154, 168 (Tubinares).
Huxley, T. H. 1867 A, 457 (Cecomorphæ, in part).
Parker, W. K. 1875 A, 699 (Cecomorphæ, in part).
Reichenow, A. 1913 A, 93 (Procellaridæ).
Steiner, H. 1916 A, 493 (Tubinares).
Vialleton, L. 1916 A, 7 (Tubinares).

DIOMEDEIDÆ Shufeldt.

Shufeldt, R. W. 1904 B, 850.
A. O. U. 1910 A, 48.
Carus, V. 1875 A, 360 (Diomedeinæ).
Coues, E. 1884 A, 774 (Diomedeinæ).
Forbes, W. A. 1881 B, 671 (Diomedeinæ).
1882 C, 548 (Diomedeinæ).
Fürbringer, M. 1888 A, 1163 (Diomedeinæ).
1902 B, 645.
Gadow, H. 1893 A, 129 (Diomedeinæ).
Gray, G. R. 1840 A, 78 (Diomedinæ).
Knowlton, F. H. 1909 B, 107.
Loomis, L. M. 1923 A, 600.
Reichenow, A. 1913 A, 95 (Diomedinæ).
Ridgway, R. 1887 A, 50.
Stejneger, L. 1885 A, 85 (Diomedidæ).
Wetmore and Miller 1926 A, 340.

DIOMEDEA Linnæus. Type *D. exulans* Linnæus.

Linnæus, C. 1758 A, 132.
Abel, O. 1922 C, 328.
Adolphi, H. 1922 A, 33, fig. 14.
Aeby, C. 1873 A, 702.
Andrews, C. W. 1916 B, 524, fig. 4.
Bignon, F. 1889 A, 275, pl. xii.
Brandt, J. F. 1840 A, 85, 86, 168, 195, pl. i, figs. 1-4.
Coues, E. 1884 A, 774.
Cuvier, G. 1805 A.
Döderlein, L. 1923 A, 142, 162.
Forbes, W. A. 1882 C, 548.
1882 D, 5, 12, 44, pls. ii-iv.
Fürbringer, M. 1888 A, pls. ii, v, vii.
1902 B, 645.
Gadow, H. 1893 A, 129.
Heilmann, G. 1926 A, 204, fig. 76 (Diomeda).
Hesse, H. 1907 A, 201, pl. vi, fig. 3.
Huxley, T. H. 1867 A, 431, fig. 13.
1867 C, 253, fig. 13.
Knowlton, F. H. 1909 B, 109.
Köstlin, O. 1844 A.
Leunis and Ludwig 1883 A, 503.
Lilienthal, G. 1917 A, 271 ("albatross").
Loomis, L. M. 1923 A, 600.
Lüdher, W. 1871 A, 325.
Lydekker, R. 1891 A, 189.
Magnan, A. 1922 A, 177, pls. ii, ix, xii, xiv.
Magnus, H. 1871 A, 60.
Newton, E. T. 1891 A, 85, pl. ix, figs. 1, 2.
Newton and Gadow 1896 A, 1066.
Owen, R. 1866 B.
1878 E, 125, pl. vi.
1880 B, 25.
Pycraft, W. P. 1900 C, 1025.
Reichenow, A. 1913 A, 96.
Reinhardt, J. 1874 B, 139, figs. 1, 2.
Ridgway, R. 1887 A, 50, pl. xiii.
Schauinsland, H. 1903 A, 56, pls. xxxii-xxxv.
Selenka, E. 1869 A, pls. iii, viii.
Steiner, H. 1918 A, 311.
Stejneger, L. 1885 A, 86.

Sundevall, C. J. 1886 A, 405.
Weitzel, A. 1865 A, 341, 356.

Diomedea nigripes Audubon.

Audubon, J. J. L. 1839, Ornith. Biog., v, 327.
A. O. U. 1910 A, 48.
Coues, E. 1884 A, 775.
Hay, O. P. 1927 D, 172.
Miller, L. H. 1914 A, 34 (This species?).
Stejneger, L. 1885 A, 86.
Recent; Alaska to western Mexico: Pleistocene (San Pedro); California.
Not included in L. H. Miller's later lists.

PROCELLARIIDÆ Bonaparte.

Bonaparte, C. L. 1840 A, 277 (Procellaridæ).
Hay, O. P. 1902 A, 526.
A. O. U. 1910 A, 50.
Arldt, T. 1907 D, 676.
1912 A, 710 (Procellaridæ).
Boie, F. 1826 A, col. 980 (Procellaridæ).
Cuvier, G. 1805 A (Procellaria).
Dabbene, R. 1910 A, 486.
Edgeworth, F. H. 1907 A, 546 (Procellaria).
Evans, A. H. 1899 A, 59.
Forbes, W. A. 1881 B, 671.
1882 D, 42, 47, 55.
Fürbringer, M. 1902 B, 644.
Gadow, H. 1893 A, 129 (Procellariinæ).
Garrod, A. H. 1873 C, 38.
1873 D, 641.
1874 A, 117, 120.
Gervais, P. 1856 A, 13 ("procellaridés").
Giebel, C. G. 1855 A, 33 (Procellaria).
Hesse, H. 1907 A, 201.
Hoernes, R. 1886 A, 641.
Huxley, T. H. 1867 A, 455, 458.
Huxley, T. H. 1867 C, 251, 271, 274.
Kessler, K. T. 1841 A, 666 (Longipennes).
Knowlton, F. H. 1909 B, 110.
Lebedinsky, N. G. 1913 A.
Leunis and Ludwig 1883 A, 503.
Lobley, J. L. 1908 A, 202, 207.
Loomis, L. M. 1923 A, 600.
Lühder, W. 1871 A, 324 (Procellaridæ).
Lydekker, R. 1891 A, 185.
Newton and Gadow 1896 A, 708.
Parker, W. K. 1888 D, 470 (Procellaridæ).
1890 A, 3.
Pycraft, W. P. 1900 C, 1026 (Procellaria).
Reichenow, A. 1913 A, 104 (Hydrobatinæ).
Reinhardt, J. 1874 B, 139.
Ridgway, R. 1887 A, 50, 53 (Procellariidæ).
Shufeldt, R. W. 1904 B, 850.
1907 A, 122.
Steiner, H. 1918 A, 311, 490 (Procellariinæ).
Taschenberg, O. 1899 A, 4251.
Wallace, A. R. 1876 A, II, 365.
Wetmore and Miller 1926 A, 340 (Hydrobatidæ).

PUFFININÆ Bonaparte.

A. O. U. 1910 A, 50 (Fulmarinæ); 52 (Puffininæ).
Carus, V. 1875 A, 361 (Puffineæ).
Knowlton, F. H. 1909 B, 116.
Shufeldt, R. W. 1907 A, 113, 122 (Puffinidæ); 122 (Puffininæ).
Wetmore and Miller 1926 A, 340.

PUFFINUS Brisson. Type *Procellaria puffinus* Brünnich.

Brisson, M. J. 1760, Ornith., VI, 130.
Hay, O. P. 1902 A, 526.
A. O. U. 1910 A, 52.
Brandt, J. F. 1840 A, 85, 87, 169, 195, pl. i, figs. 5-7.
Evans, A. H. 1899 A, 66.
Forbes, W. A. 1882 D, 5, 43, pl. ii.
Fürbringer, M. 1888 A, pl. iii.
Giebel, C. G. 1855 B, 32.
Knowlton, F. H. 1909 B, 117.
Leunis and Ludwig 1883 A, 505.
Lydekker, R. 1891 A, 185.
Magnan, A. 1922 A, 167.
Newton and Gadow 1896 A, 1080.
Pycraft, W. P. 1900 C, 1021.
Reichenow, A. 1913 A, 101, fig. 78.
Ridgway, R. 1887 A, 55, 58, pl. xvi.
Shufeldt, R. W. 1907 A, 113, 115, fig. 1.
Taschenberg, O. 1899 A, 4259.
Weitzel, A. 1865 A, 341.

Puffinus conradi Marsh.

Hay, O. P. 1902 A, 526.
Case, E. C. 1904 D, 60, pl. xxvi, figs. 3, 4.
Lambrecht, K. 1921 A, 42.
Shufeldt, R. W. 1915 D, 62, 76, pl. viii, figs. 63, 64.
Wetmore, A. 1926 D, 463.
Lower Miocene (Chesapeake); Maryland.

Puffinus diatomaticus Miller.

Miller, L. H. 1925 C, 111, pls. 1, 2, 7*a*.
Wetmore, A. 1928 A, 153.
Miocene (Temblor); California.

Puffinus opisthomelas Coues.

Coues, E. 1864, Proc. Acad. Nat. Sci. Phila., 1864, 139.
Hay, O. P. 1927 D, 172.
Knowlton, F. H. 1909 A, 117.
Miller, L. H. 1914 A, 35.
1928 A, 120.
Recent; Pacific Ocean: Pleistocene (San Pedro); California.

Puffinus sp. indet.

Marsh, O. C. 1870 A, 213 (P. conradi, part; right ulna). Miocene; Maryland.
Miller, L. H. 1921 C, 129 ("shearwater"). Miocene (Lompoc diatom bed); California.
Wetmore, A. 1926 D, 462. Miocene; Maryland.

FULMARUS Stephens. Type *Procellaria glacialis* Linnæus.

Stephens, J. F. 1826, Gen. Zool., XIII, pt. 1, 233.
A. O. U. 1910 A, 50.
Forbes, W. A. 1882 D, 5, 48, pl. vii.
Fürbringer, M. 1888 A, pls. ii-v (Fulmaria).
Knowlton, F. H. 1909 B, 114.
Leunis and Ludwig 1883 A, 504.
Loomis, L. M. 1923 A, 600.
Newton and Gadow 1896 A, 295.
Reichenow, A. 1913 A, 99.
Taschenberg, O. 1899 A, 4064.

Fulmarus glacialis Linnæus.

Linnæus, C. 1761, Fauna Suecica, d. 2, 61.
Miller, L. H. 1928 A, 120.
Wetmore, A. 1926 D, 465 (This species?).
Miocene; Maryland.

Fulmarus glacialis glupischa Stejneger.

Stejneger, L. 1884, Auk., I, 234.
A. O. U. 1910 A, 50.
Hay, O. P. 1927 D, 172 (F. glacialis).
Miller, L. H. 1914 A, 35 (F. glacialis).
Pleistocene (San Pedro); California.

Fulmarus sp. indet.

Wetmore, A. 1926 D, 464. Miocene; Maryland.

Suborder PELECANIFORMES Sharpe.

Sharpe, R. B. 1891 A, 76.
Lebedinsky, N. G. 1913 A.
Reichenow, A. 1913 A, 120 (Steganopides).
Shufeldt, R. W. 1904 B, 850.
Wetmore, A. 1928 E, 4.
Wetmore and Miller 1926 A, 340.
See citations under Pelecanoidæ.

Superfamily PELECANOIDÆ, new form.

Unless otherwise indicated the writers, as quoted below, employ for this group the name Steganopodes.

Hay, O. P. 1902 A, 532.
Adolphi, H. 1922 A, 37.
Allen, J. A. 1893 B, 106.
A. O. U. 1910 A, 59.
Arldt, T. 1907 D, 682.
1912 A, 686, 687.
Beddard, F. E. 1898 A, 402.
Blainville, H. M. D. 1821 A, 212 ("palmipèdes").
Brandt, J. F. 1836 A, 403 ("stéganopodes").
Carus, V. 1875 A, 353.
Chandler, A. C. 1916 C, 307.
Cope, E. D. 1891 N, 57, 60.
Evans, A. H. 1899 A, 70.
Finn, F. 1894 A, 210.
1894 B, 455.
Forbes, W. A. 1881 B, 671.
Fürbringer, M. 1888 A (Steganopodes).
1902 B, 642.
Gadow, H. 1893 A, 132.
Garrod, A. H. 1873 D, 635.
1874 A, 122.
Heilmann, G. 1913 A, 63.
Hilzheimer, M. 1913 A, 517.
Huxley, T. H. 1867 A, 461 (Disporomorphæ).
1867 C, 278 (Dysporomorphæ).
Illiger, C. 1811 A, 278.
Knowlton, F. H. 1909 B, 121.
Lambrecht, K. 1914 A, 64.
Leunis and Ludwig 1883 A, 498.
Lull, R. S. 1917 B, 322.
Lydekker, R. 1891 A, 36.
Miller, W. D. 1924 A, 1 (Steganopodes).
Newton and Gadow 1896 A, 1084.
Pycraft, W. P. 1900 C, 1033.
1902 A, 282.
1902 B, 324.
1903 A, 6.
1910 A, 48, 49.
Ridgway, R. 1887 A, 73.
Sharpe, R. B. 1894 D, 160 (Pelecanoidea).
Shufeldt, R. W. 1894 A, 23.
1902 A, 113.
1904 C, 315.
1907 A, 122.
1909 A, 133, 348.
1915 C, 733.
Steiner, H. 1916 A, 493.
1918 A, 313, 441, 490 (Steganopodes).
Vialleton, L. 1916 A, 7.
Wetmore, A. 1917 A, 556.
Wetmore and Miller 1926 A, 340 (Pelecani, Pelecanides).
Zittel and Lucas 1902 A, 275.
Zittel and Schlosser 1911 A, 323.
1923 A, 400.

PELECANIDÆ Vigors.

Vigors, N. A. 1825 A, 498.
Hay, O. P. 1902 A, 532.
A. O. U. 1910 A, 64.
Arldt, T. 1907 D, 672.
1912 A, 710, 756.
Beebe, C. W. 1906 A, 492 ("pelicans").
Bonaparte, C. L. 1831 A, 35 (Pelecanidæ, Pelecaninæ).
1832 A, 311 (Steganopodes, Pelecaninæ).
Brandt, J. F. 1836 A, 403 ("pélicans").
Brandt, J. F. 1840 A, 183 (Onocrotali).
Carus, V. 1875 A, 355.
Chandler, A. C. 1916 C.
Dabbene, R. 1910 A, 238.
Evans, A. H. 1899 A, 83.
Finn, F. 1894 A, 210 ("pelicans").
Fürbringer, M. 1902 B, 643.
Gadow, H. 1893 A, 132.
Garrod, A. H. 1874 A, 117.
Gegenbaur, C. 1871 A, 179 ("pelicaniden").

Grote, H. 1902 A, 60 ("pelekane").
Hesse, H. 1907 A, 203.
Huxley, T. H. 1867 C, 257, 279.
Knowlton, F. H. 1909 B, 124.
Lebedinsky, N. G. 1913 A.
L'Herminier, F. 1836 A, 113 ("pélicans").
Lobley, J. L. 1908 A, 202, 207.
Lühder, W. 1871 A, 324.
Lydekker, R. 1879 A, 13.
1891 A, 37.
Magnus, H. 1871 A, 68 ("pelekanen").
Owen, R. 1866 B, 26, 53.
Reichenow, A. 1913 A, 129.
Ridgway, R. 1887 A, 73, 81.
Shufeldt, R. W. 1902 A, 113.
1904 B, 850.
Steiner, H. 1918 A, 316.
Wagner, R. 1843 A ("pelekanen").
Wallace, A. R. 1876 A, II, 365.
Wetmore, A. 1917 A, 557 ("pelicans").
Wetmore and Miller 1926 A, 340.
Wray, R. S. 1887 A, 348 ("pelicans").

PELECANUS Linnæus. Type *P. onocrotalus* Linnæus.

Linnæus, C. 1758 A, 132.
Hay, O. P. 1902 A, 532.
Abel, O. 1912 F, 170, fig. 113.
Adolphi, H. 1922 A, 39, fig. 18.
Aeby, C. 1873 A, 702.
Allen, J. A. 1893 B, 99.
Allis, T. H. 1835 A, 155 ("pelicans").
A. O. U. 1910 A, 64.
Arldt, T. 1907 D, 672.
Beddard, F. E. 1898 A, 544.
Bignon, F. 1889 A, 277, pl. xii.
Bonsdorff, E. J. 1871 A, 305.
Brandt, J. F. 1840 A, 110, 141, 172, 185, 193, pls. vii, viii.
Brauns, D. 1890 A, 201.
Bronn, H. G. 1849 A, 696.
Chandler, A. C. 1916 C, 257.
Cuvier, G. 1805 A.
Dabbene, R. 1910 A, 484.
Eaton, G. F. 1910 A, 4 ("pelican").
Eimer, G. H. T. 1901 A, 14, 156 ("pelikane").
Evans, A. H. 1899 A, 93.
Eyton, T. C. 1867 A, 219 (Pelicanus).
Foote, J. S. 1916 A, 63.
Fürbringer, M. 1888 A, pls. ii-v.
Giebel, C. G. 1855 B, 33.
1865 A, 250.
Heilprin, A. 1887 A, 332 ("pelecan").
Hesse, H. 1907 A, 203, pl. vi, fig. 2.
Huxley, T. H. 1867 C, 258, fig. 20.
Kessler, K. T. 1841 A, 669, 690.
Knowlton, F. H 1909 B, 126
Köstlin, O. 1844 A.
Lebedinsky, N. G. 1918 A, 37.
Leunis and Ludwig 1883 A, 499.
Lilienthal, G. 1917 A, 271 ("pelikan").
Lucas, F. A. 1894 B, 36.
Lydekker, R. 1891 A, 37.
Mackie, S. J. 1863 C, 109 (Pelicanus).
Magnus, H. 1871 A.
Martin, W. 1835 A, 155 ("pelican").
Meckel, J. F. 1825 A.
Miller, L. H. 1925 B, 90.
Newton and Gadow 1896 A, 1077.
Owen, R. 1868 A, 898.
Parker, W. K. 1875 A, 713.
Reynolds, S. H. 1897 A, 337, fig. 63.
Ridgway, R. 1887 A, 81, pl. xxi.
Sundevall, C. J. 1886 A, 401, 405.
Wagner, R. 1843 A ("pelekan").
Wallace, A. R. 1876 A, II, 365.
Weitzel, A. 1865 A, 340.
Zittel and Schlosser 1911 A, 324.
1923 A, 400.

Pelecanus erythrorhynchos Gmelin.

Gmelin, J. F. 1789, Syst. Nat. I, II, 571.
Hay, O. P. 1902 A, 532 (This species?).
A. O. U. 1910 A, 65.
Chandler, A. C. 1916 C, 313, pl. xix, fig. 17.
Evans, A. H. 1899 A, 83.
Foote, J. S. 1916 A, 63, pl. v.
Giebel, C. G. 1865 A, 251.
Hay, O. P. 1927 D, 244.
Miller, L. H. 1912 A, 80, 112.
Shufeldt, R. W. 1913 B, 155 (P. exythrorhynchus?).

Recent; Temperate North America: Pleistocene (Fossil Lake); Oregon.

CYPHORNITHIDÆ Wetmore.

Wetmore, A. 1928 E, 4.

CYPHORNIS Cope. Type *C. magnus* Cope.

Hay, O. P. 1902 A, 532.
Ami, H. M. 1901 D, 331.
Fürbringer, M. 1902 B, 643.
Lambrecht, K. 1916 C, 494.
Lucas, F. A. 1902 D, 657.
Lydekker, R. 1896 E, 399.
Wetmore, A. 1928 E, 1.
Zittel and Schlosser 1911 A, 324.
1923 A, 400.

Cyphornis magnus Cope.

Hay, O. P. 1902 A, 532.
Ami, H. M. 1901 D, 332.
Lambe, L. M. 1904 C, 27, 38, 49.
1912 A, 12.
Lambrecht, K. 1921 A, 41.
Miller, L. H. 1911 D, 117.
1912 A, 65, 66.
Wetmore, A. 1928 E, 1, fig. 1.

Oligocene (White River); British Columbia.

PALÆOCHENOIDES Shufeldt. Type *P. mioceanus* Shufeldt.

Shufeldt, R. W. 1916 C, 347.
Wetmore, A. 1917 A, 556.
1928 E, 4.

Palæochenoides mioceanus Shufeldt.

Shufeldt, R. W. 1916 C, 347, pl. xv.
Lambrecht, K. 1921 A, 10 (P. miocænus).
Wetmore, A. 1917 A, 555.
1928 E, 4.
Upper Miocene?; South Carolina.

Superfamily SULOIDÆ, new name.

Gadow, H. 1910 B, 977 (Steganopodes).
Wetmore and Miller 1926 A, 341 (Sulides).

SULIDÆ Baird.

Baird, S. F. 1858, Birds N. Amer., 871.
Hay, O. P. 1902 A, 532.
A. O. U. 1910 A, 60.
Arldt, T. 1907 D, 683.
1912 A, 710, 756.
Carus, V. 1875 A, 356.
Chandler, A. C. 1916 C.
Evans, A. H. 1899 A, 73.
Fürbringer, M. 1902 B, 642 (Sulidæ, Sulinæ).
Gadow, H. 1893 A, 132.
Knowlton, F. H. 1909 B, 133.
Lebedinsky, N. G. 1913 A, 694.
Leunis and Ludwig 1883 A, 500.
Reichenow, A. 1913 A, 122.
Ridgway, R. 1887 A, 73, 74.
Shufeldt, R. W. 1902 A, 113, 132.
1904 B, 850.
1913 E, 395 ("gannets").
Steiner, H. 1918 A, 316.
Wetmore, A. 1917 A, 557.
1928 E, 4.
Wetmore and Miller 1926 A, 341.
Zittel and Lucas 1902 A, 275.

MORIS Leach. Type *Pelecanus bassanus* Linnæus.

Leach, W. E. 1816, Syst. Cat. indig. Mamm. Birds, Brit. Mus., 35.
Hay, O. P. 1902 A, 532 (Sula).
Aeby, C. 1873 A, 702 (Sula).
Allen, J. A. 1893 B, 99 (Sula).
A. O. U. 1910 A, 60 (Sula).
Andrews, C. W. 1916 B, 524 (Sula).
Beddard, F. E. 1898 A, 547 (Sula).
Bignon, F. 1889 A, 275, pl. xiii (Sula).
Brandt, J. F. 1840 A, *passim*, pl. vi (Dysporus, Sula).
Brisson, M. J. 1760, Ornith., VI, 494.
Cuvier, G. 1805 A (Sula).
Dabbene, R. 1910 A, 489 (Sula).
Diethelm, M. 1907 A, 41 (Sula).
Evans, A. H. 1899 A, 73 (Sula).
Eyton, T. C. 1867 A, 220, pls. vi, l (Sula).
Fürbringer, M. 1888 A, pls. ii-v, vii (Sula).
Gaupp, E. 1905 D, 1026 (Sula).
Giebel, C. G. 1855 B, 33 (Sula).
Heilmann, G. 1913 B, 73, 78, fig. 101 (Sula).
1926 A, 205 ("gannet").
Kessler, K. T. 1841 A, 671 (Sula).
Knowlton, F. H. 1909 B, 135 (Sula).
Köstlin, O. 1844 A (Sula).
Leunis and Ludwig 1883 A, 500 (Sula).
Lindsay, B. 1885 A, 691 (Sula).
Lydekker, R. 1891 A, 46 (Sula).
Magnan, A. 1922 A, 161, text-fig. 12 (Sula).
Mathews, G. M. 1915, Austral. Avian Rec., II, 123 (Sulita).
Meckel, J. F. 1825 A (Sula).
Newton and Gadow 1896 A, 1084 (Sula).
Oberholzer, H. C. 1919, Auk., XXXVI, 417.
Owen, R. 1866 B, 23, 54 (Sula).
Parker, W. K. 1875 A, 713 (Sula).
Parker and Bettany 1877 A, 263 (Sula).
Reynolds, S. H. 1897 A, 339, fig. 64 (Sula).
Ridgway, R. 1887 A, 75, pl. xix (Sula).
Seeley, H. G. 1887 G, 209 ("gannet").
Shufeldt, R. W. 1882 B, 327, fig. 2 (Sula).
Steiner, H. 1918 A, 313, fig. 27 (Sula).
Taschenberg, O. 1899 A, 4317 (Sula).
Weitzel, A. 1865 A, 340 (Sula).
Wetmore, A. 1926 D, 466.
Zittel and Schlosser 1911 A, 324 (Sula).
1923 A, 400 (Sula).

Moris lompocana Miller.

Miller, L. H. 1925 C, 114, pls. iv, vii *a*, ix (Sula).
Miocene (Temblor); California.

Moris loxostyla (Cope).

Hay, O. P. 1902 A, 532 (Sula).
Case, E. C. 1904 D, 58, pl. xxvi, fig. 2 (Sula).
Lambrecht, K. 1916 C, 494 (Sula).
1921 A, 40 (S. loxostyla, S. atlantica).
Shattuck, G. B. 1904 A, xciv (Sula).
Shufeldt, R. W. 1915 D, 62 (S. loxostyla); 62, pl. xv, fig. 123 (S. atlantica).
Wetmore, A. 1926 D, 465.
Lower Miocene; New Jersey, Maryland.

Moris sp. indet.

Miller, L. H. 1921 C, 129 ("gannet"). Miocene (Lompoc diatom bed); California.

MIOSULA Miller. Type *M. media* Miller.

Miller, L. H. 1925 C, 114.

Miosula media Miller.

Miller, L. H. 1925 C, 114, pl. v.
Miocene (Temblor); California.

SULA Brisson. Type *Pelecanus piscator* Linnæus.

Brisson, M. J. 1870, Ornith., VI, 494.
For literature of Sula see under *Moris*.

Sula willetti Miller.

Miller, L. H. 1925 B, 112, pls. iii-viii, fig. 1.
Wetmore, A. 1928 A, 153.
Miocene (Temblor); California.

PHALACROCORACIDÆ Bonapàrte.

Hay, O. P. 1902 A, 533.
A. O. U. 1910 A, 62.
Arldt, T. 1907 D, 672.
1912 A, 710, 756.
Brandt, J. F. 1840 A, 91, 127, 192, 196 ("steganopoden").
Carus, V. 1875 A, 356.
Chandler, A. C. 1916 C.
Dabbene, R. 1910 A, 484.
Evans, A. H. 1899 A, 75.
Fürbringer, M. 1902 B, 642.
Gadow, H. 1893 A, 132.
Garrod, A. H. 1874 A, 117.
Hesse, H. 1907 A, 202.
Knowlton, F. H. 1909 B, 127.
Lebedinsky, N. G. 1913 A.
Leunis and Ludwig 1883 A, 501.
Lydekker, R. 1891 A, 46.
Reichenow, A. 1913 A, 125.
Ridgway, R. 1887 A, 73, 77.
Steiner, H. 1918 A, 316.
Shufeldt, R. W. 1902 A, 113, 165.
1904 B, 850.
1913 E, 393.
Wetmore, A. 1917 A, 557.
Zittel and Lucas 1902 A, 275.

PHALACROCORAX Brisson. Type *Pelecanus carbo* Linn.

Brisson, M. J. 1760, Ornith., VI, 511.
Hay, O. P. 1902 A, 533.
Adolphi, H. 1922 A, 9, 37, fig. 17.
Allen, J. A. 1893 B, 99.
A. O. U. 1910 A, 62.
Andrews, C. W. 1916 B, 524.
Beddard, F. E. 1898 A, 544.
Bignon, F. 1889 A.
Bonsdorff, E. J. 1871 A, 311, pl. iii.
Brandt, J. F. 1840 A, 93, 127, 175, pls. ia-iii (Carbo).
Chandler, A. C. 1916 C (Phalacocorax).
Cuvier, G. 1805 A.
Dabbene, R. 1910 A, 484, fig. 39.
Döderlein, L. 1923 A, 162.
Eaton, G. F. 1910 A, 11, pl. v, figs. 13, 14.
Evans, A. H. 1899 A, 75.
Eyton, T. C. 1869 A, pl. i.
Finn, F. 1894 A, 210.
Fürbringer, M. 1888 A, pls. iii-v, vii.
Gadow, H. 1902 C, 169, pls. xiv, xv.
Heilmann, G. 1913 A, 35, figs. 31, 32.
1913 B, 73, fig. 101.
1926 A, 51, 52, figs. 36, 38.
Hesse, H. 1907 A, 202, pl. x, fig. 15.
Huxley, T. H. 1867 C, 259, fig. 21.
Knowlton, F. H. 1909 B, 128.
Lambrecht, K. 1914 A, 83, pl. viii.
Lebedinsky, N. G. 1921 A, 13.
Leunis and Ludwig 1883 A, 501.
Lucas, F. A. 1903 A, 552, fig. 5.
Lühder, W. 1871 A, 323.
Mackie, S. G. 1863 C, 109.
Magnan, A. 1922 A, 167.
Newton and Gadow 1896 A, 1078.
Owen, R. 1866 B, 61 (Carbo).
Parker, W. K. 1875 A, 713.
1888 D, 478 ("cormorant").
Pycraft, W. P. 1900 C, 1033.
Reichenow, A. 1913 A, 125, fig. 86.
Ridgway, R. 1887 A, 77, pls. xx, xxii.
Seebohm, H. 1888 A, 416.
Shufeldt, R. W. 1882 B, 330, fig. 7.
1913 E, 393, pl. lxi.
Shufeldt, R. W. 1915 D, 17.
Steiner, H. 1918 A, 313, fig. 27.
Zittel and Schlosser 1911 A, 323.
1923 A, 400.

Phalacrocorax idahensis (Marsh).

Hay, O. P. 1902 A, 533.
1923 A, 8 (Graculus idahoensis).
1927 D, 265, 268.
Lambrecht, K. 1921 A, 38.
Merriam, J. C. 1917 A, 432 (Graculus idahoensis).
Shufeldt, R. W. 1915 D, 68, 76, pl. vi, fig. 44.
Pleistocene (Idaho); Idaho.

Phalacrocorax macropus Cope.

Hay, O. P. 1902 A, 533.
1927 D, 244.
Lambrecht, K. 1916 C, 495.
1921 A, 38.
Miller, L. H. 1912 A, 80, 112.
Neues Jahrb. Min. Geol. Pal., 1923, I, 307 (P. maximus).
Osborn, H. F. 1910 B, 460 ("Phalacrocorax").
Shufeldt, R. W. 1913 B, 137, pl. xx, figs. 260, 261; pls. xxi, xxii; pl. xxiii, figs. 284, 285, 287, 288; pl. xxxii, fig. 405; pl. xxxix, fig. 486.
1915 G, 485, pl. xxx.
Pleistocene (Fossil Lake); Oregon.

Phalacrocorax marinavis Shufeldt.

Shufeldt, R. W. 1915 D, 56, pl. xlv, figs. 113-122.
Lambrecht, K. 1921 A, 36.
Upper Oligocene (John Day); Oregon.

Phalacrocorax mediterraneus Shufeldt.

Shufeldt, R. W. 1915 D, 58, pl. xv, fig. 138.
Lambrecht, K. 1921 A, 31.
Oligocene (White River); Colorado.

Phalacrocorax penicillatus (Brandt).

Brandt, J. F. 1837, Bull. Sci. Acad. imp. Sci. St. Petersb., III, 55 (Carbo).

Chandler, A. C. 1916 C, 307.
Hay, O. P. 1927 D, 172.
Miller, L. H. 1914 A, 35 (This species?).
Recent; Pacific coast of United States: Pleistocene (San Pedro); California.

Phalacrocorax perspicillatus Pallas.

Hay, O. P. 1902 A, 533.
Evans, A. H. 1899 A, 77.
Lydekker, R. 1901 C, 254.
Lucas, F. A. 1894 B, 36.
Bering Island. Recently extinct, but not known from Pleistocene deposits.

GRACULAVUS Marsh. Type *G. velox* Marsh.

Hay, O. P. 1902 A, 533.
Arldt, T. 1907 D, 87.
Fürbringer, M. 1888 A, 1141.
1902 B, 629.
Heilprin, A. 1887 A, 330.
Shufeldt, R. W. 1915 D, 16 (Graculavis); 19 (Limosavis).
Young, G. W. 1915 A, 250.
Zittel and Schlosser 1911 A, 324.
1923 A, 399, 400.

Graculavus pumilis Marsh.

Hay, O. P. 1902 A, 533.
Lambrecht, K. 1921 A, 53.
Shufeldt, R. W. 1915 D, 19, 76, pl. vii, fig. 53.
Upper Cretaceous (Hornerstown); New Jersey. Kansas, *fide* Shufeldt.

Graculavus velox Marsh.

Hay, O. P. 1902 A, 533.
Lambrecht, K. 1921 A, 55 (Limosavus).
Shufeldt, R. W. 1915 D, 17, 76, pl. vi, fig. 33; pl. vii, fig. 49.
Upper Cretaceous (Hornerstown); New Jersey.

Graculavus sp. indet.

Lambrecht, K. 1921 A, 53.
Shufeldt, R. W. 1915 D, 20, pl. xv, figs. 125, 126 (New Jersey).
Upper Cretaceous (Hornerstown); New Jersey.

Suborder CICONIIFORMES Garrod.

Garrod, A. H. 1874 A, 117, 122.
Abel, O. 1919 A, 703.
Adolphi, H. 1922 A, 37.
Arldt, T. 1907 D, 646.
Bittner, F. 1912 A, 2 (Ciconiæ).
Evans, A. H. 1899 A, 70.
Fürbringer, M. 1888 A, 1548, 1565.
1902 B, 637, 649.
Gadow, H. 1893 A, 131.
1910 B, 977.
Huxley, T. H. 1867 A, 460, 461 (Amphimorphæ, Pelargomorphæ, Disporomorphæ).
Knowlton, F. H. 1909 B, 121.
Lambrecht, K. 1914 A, 64, 73.
Lydekker, R. 1891 A, 61 (Ciconiæ).
Parker, W. K. 1875 A (Pelargomorphæ).
Pycraft, W. P. 1910 A, 448.
Reichenow, A. 1913 A, 237 (Gressores).
Sharpe, R. B. 1891 A, 75 (Pelargoformes).
Steiner, H. 1916 A, 499 (Ciconiæ).
1918 A, 313, 490.
Wetmore and Miller 1926 A, 341.

Superfamily ARDEOIDÆ, new form.

Hay, O. P. 1902 A, 531 (Herodii, Ardeoidea).
Adolphi, H. 1922 A, 41 (Ardeæ).
Allen, J. A. 1871 A (Herodiones).
Arldt, T. 1912 A, 686, 687 (Ardeæ).
Beddard, F. E. 1898 A, 419 (Herodiones).
Bonaparte, C. L. 1832 A, 308 (Herodii).
Chandler, A. C. 1916 C (Ardeæ).
Cope, E. D. 1891 N, 58, 60 (Herodii, in part).
Dabbene, R. 1910 A, 468 (Ardeiformes).
Finn, F. 1894 B, 454 ("herons").
Fürbringer, M. 1888 A (Herodii).
1902 B, 638 (Pelargo-Herodii).
Gadow, H. 1893 A, 137 (Ardeæ).
1910 B, 977 (Ardeæ).
Garrod, A. H. 1874 A, 117 (Herodiones).
Gervais, P. 1856 A, 12 ("hérodiens").
Hilzheimer, M. 1913 A, 517 (Pelargornithes).
Huxley, T. H. 1867 C, 278 (Herodiæ).
Illiger, C. 1811 A, 255 (Herodii).
Jaekel, O. 1911 A, 177 (Pelargomorphæ).
Knowlton, F. H. 1909 B, 139 (Ardeæ).
Lambrecht, K. 1914 A, 64 (Ardeæ).
Lebedinsky, N. G. 1913 A (Ardeiformes).
Lull, R. S. 1917 B, 322 (Herodiones).
Lydekker, R. 1879 A, 27 (Pelargomorphæ).
1891 A, 59 (Herodiones).
Magnus, H. 1871 A, 86 (Herodii).
Meckel, J. F. 1825 A ("sumpfvögel").
Miller, W. D. 1924 A, 2 ("herons").
Newton, A. 1885 A, 47 (Herodiones).
Newton and Gadow 1896 A, 1070 (Herodii).
Pycraft, W. P. 1902 B, 324 ("herons").
Sharpe, R. B. 1891 A, 75.
Shufeldt, R. W. 1894 A, 23 (Ardeæ).
1901 A, 158 (Herodii).
1904 B, 853 (Herodiones).
1907 A, 122 (Herodiones).
1909 A, 252 (Herodii).
Steiner, H. 1916 A, 493 (Herodii).
1918 A, 317, 490 (Ardeæ).
Weitzel, A. 1865 A, 335, 345 ("sumpfvögel").
Wetmore and Miller 1926 A, 341 (Ardeæ).
Wray, R. S. 1887 A, 348 (Herodiones).
Zittel and Lucas 1902 A, 274 (Herodii).
Zittel and Schlosser 1911 A, 323 (Herodii).
1923 A, 399 (Herodii).

ARDEIDÆ Vigors.

Vigors, N. A. 1825 A, 488.
Hay, O. P. 1902 A, 531.
Arldt, T. 1907 D, 639.
1912 A, 710, 756.
Bittner, F. 1912 A, 2 ("ardeiden").
Bonaparte, C. L. 1831 A, 34.
1832 A, 308.
Carus, V. 1875 A, 344.
Dabbene, R. 1910 A, 468.
Evans, A. H. 1899 A, 87.
Forbes, W. A. 1882 D, 63.
Fürbringer, M. 1902 B, 638, 639.
Gadow, H. 1893 A, 137.
1914 A, 504.
Garrod, A. H. 1873 D, 637.
1874 A, 120.
Gegenbaur, C. 1871 A, 188 ("ardeiden").
Hesse, H. 1907 A, 214.
Huxley, T. H. 1867 C, 257.
Knowlton, F. H. 1909 B, 139.
Lebedinsky, N. G. 1913 A.
Leunis and Ludwig 1883 A, 478.
L'Herminier, F. 1836 A, 112 ("hérons").
Lobley, J. L. 1908 A, 202, 207.
Lühder, W. 1871 A, 324 (Herodinidæ).
Lydekker, R. 1879 A, 13.
Miller, L. H. 1925 B, 75.
Newton and Gadow 1896 A, 1070 ("herons").
Parker, W. K. 1869 A, 504.
1875 A, 713.
1890 A, 22 ("hérons").
Reichenow, A. 1877 A, 113, 232.
1913 A, 250.
Ridgway, R. 1887 A, 122, 126.
Shufeldt, R. W. 1894 A.
1904 B, 853.
1907 A, 123.
1909 A, 250.
Wallace, A. R. 1876 A, II, 359.
Wetmore and Miller 1926 A, 341.

ARDEINÆ Bonaparte

Bonaparte, C. L. 1840 A, 275.
A. O. U. 1910 A, 95.
Gray, G. R. 1840 A, 66.
Ridgway, R. 1887 A, 126.
Sundevall, C. J. 1886 A, 404 (Ardeæ).
Wetmore and Miller 1926 A, 341.

ARDEA Linnæus. Type *A. cinerea* Linnæus.

Linnæus, C. 1758 A, 141.
Hay, O. P. 1902 A, 531.
Adolphi, H. 1922 A, 41.
Aeby, C. 1873 A, 701, pl. xii.
Allen, J. A. 1893 B, 99.
Allis, T. H. 1835 A, 155.
Anthony, R. 1913 A, 268, fig. 10.
Arldt, T. 1907 D, 156.
Beddard, F. E. 1898 A, 422, 432, fig. 202.
Beebe, C. W. 1906 A, 490 ("heron").
Bignon, F. 1889 A.
Bittner, F. 1912 A, 9, 15.
Bonsdorff, E. J. 1871 A, 310, pl. iii.
Bronn, H. G. 1849 A, 697.
Cuvier, G. 1805 A.
Dabbene, R. 1910 A, 20, 97, 223.
Diethelm, M. 1907 A, 41.
Evans, A. H. 1899 A, 91.
Eyton, T. C. 1867 A, 195.
Fürbringer, M. 1888 A, pls. ii-iv, vi.
Gaillard, C. 1908 A, 86.
Gegenbaur, C. 1871 A, 175.
Giebel, C. G. 1855 B, 34.
Harting, P. 1866 A, 24.
Heilmann, G. 1913 B, 71, figs. 99, 102.
1926 A, 97, fig. 79.
Hesse, H. 1907 A, 214, pl. vii, fig. 2.
Kessler, K. T. 1841 A, 650, 686.
Knowlton, F. H. 1909 B, 140.
Köstlin, O. 1844 A.
Lambrecht, K. 1914 A, 64.
Leunis and Ludwig 1883 A, 479.
Lühder, W. 1871 A, 329.
Lydekker, R. 1879 A, 13, pl. ii, fig. 3.
Mackie, S. J. 1863 C, 109.
Magnan, A. 1922 A, 166, pls. ii, viii.
Magnus, H. 1871 A.
Martin, W. 1835 A, 155.
Meckel, J. F. 1825 A.
Newton and Gadow 1896 A, 1060.
Owen, R. 1866 B, 22, 39.
Parker, W. K. 1875 A, 713.
Reichenow, A. 1877 A, 123, 252.
1913 A, 256.
Ridgway, R. 1887 A, 126, 128, pls. xxxiv, xxxvi.
Shufeldt, R. W. 1901 A, 162.
1909 A, 68.
Steiner, H. 1918 A, 317, fig. 28.
Sundevall, C. J. 1886 A, 401.
Sushkin, P. P. 1899 B, 153.
Virchow, H. 1914 A, 79.
1914 D, 321, figs. 3, 4.
Weitzel, A. 1865 A, 336.

Ardea herodias Linnæus.

Linnæus, C. 1758 A, 143.
Abel, O. 1912 F, 22.
Chandler, A. C. 1916 C, 321, pl. xx, fig. 20.
Eyton, T. C. 1873 A, 5, 17, pls. xi, xiK.
Hay, O. P. 1923 A, 382.
1927 D, 185, 198.
Miller, L. H. 1909 B, 306.
1910 A, 448.
1910 C, 11.
1912 A, 78, 113.
1925 A, 317.
1925 B, 76.
Osborn, H. F. 1910 B, 473.
1925 D, 542.
Shufeldt, R. W. 1913 A, 39.
1913 B, 153, pl. xxxix, figs. 466, 467.
1913 F, 307.
1916 E, 18.
1917 B, 39, pl. ii, fig. 17.

Pleistocene (Fossil Lake); Oregon: (La Brea); California, Florida.

Ardea paloccidentalis Shufeldt.

Hay, O. P. 1902 A, 531.
1927 D, 244.
Lambrecht, K. 1921 A, 27.
Miller, L. H. 1912 A, 81, 113.
Shufeldt, R. W. 1913 B, 157.
Pleistocene (Fossil Lake); Oregon.

Ardea sellardsi Shufeldt.

Shufeldt, R. W. 1916 E, 19.
Hay, O. P. 1923 A, 382.
Shufeldt, R. W. 1917 B, 38, pl. ii, fig. 15.
Pleistocene (Middle?); Florida.

Ardea sp. indet.

Hay, O. P. 1923 A, 382.
Shufeldt, R. W. 1917 B, 36, pl. i, fig. 5 (This genus?). Pleistocene (Early); Florida.
Miller, L. H. 1925 A, 317 ("heron"). Pleistocene (McKittrick); California.

HERODIAS Boie. Type *Ardea egretta* (Gray).

Boie, F. 1822, Isis von Oken, x, 559.
A. O. U. 1910 A, 96.
Coues, E. 1884 A, 658.
Dabbene, R. 1910 A, 478.
Fürbringer, M. 1888 A.
Knowlton, F. H. 1909 B, 143.
Leunis and Ludwig 1883 A, 479 (Herodius).
Reichenow, A. 1913 A, 259.

Herodias egretta (Gmelin).

Gmelin, J. F. 1789, Syst. Nat. I, II, 629 (Ardea).
A. O. U. 1910 A, 96.
Coues, E. 1884 A, 658.
Hay, O. P. 1923 A, 382.
Knowlton, F. H. 1909 B, 143, fig. 45.
Shufeldt, R. W. 1916 E, 19 (This species?).
1917 B, 37, pl. i, figs. 5, 6, 9-11 (This species?).
Recent; North and South America: Pleistocene; Florida.

BOTAURINÆ.

A. O. U. 1910 A, 94.
Ridgway, R. 1887 A, 126.
Wetmore and Miller 1926 A, 341.

BOTAURUS Stephens. Type *Ardea stellaris* Linnæus.

Stephens, J. F. 1819, Gen. Zool., XI, pt. 2, 592.
A. O. U. 1910 A, 94.
Arldt, T. 1907 D, 156.
Beddard, F. E. 1898 A, 430, 431.
Chandler, A. C. 1916 C, 323, pl. xx, fig. 21.
Coues, E. 1884 A, 664.
Dabbene, R. 1910 A, 15, 225.
Eyton, T. C. 1867 A, 196.
Fürbringer, M. 1888 A, pl. ii.
Heilmann, G. 1926 A, 93.
Knowlton, F. H. 1909 B, 145.
Lambrecht, K. 1914 A, 83, pl. viii.
Magnan, A. 1922 A, 166.
Marinelli, W. 1928 A, 155.
Newton and Gadow 1896 A, 1061.
Parker, W. K. 1875 A, 713.
Reichenow, A. 1877 A, 241, 247.
1913 A, 251, fig. 128.
Ridgway, R. 1887 A, 126, pl. xxxiii.

Botaurus lentiginosus (Montagu).

Montagu, G. 1813, Suppl. Orn. Dict., text and plate.
Coues, E. 1884 A, 664 (B. mugitans).
Hay, O. P. 1927 D, 185.
Knowlton, F. H. 1909 B, 146.
Miller, L. H. 1921 C, 130.
1925 B, 76.
Shufeldt, R. W. 1913 A, 39.
1913 B, 152, pl. xiv, fig.; pl. xxxix, figs. 468, 471.
1913 F, 307.
Recent; whole of North America: Pleistocene (Fossil Lake); Oregon: (La Brea); California.

BOTAURODES Shufeldt. Type *B. parvus* Shufeldt.

Shufeldt, R. W. 1915 D, 33.
Lambrecht, K. 1921 A, 28.
Zittel and Schlosser 1923 A, 399.

Botauroides parvus Shufeldt.

Shufeldt, R. W. 1915 D, 33.
Lambrecht, K. 1921 A, 28.
Middle Eocene? (Bridger?); Wyoming.

EOCEORNIS Shufeldt. Type *E. ardetta* Shufeldt.

Shufeldt, R. W. 1915 D, 39.
Lambrecht, K. 1921 A, 28.

Eoceornis ardetta Shufeldt.

Shufeldt, R. W. 1915 D, 39, pl. xiii, fig. 102.
Lambrecht, K. 1921 A, 28.
Middle Eocene (Bridger); Wyoming.

Superfamily CICONIOIDÆ, new form.

Adolphi, H. 1922 A, 45 (Ciconiæ).
A. O. U. 1910 A, 93 (Ciconiæ).
Carus, V. 1875 A, 342 (Ciconiæ).
Chandler, A. C. 1916 C, 318, pl. xx, figs. 23-27 (Ciconiæ).
Cope, E. D. 1891 N, 60 (Herodii, in part).

Gadow, H. 1893 A, 141 (Ciconiæ).
1910 B, 977 (Ciconiæ).
Knowlton, F. H. 1909 B, 153 (Ciconiæ).
Sharpe, R. B. 1891 A, 75 (Ciconii).
Shufeldt, R. W. 1894 A, 23 (Ciconiæ).
Steiner, H. 1918 A, 317, 441, 490 (Ciconiæ).
Wetmore and Miller 1926 A, 341 (Ciconiæ, Ciconiides).

CICONIIDÆ.

Abel, O. 1926 B, 239 ("storche").
Adolphi, H. 1922 A, 45.
Arldt, T. 1907 D, 646.
Bonaparte, C. L. 1840 A, 275 (Ciconinæ).
Carus, V. 1875 A, 346.
Chandler, A. C. 1916 C, 331.
Coues, E. 1884 A, 652.
Dabbene, R. 1910 A, 472.
Forbes, W. A. 1882 D, 63.
Fürbringer, M. 1888 A, 1184-1187.
1902 B, 639, 649.
Gadow, H. 1893 A, 142.
Garrod, A. H. 1873 D, 637.
Hesse, H. 1907 A, 212.
Huxley, T. H. 1867 A, 439.
1867 C, 257.
Knowlton, F. H. 1909 B, 153.
Lambrecht, K. 1914 A, 64.
Leunis and Ludwig 1883 A, 481.
Lobley, J. L. 1908 A, 202, 207.
Lydekker, R. 1879 A, 13 (Ciconidæ).
1891 A, 61.
Miller, L. H. 1910 A, 440.
Newton and Gadow 1896 A, 1063 (Ciconiæ).
Pycraft, W. P. 1902 B, 324 ("storks").
1910 A, 402, 443 ("storks").
Reichenow, A. 1877 A, 113, 159 (Ciconidæ, Ibidæ).
1913 A, 244.
Ridgway, R. 1887 A, 122, 124.
Shufeldt, R. W. 1894 A, 24 (Ciconidæ).
Stejneger, L. 1885 A, 162.
Wetmore and Miller 1926 A, 341.

CICONIINÆ Bonaparte.

Bonaparte, C. L. 1838 B, 119 (Ciconinæ).
A. O. U. 1910 A, 93.
Sundevall, C. J. 1886 A, 404 (Ciconiæ).
Wetmore and Miller 1926 A, 341.

CICONIA Brisson.

Brisson, M. J. 1760, Ornith., 361.
Adolphi, H. 1922 A, 13, figs. 3, 9, 20.
Allis, T. H. 1835 A, 155.
Bignon, F. 1889 A, 300, pl. xi.
Bonsdorff, E. J. 1871 A, 311.
Carus, V. 1875 A, 346.
Cuvier, G. 1805 A.
Fürbringer, M. 1888 A, pls. ii, iii, iv, vi.
Gadow, H. 1891 A.
1893 A, 141.
Gegenbaur, C. 1871 A, 176.
Giebel, C. G. 1855 B, 34.
Heilmann, G. 1926 A, 181, fig. 131.
Kessler, K. T. 1841 A, 651, 688.
Knowlton, F. H. 1909 B, 153.
Köstlin, O. 1844 A.
Lambrecht, K. 1914 A, 83, pl. viii.
Leunis and Ludwig 1883 A, 481.
Lüdher, W. 1871 A, 326, 329.
Meckel, J. F. 1825 A.
Newton and Gadow 1896 A, 1063.
Owen, R. 1848 B, 158.
1866 B, 23.
Parker, W. K. 1875 A, 713.
1875 D, 115.
Reichenow, A. 1877 A, 121, 168.
1913 A, 247.
Selenka, E. 1869 A, pl. iii, figs. 1, 2; pl. viii, fig. 14; pl. x, fig. 7; pl. xv.
Steiner, H. 1918 A, 317.
Sundevall, C. J. 1886 A, 400, 401.
Wagner, R. 1843 A ("storch").
Weitzel, A. 1865 A, 337.

Ciconia maltha L. H. Miller.

Miller, L. H. 1910 A, 440, figs. 1-7.
Hay, O. P. 1927 D, 185.
Lambrecht, K. 1921 A, 26 (C. malta).
Miller, L. H. 1912 A, 78, 97, 113.
1921 A, 567 ("Ciconia").
1923 A, 352 ("stork").
1925 A, 317.
1925 B, 74, figs. 1-5.
Osborn, H. F. 1925 D, 542.
Pleistocene (Early); California.

Ciconia sp. indet.

Hay, O. P. 1927 D, 198. Pleistocene; California.
Merriam and Stock 1925 B.

JABIRU Hellmayr. Type *Ciconia mycteria* Lichtenstein.

Hellmayr, C. E. 1906, Abh. k. Bayer, Akad. Wiss., phys. Kl., XXII, 711.
Allen, J. A. 1908 A, 38.
Beddard, F. E. 1898 A, 427 (Mycteria).
Beebe, C. W. 1906 A, 72 ("jabiru").
Dabbene, R. 1910 A, 482 (Mycteria).
Eyton, T. C. 1867 A, 194 (Mycteria).
Newton and Gadow 1896 A, 1075 (Mycteria).
Owen, R. 1866 B, 147, fig. 65 (jabiru").
Reichenow, A. 1877 A, 121, 166 (Mycteria).
Ridgway, R. 1887 A, 125, pl. xxxii (Jabiru).
Sellards, E. H. 1916 C, 146.
Sushkin, P. P. 1899 B, 153.
Wagner, J. A. 1837 B, 493, pl. iv, figs. 5-7 (Mycteria).

Jabiru mycteria (Lichtenstein).

Lichtenstein, M. H. C. 1819, Abh. k. Akad. Wiss., Berlin, phys. Kl., for 1816-17, 163 (Ciconia).
Allen, J. A. 1908 A, 38.
Hay, O. P. 1927 D, 185, 198.

Miller, L. H. 1910 A, 446.
1912 A, 78, 97, 113.
1921 A, 567 ("Jabiru").
1922 A, 123 (Ciconia maltha).
1925 A, 317.
1925 B, 74 (This species?).
Newton and Gadow 1896 A, 462, fig. (Mycteria americana).
Osborn, H. F. 1925 D, 542.
Wagner, J. A. 1837 B, 493, pl. iv, figs. 5-7 (Mycteria americana).
Wetmore, A. 1928 B, 2.
Recent; southern Mexico to Argentina: Pleistocene (La Brea); California.

Jabiru weillsi Sellards.

Sellards, E. H. 1916 C, 146, 148, pl. xxvi, figs. 1-4; text-fig. 15 (This genus ?).
Hay, O. P. 1923 A, 382.
Sellards, E. H. 1916 E, 23 (This genus ?).
1917 A, 249.
1917 C, 76.
1917 E, 198 ("stork").
Pleistocene (Early); Florida.

Jabiru sp. indet.

Hay, O. P. 1927 D, 198. Pleistocene; California.
Merriam and Stock 1925 B.

MYCTERIINÆ.

A. O. U. 1910 A, 93.
Wetmore and Miller 1926 A, 341.

MYCTERIA Linnæus. Type *M. americana* Linnæus.

Linnæus, C. 1758 A, 140.
A. O. U. 1910 A, 93.
Carus, J. V. 1875 A, 346.
Coues, E. 1884 A, 653.
Fürbringer, M. 1888 A, pl. ii.
Miller, L. H. 1925 B, 68, 90.
Newton and Gadow 1896 A, 1085 (Tantalus).
Reichenow, A. 1877 A, 121, 161 (Tantalus).
Stejneger, L. 1885 A, 164 (Tantalus).

Mycteria americana Linnæus.

Linnæus, C. 1758 A, 140.
Chandler, A. C. 1916 C, 318, pl. xx, fig. 23.
Coues, E. 1884 A, 653.
Hay, O. P. 1923 A, 382.
1927 D, 185.
Knowlton, F. H. 1909 B, 157, fig. 52.
Miller, L. H. 1912 A, 78, 97, 113.
1925 B, 73 (This species?).
Osborn, H. F. 1925 D, 542.
Shufeldt, R. W. 1916 E, 19 (This species?).
1917 B, 39, pl. ii, fig. 19 (This species?).
Recent; southern United States to Argentina. Pleistocene (LaBrea); California. (Early); Florida.

Superfamily PHŒNICOPTEROIDÆ, new form.

Hay, O. P. 1902 A, 531 (Phœnicopteroidea).
Chandler, A. C. 1916 C (Phœnicopteri).
Dabbene, R. 1910 A, 485 (Phœnicopteriformes).
Evans, A. H. 1899 A, 105 (Phœnicopteri).
Fürbringer, M. 1902 B, 637 (Phœnicopteri).
Gadow, H. 1893 A, 144 (Phœnicopteri).
1910 B, 977 (Phœnicopteri).
Huxley, T. H. 1867 A, 460 (Amphimorphæ).
1867 C, 278 (Amphimorphæ).
Knowlton, F. H. 1909 B, 165 (Phœnicopteri).
Lambrecht, K. 1914 A, 65 (Phœnicopteri).
Lebedinsky, N. G. 1913 A (Phœnicopteriformes).
Lydekker, R. 1879 A, 27 (Amphimorphæ).
Lydekker, R. 1891 A, 76 (Odontoglossæ).
Reichenow, A. 1913 A, 234 (Pelopatides).
Ridgway, R. 1887 A, 121 (Odontoglossæ).
Sharpe, R. B. 1891 A, 76 (Phœnicopteriformes).
Shufeldt, R. W. 1901 B, 295 (Odontoglossæ).
1904 B, 853 (Phœnicopteriformes, Phœnicopteri).
1909 A, 251 (Phœnicopteroideæ).
Steiner, H. 1916 A, 499 (Phœnicopteri).
1918 A, 317, 441, 490 (Phœnicopteri).
Sushkin, P. P. 1899 B, 153 (Phœnicopteri).
Wetmore and Miller 1926 A, 341 (Phœnicopteri).

PHŒNICOPTERIDÆ Bonaparte.

Bonaparte, C. L. 1831 A, 34.
Hay, O. P. 1902 A, 531.
Arldt, T. 1907 D, 673.
1912 A, 756.
Carus, V. 1875 A, 350.
Dabbene, R. 1910 A, 485.
Evans, A. H. 1899 A, 105.
Forbes, W. A. 1882 A, 389.
Garrod, A. H. 1873 D, 638.
Gervais, P. 1856 A, 12 ("flamants").
Lebedinsky, N. G. 1913 A.
Leunis and Ludwig 1883 A, 486.
Lobley, J. L. 1908 A, 202, 207.
Lydekker, R. 1879 A, 13.
1891 A, 77.
Reichenow, A. 1877 A, 113, 225.
1913 A, 235.
Ridgway, R. 1887 A, 121.
Shufeldt, R. W. 1901 B, 295.
1904 B, 853.
Wallace, A. R. 1876 A, II, 361.
Wetmore and Miller 1926 A, 341.
Young, G. W. 1915 A, 251 ("flamingoes").

PHŒNICOPTERUS Linnæus. Type *P. ruber* Linnæus.

Linnæus, C. 1758 A, 139.
Hay, O. P. 1902 A, 531.
Adolphi, H. 1922 A, 49.
Allen, J. A. 1893 B, 99.
Arldt, T. 1907 D, 673.
Beddard, F. E. 1898 A, 544.

Beebe, C. W. 1906 A, 489 ("flamingo").
Bignon, F. 1889 A.
Bronn, H. G. 1848 B, 960.
1849 A, 697.
Chandler, A. C. 1916 C.
Chapman, F. M. 1902 A, 573.
1905 A, figs. 1-16.
Cuvier, G. 1805 A (Phenicopterus).
Dabbene, R. 1910 A, 130, 234.
Diethelm, M. 1907 A, 41.
Evans, A. H. 1899 A, 105.
Eyton, T. C. 1867 A, 197, pl. iv K (Phænicopterus).
Fürbringer, M. 1888 A, pls. ii-iv, vi, vii.
1902 B, 637.
Gadow, H. 1893 A, 144.
Gegenbaur, C. 1871 A, 173.
Gervais, P. 1852 A, 233, pl. L, figs. 4, 5.
1859 A, 413.
Giebel, C. G. 1855 B, 30 ("flamingo").
Heilprin, A. 1887 A, 418 ("flamingo").
Hesse, H. 1907 A, 213, pl. vi, fig. 1.
Huxley, T. H. 1867 A, 437.
1867 C, 257, 278, fig. 19.
Kessler, K. T. 1841 A, 658, 688.
Knowlton, F. H. 1909 B, 165.
Köstlin, O. 1844 A.
Lambrecht, K. 1914 A, 83, pl. viii.
Lebedinsky, N. G. 1921 A, 13.
Ledouble, A. F. 1903 A, 642 ("flamant").
Leunis and Ludwig 1883 A, 486.
Lüdher, W. 1871 A, 329.
Mackie, S. J. 1863 C, 108.
Magnus, H. 1871 A.
Meckel, J. F. 1825 A.
Miller, L. H. 1912 A, 80.
Newton and Gadow 1896 A, 1078.
Owen, R. 1866 B, 16, fig. 14 (Phænicopterus).
1868 A, 899 (Phænicopterus).
Parker, W. K. 1875 A, 712.
Reichenow, A. 1877 A, 121, 227.
Ridgway, R. 1887 A, 121, pl. xxix.
Shufeldt, R. W. 1901 B, 295.
1909 A, 250, 251, 252.
Steiner, H. 1918 A, 318.
Sundevall, C. J. 1886 A, 400.
Taschenberg, O. 1899 A, 4229.
Virchow, H. 1916 B, 245, 5 figs.
Wagner, R. 1843 A ("flamingo").
Weitzel, A. 1865 A, 338.
Wray, R. S. 1887 A, 348.

Phœnicopterus copei Shufeldt.

Hay, O. P. 1902 A, 531.
Haug, E. 1911 A, 1886.
Hay, O. P. 1927 D, 244.
Lambrecht, K. 1916 C, 495.
1921 A, 22.
Miller, L. H. 1912 A, 81, 97, 113.
Osborn, H. F. 1910 B, 460.
Shufeldt, R. W. 1913 B, 152, 157.
Smith and Packard 1919 A, 103 ("flamingo").
Sternberg, C. H. 1909 C, 160.
Wetmore, A. 1928 A, 155.
Pleistocene (Fossil Lake); Oregon.

Superfamily PLATALEOIDÆ, new name.

Shufeldt, R. W. 1894 A, 23 (Plataleæ).

PLATALEIDÆ.

A. O. U. 1910 A, 91.
Coues, E. 1884 A, 651.
Eyton, T. C. 1867 A, 275, pls. xiv k, xxvii (Platalia).
Knowlton, F. H. 1909 A, 163.
Ridgway, R. 1887 A, 122.

AJAIA Reichenbach. Type *Platalea ajaja* Linnæus.

Reichenbach, H. G. 1852, Syst. Avium, xvi.
A. O. U. 1910 A, 91.
Coues, E. 1884 A, 651 (Ajaja).
Ridgway, R. 1887 A, 122, pl. xxxi (Ajaja).

Ajaia ajaja (Linnæus).

Linnæus, C. 1758 A, 140.
A. O. U. 1910 A, 91.
Coues, E. 1884 A, 651 (Ajaja ajaja).
Hay, O. P. 1927 D, 185.
Knowlton, F. H. 1909 A, 164, pl.
Miller, L. H. 1921 C, 130 (A. sp. indet).
1925 A, 72.
Recent; North and South America: Pleistocene; California.

Superfamily IBIDIDOIDÆ, new form.

A. O. U. 1910 A, 91 (Ibides).

IBIDIDÆ.

Abel, O. 1926 B, 239 ("ibisse").
A. O. U. 1910 A, 91.
Coues, E. 1884 A, 648.
Knowlton, F. H. 1909 A, 160.
Owen, R. 1866 B, 60 ("ibises").
Reichenow, A. 1913 A, 238.
Ridgway, R. 1887 A, 121, 123.
Selenka, E. 1869 A, pls. ii, xvii (Ibis).
Stejneger, L. 1885 A, 158.

PLEGADIS Kaup. Type *Tringa autumnalis* Linnæus.

Kaup, J. J. 1829, Skizz. Entw.-Gesch. Eur. Thierw., 82.
A. O. U. 1910 A, 92.
Coues, E. 1884 A, 649.
Reichenow, A. 1913 A, 243.
Ridgway, R. 1887 A, 123, pl. xxx.

Plegadis guarauna (Linnæus).

Linnæus, C. 1766, Syst. Nat., ed. 12, I, 242.
A. O. U. 1910 A, 92.
Coues, E. 1884 A, 649.
Hay, O. P. 1927 D, 185.
Knowlton, F. H. 1909 A, 163.
Miller, L. H. 1921 C, 130 (P. sp. indet.).
1925 A, 73.
Recent; Oregon to southern South America: Pleistocene; California.

Suborder ANATIFORMES, new name.

Unless otherwise indicated the authors, as quoted, use for this suborder the name Anseriformes.

Hay, O. P. 1902 A, 528 (Chenomorphæ).
Abel, O. 1919 A, 704.
Adolphi, H. 1922 A, 50.
Allen, J. A. 1871 A (Chenomorphæ).
A. O. U. 1910 A, 66 (Anseres).
Beddard, F. E. 1898 A, 456 (Anseres).
Bittner, F. 1912 A, 2 ("lamellirostres").
Blainville, H. M. D. 1821 A, 212 ("palmipèdes").
Bonaparte, C. L. 1831 A, 34 (Anseres).
1832 A, 311 (Lamellosodentati).
Carus, V. 1875 A, 347 (Lamellirostres).
Chandler, A. C. 1914 B, 141 (Anseres).
1916 C (Anseres).
Clark, H. L. 1901 A, 376 ("anseriforms").
Cope, E. D. 1891 N, 58, 60 (Chenomorpha).
Cuvier, G. 1805 A.
Dabbene, R. 1910 A, 468.
Evans, A. H. 1899 A, 108, 110 (Anseriformes, Anseres).
Finn, F. 1894 B, 454 (Anseres).
Fürbringer, M. 1888 A, 1548, 1565.
1902 B, 630 (Anseriformes, Anseres).
Gadow, H. 1893 A, 151.
1910 B, 977.
Garrod, A. H. 1874 A, 118.
Gegenbaur, C. 1871 A, 173 (Chenomorphæ).
Hilzheimer, M. 1913 A, 517 (Anseres).
Hoernes, R. 1886 A, 641 (Lamellirostres).
Huxley, T. H. 1867 A, 460 (Chenomorphæ).
1867 C, 227 (Chenomorphæ); 248 (Natatores).
1868 B, 361 (Chenomorphæ).
Illiger, C. 1811 A, 270 (Natatores); 276 (Lamellosodentata).
Kessler, K. T. 1841 A, 673 (Lamellirostres).
Knowlton, F. H. 1909 B, 169.
Lambrecht, K. 1914 A, 65, 73.
Lebedinsky, N. G. 1913 A, 694.
Leunis and Ludwig 1883 A, 484 (Lamellirostres).
Linnæus, C. 1758 A, 81, 122 (Anseres).
Lobley, J. L. 1908 A, 198 (Anseres).
Lühder, W. 1871 A, 324 (Lamellirostres).
Lydekker, R. 1879 A, 27 (Chenomorphæ).
1891 A, 97 (Anseres).
Meckel, J. F. 1825 A ("wasservögel").
Newton, A. 1885 A, 47 (Chenomorphæ).
Newton and Gadow 1896 A, 86, 134, 820 (Chenomorphæ); 1060 (Anseres).
Parker, W. K. 1875 A, 700, 712 (Chenomorphæ).
1888 D, 478 (Chenomorphæ).
Pycraft, W. P. 1910 A, 419 (Anseres).
Reichenow, A. 1913 A, 130 (Lamellirostres).
Ridgway, R. 1887 A, 84 (Anseres).
Sclater, P. L. 1858 A (Anseres).
Selenka, E. 1869 A (Natatores).
Sharpe, R. B. 1891 A, 76.
Shufeldt, R. W. 1904 B, 853 (Anseriformes, Anseres).
1904 C, 315 (Anseres).
1909 A, 371 (Chenomorphæ).
1914 C (Anseres).
1916 C, 345 (Anseres).
Steiner, H. 1916 A, 493, 499 (Lamellirostres).
1918 A, 321, 490.
1922 A, 310, 327 (Anseres).
Sushkin, P. P. 1899 B, 153 (Anseres).
Vialleton, L. 1916 A, 6.
Virchow, H. 1921 A, 136, fig. 2 ("gans").
Wallace, A. R. 1876 A, I, 490; II, 560 (Anseres).
Weitzel, A. 1865 A, 346 ("schwimmvögel").
Wetmore, A. 1917 A, 556 (Anseres).
Wetmore and Miller 1926 A, 341.
Wray, R. S. 1887 A, 348 (Anseres).
Zittel and Lucas 1902 A, 273 (Chenomorphæ).
Zittel and Schlosser 1911 A, 323 (Chenomorphæ).

Superfamily ANATOIDÆ, new form.

Hay, O. P. 1902 A, 529 (Anatoidea).
Gadow, H. 1893 A, 154 (Anseres).
1910 B, 977 (Anseres).
Garrod, A. H. 1874 A, 116 (Anseres).
Knowlton, F. H. 1909 B, 172 (Anseres).
Köstlin, O. 1844 A ("schwimmvogel").
Lull, R. S. 1917 B, 322 (Anseres).
Pycraft, W. P. 1901 A, 351 (Anseres).
Sharpe, R. B. 1891 A, 76 (Anseres).
Wetmore and Miller 1926 A, 341 (Anseres).

ANATIDÆ Vigors.

Vigors, N. A. 1825 A, 498.
Hay, O. P. 1902 A, 529.
Abel, O. 1912 F, 171.
Allen, J. A. 1871 A.
A. O. U. 1910 A, 66 (Anatidæ).

Arldt, T. 1907 D, 637.
1912 A, 686, 687 (Anseridæ); 710, 756 (Anatidæ).
Beebe, C. W. 1906 A, 487 ("ducks").
Bittner, F. 1912 A, 2, 8.
Bonaparte, C. L. 1831 A, 35.
Brandt, J. F. 1840 A, 170, 185 ("anatiden").
Carus, V. 1875 A, 351.
Dabbene, R. 1910 A, 468.
Evans, A. H. 1899 A, 108, 111.
Finn, F. 1894 A, 210.
Fürbringer, M. 1888 A.
1902 B, 630.
Gadow, H. 1893 A, 155.
1912 B, 210 ("ducks").
Garrod, A. H. 1874 A, 116, 122.
Gegenbaur, C. 1871 A, 179 ("anatiden").
Giebel, C. G. 1855 B, 32 ("enten").
Grote, H. 1902 A, 60 ("schwimmvögel").
Heilmann, G. 1926 A, 102 ("ducks," "geese").
Hesse, H. 1907 A, 203.
Jacquemin, E. 1837 A, 591 ("canards").
Knowlton, F. H. 1909 B, 172.
Leunis and Ludwig 1883 A, 491.
L'Herminier, F. 1836 A, 111 ("canards").
Lobley, J. L. 1908 A, 202, 207.
Lühder, W. 1871 A, 323.
Lydekker, R. 1879 A, 13.
1891 A, 98.
Magnus, H. 1871 A.
Meckel, J. F. 1825 A ("enten").
Miller, L. H. 1925 B, 72.
Miller, W. D. 1924 A, 1 (Anseres).
Owen, R. 1866 B, 26, 61 (Lamellirostrata).
Parker, W. K. 1875 D, 128 ("geese").
1888 D, 477.
1890 A, 1.
Pycraft, W. P. 1906 A, 397 ("geese," "ducks").
1910 A, 50, 402, 450.
Reichenow, A. 1913 A, 133.
Ridgway, R. 1887 A, 84.
Seeley, H. G. 1872 A, 276 ("ducks").
Shufeldt, R. W. 1904 B, 853.
1904 C, 315.
1909 A, 369.
1914 C.
Sieglbauer, F. 1911 A, 267.
Steiner, H. 1918 A, 441, 490 (Anseres).
Sundevall, C. J. 1886 A, 404 (Anates).
Wagner, R. 1843 A ("enten").
Wallace, A. R. 1876 A, II, 363.
Wetmore and Miller 1926 A, 341.

CYGNINÆ Bonaparte.

Bonaparte, C. L. 1838 B, 119.
A. O. U. 1910 A, 89.
Knowlton, F. H. 1909 B, 172.
Lydekker, R. 1891 A, 107.
Oberholser, H. C. 1908 A, 1.
Reichenow, A. 1913 A, 162 (Cygnidæ).
Shufeldt, R. W. 1914 C.
Wetmore and Miller 1926 A, 341.

CYGNUS Bechstein. Type *Cygnus musicus* Bechstein = *Anas cygnus* Linnæus.

Bechstein, J. M. 1803, Ornith. Taschenb. Deutschl., II.
Hay, O. P. 1902 A, 530 (Olor).
Abel, O. 1912 F, 171.
Adolphi, H. 1922 A, 16, 51, figs. 4, 22, 24, 25 (Olor).
Allen, J. A. 1893 B, 99 (Olor).
A. O. U. 1910 A, 89 (Olor).
Arldt, T. 1907 D, 649.
Beddard, F. E. 1898 A, 462, 466.
Beebe, C. W. 1906 A, 494 ("swans").
Bignon, F. 1889 A.
Bittner, F. 1912 A, 8.
Bonsdorff, E. J. 1871 A, 310.
Brit. Ornith. Union Comm. List of Brit. Birds, ed. 2. 1915, 382.
Bronn, H. G. 1849 A, 696.
Chandler, A. C. 1916 C, 329 (Olor).
Eimer, G. H. T. 1901 A, 207, 231.
Evans, A. H. 1899 A, 135.
Eyton, T. C. 1867 A, 205 (Cygnus).
1869 A, pls. i, iv.
Foote, J. S. 1916 A, 71, pl. vii (Olor).
Fürbringer, M. 1888 A, pls. ii-v, vii.
Gegenbaur, C. 1871 A, 179.
Giebel, C. G. 1855 B, 31 ("schwann").
Harting, P. 1866 A, 24.
Heilmann, G. 1913 B, 29, fig. 74.
1926 A, 207, fig. 131 ("swan").
Heinroth, O. 1923 A, 279, pl. v.
Hesse, H. 1907 A, 204, pl. vii, fig. 4.
Kessler, K. T. 1841 A, 675, 690.
Kingsbury, B. F. 1926 A, 103.
Knowlton, F. H. 1909 B, 172.
Köstlin, O. 1844 A.
Lambrecht, K. 1914 A, 65.
Lebedinsky, N. G. 1918 B, 136, fig. 3 (Olor).
Leunis and Ludwig 1883 A, 487.
Lilienthal, G. 1917 A, 271 ("schwan").
Lüdher, W. 1871 A, 329.
Lydekker, R. 1891 A, 107.
Mackie, S. J. 1863 C, 109.
Magnan, A. 1922 A, 170, pl. x.
Magnus, H. 1871 A.
Meckel, J. F. 1825 A.
Newton and Gadow 1896 A, 1065.
Nitzsch, C. L. 1862 B, 408.
Oberholser, H. C. 1908 A, 2 (Olor).
Owen, R. 1866 B, fig. 101 ("swans").
1868 A, 875.
Parker, W. K. 1875 A, 719.
1888 D, 466, 478.
1890 A, 4, pls. ii-v.
Pycraft, W. P. 1906 A, 402.
Reichenow, A. 1913 A, 163.
Ridgway, R. 1887 A, 88, 120, pl. xxix (Olor).
Selenka, E. 1869 A, pls. x, xvii.
Shufeldt, R. W. 1909 A, 378 (Olor).
1914 C, 38, 40 (Olor).
1916 C, 346 (Olor).
Sieglbaur, F. 1911 A, 267.
Steiner, H. 1918 A, 325, 490.
Sundevall, C. J. 1886 A, 401, 410.
Sushkin, P. P. 1899 B, 153 (Olor).
Taschenberg, O. 1899 A, 4028.
Wagner, J. G. 1832, Isis, xxv, 1234 (Olor).
Weitzel, A. 1865 A, 342.

Cygnus buccinator Richardson.

Richardson, J. 1831 (1832), Fauna Bor.-Amer., 464.
A. O. U. 1910 A, 89 (Olor).
Fürbringer, M. 1888 A.
Oberholser, H. C. 1908 A, 3 (Olor, subgenus Clangocicnus).
Shufeldt, R. W. 1909 A, 311, 331, 335 (Olor).
1913 A, 39 (Olor).
1913 B, 150; pl. xxvi, figs. 315, 317, 318; pl. xxxiv, fig. 419; pl. xxxv, figs. 423, 424; pl. xxxvi, fig. 430; pl. xxxvii, figs. 433-436 (Olor).
1913 F, 307 (Olor).
1914 C, 31, 32 (Olor).
Wyman, J. 1843 A, 119.
Recent; interior and western North America: Pleistocene (Fossil Lake); Oregon.

Cygnus columbianus (Ord).

Ord, G. 1815, Guthrie's Geogr., 2d Amer. ed., 319 (Anas).
Miller, L. H. 1924 B, 180, fig. 2.
1925 B, 73 (Olor).
Oberholser, H. C. 1908 A, 4 (Olor).
Shufeldt, R. W. 1913 B, 150, 172, pl. xxxvi, fig. 429; pl. xxxvii, figs. 437, 438 (Olor americanus).
1913 F, 307 (Olor).
1914 C, pl. vii (Olor).
Recent; North America: Pleistocene (Fossil Lake); Oregon.

Cygnus matthewi (Shufeldt).

Shufeldt, R. W. 1913 B, 145, 151, pl. xxvi, fig. 309; pl. xxxv, fig. 422 (Olor).
Lambrecht, K. 1921 A, 11 (Olor).
Shufeldt, R. W. 1893 C, 683, fig. 2 (Olor paloregonus).
1913 F, 307 (Olor).
Pleistocene (Fossil Lake); Oregon.

Cygnus paloregonus Cope.

Hay, O. P. 1902 A, 530 (Olor).
1923 A, 8 (Olor).
1927 D, 244, 266, 267 (Olor); 266, 267 (Olor palæocygnus); 268 (Cygnus paloregonus).
Lambrecht, K. 1916 C, 494.
1921 A, 11 (Olor).
Lindgren and Drake 1904 A, 3 (Olor palæocygnus. This species?).
Lucas, F. A. 1900 H, 99 (Olor paleocygnus. This species?).
1904 F, 3 (Olor paleocygnus. This species?).
Merriam, J. C. 1917 A, 432 (Olor palæocygnus).
Miller, L. H. 1912 A, 81, 112 (Olor).
Oberholser, H. C. 1908 A, 3 (Olor).
Osborn, H. F. 1910 B, 460.
Shufeldt, R. W. 1893 E, 683, fig. 2 (Olor).
1909 A, 335 (Olor).
1913 A, 37 (Olor).
1913 B, 145, 149, pl. xix, fig. 257; pl. xxvi, figs. 310, 316; pl. xxxiv, fig. 420; pl. xxxv, figs. 421, 425; pl. xxxvi, fig. 431 (Olor).
1916 C, 346 (Olor).
Pleistocene (Fossil Lake); Oregon: (Idaho); Idaho.

Cygnus sp. indet.

Hay, O. P. 1927 D, 71, 191 (Cygnus); 75 (Olor); 245 ("swan").
Pleistocene; California, Idaho, Oregon.

ANSERINÆ Swainson.

Swainson, W. 1837 A, 364.
Abel, O. 1926 B, 239 ("gänse").
A. O. U. 1910 A, 83.
Arldt, T. 1907 D, 56, 87.
Evans, A. H. 1899 A, 131.
Fürbringer, M. 1888 A, 52, 54, 61 (Anseres).
Knowlton, F. H. 1909 B, 177.
Leunis and Ludwig 1883 A, 848 (Anseridæ).
Lydekker, R. 1891 A, 103.
Reichenow, A. 1913 A, 157 (Anseridæ).
Ridgway, R. 1887 A, 87.
Shufeldt, R. W. 1914 C.
Sieglbauer, F. 1911 A, 267.
Wetmore and Miller 1926 A, 341.

LAORNIS Marsh. Type *L. edvardsianus* Marsh.

Hay, O. P. 1902 A, 531.
Fürbringer, M. 1888 A, 1141.
1902 B, 629.
Heilprin, A. 1887 A, 330.
Lambrecht, K. 1916 C, 493.
Newton and Gadow 1896 A, 281.
Van den Broeck, E. 1900 A, 77.
Wallace, A. R. 1876 A, I, 164.
Zittel and Schlosser 1911 A, 323.
1923 A, 399.

Laornis edvardsianus Marsh.

Hay, O. P. 1902 A, 531.
Delafontaine, M. 1875 A, 176 (L. edwardianus).
Lambrecht, K. 1921 A, 65 (L. edwardsianus).
Shufeldt, R. W. 1915 D, 21, 76, pl. ii, fig. 10.
Wetmore, A. 1928 A, 150.
Upper Cretaceous (Navesink-Hornerstown): New Jersey.

BRANTA Scopoli. Type *Anas bernicla* Linnæus.

Scopoli, G. A. 1769, Annus I, Hist. Nat., 67.
Hay, O. P. 1902 A, 530.
Adolphi, H. 1922 A, 58 (Bernicla).
Allen, J. A. 1893 B, 99.
Beddard, F. E. 1898 A, 57, 468 (Bernicla).
Chandler, A. C. 1916 C, 328.
Evans, A. H. 1899 A, 131 (Bernicla).
Foote, J. S. 1916 A, 73 (Bernicla).
Fürbringer, M. 1888 A, 150, pls. i, v, vii (Bernicla).
Heilmann, G. 1915 A, 97.
Hesse, H. 1907 A, 206.
Knowlton, F. H. 1909 B, 180.
Leunis and Ludwig 1883 A, 489 (Bernicla).

Magnan, A. 1922 A, 170.
Miller, L. H. 1924 B, 179.
Ridgway, R. 1887 A, 87, 116, pl. xxviii.
Shufeldt, R. W. 1901 B, 315 (Bernicla).
1909 A, 370.
1914 C.
1916 C, 346.

Branta bernicla glaucogastra (Brehm).

Brehm, C. L. 1831, Handb. Vögel Deutschl., 849.
Miller, L. H. 1924 B, 178 (B. bernicla).
Shufeldt, R. W. 1913 A, 39 (B. bernicla).
1913 B, 147, 150, pl. xxxii, figs. 400-402, 404.
1913 F, 307 (B. bernicla).
Recent; Northern Hemisphere: Pleistocene (Fossil Lake); Oregon.

Branta canadensis (Linnæus).

Linnæus, C. 1758 A, 123 (Anas).
Hay, O. P. 1902 A, 530.
Abel, O. 1912 F, 22.
Beebe, C. W. 1906 A, 490 ("Canada goose").
Evans, A. H. 1899 A, 131 (Bernicla).
Foote, J. S. 1916 A, 73, pl. vii (Bernicla).
Hay, O. P. 1927 D, 172, 186, 244.
Knowlton, F. H. 1909 B, 181, fig. 59.
Miller, L. H. 1909 B, 306.
1911 C, 396, 400.
1912 A, 71, 78, 81, 112.
1914 A, 36.
1921 C, 129.
1924 B, 179.
1925 B, 72.
1928 A, 120.
Osborn, H. F. 1910 B, 473.
1925 D, 542.
Shufeldt, R. W. 1909 A, 370, figs. 33, 38, 42.
1913 B, 146, 148, pl. xxv, figs. 304, 305; pl. xxviii; pl. xxxiii, figs. 412, 413, 415; pl. xxxiv, fig. 418; pl. xxxvi, fig. 428.
1914 C, pls. iv, v, x.
1915 D, 64, pl. xiii, figs. 99, 100.
Recent; North America: Pleistocene; California, Oregon.

Branta canadensis hutchinsi (Richardson).

Richardson, J. 1831 (1832) Fauna Bor. Amer., 470 (Anser hutchinsi).
Coues, E. 1884 A, 689 (Bernicla).
Knowlton, F. H. 1909 B, 181.
Shufeldt, R. W. 1913 A, 39 (B. hutchinsi).
1913 B, 147, pl. xxxiii, fig. 414.
1913 F, 307 (This subspecies?).
1914 C, pl. v.
Recent; western North America: Pleistocene (Caves); California: (Fossil Lake); Oregon.

Branta canadensis minima Ridgway.

Ridgway, R. 1885, Proc. U. S. Nat. Mus., VIII, 22 (B. minima).
Miller, L. H. 1925 B, 72.
Shufeldt, R. W. 1913 A, 39.
1913 B, 174, pl. xxxviii, figs. 464, 465.
1913 F, 307 (This subspecies?).
Recent; western North America: Pleistocene (Fossil Lake?); Oregon.

Branta dickeyi Miller.

Miller, L. H. 1924 B, 179, figs. 1, 2.
Hay, O. P. 1927 D, 198.
Miller, L. H. 1925 A, 316, figs. 1, 2.
Osborn, H. F. 1925 D, 542.
Pleistocene (McKittrick); California.

Branta hypsibata (Cope).

Hay, O. P. 1902 A, 530.
1927 D, 244.
Lambrecht, K. 1921 A, 13 (B. hypsibatus).
Miller, L. H. 1912 A, 81, 112.
1924 B, 178.
Shufeldt, R. W. 1913 B, 125 (Anser); 147, 156, pl. ix, fig. 5; pl. xxv, figs. 298, 299; pl. xxvii (Branta).
Pleistocene (Fossil Lake); Oregon.

Branta minuscula Wetmore.

Wetmore, A. 1924 A, 6, fig. 3.
Hay, O. P. 1927 D, 136.
Miller, L. H. 1924 B, 178 (B. meniscula).
Wetmore, A. 1928 A, 154.
Pliocene? (San Pedro Valley); Arizona.

Branta propinqua Shufeldt.

Hay, O. P. 1902 A, 530.
1927 D, 244.
Lambrecht, K. 1921 A, 13.
Miller, L. H. 1912 A, 81, 112.
Shufeldt, R. W. 1913 B, 148, pl. xxix.
1914 C, pl. ii.
Pleistocene (Fossil Lake); Oregon.

Branta sp. indet.

Gidley, J. W. 1922 B, 120. Pliocene? (San Pedro Valley); Arizona.
Hay, O. P. 1927 D, 186. Pleistocene; California.
Merriam, J. C. 1911 B, 211, 212, 234, fig. 3.
1917 A, 429. Pliocene (Thousand Creek); Nevada.
Miller, L. H. 1910 C, 11. Pleistocene (La Brea); California.
Wetmore, A. 1923 A, 489 (This genus?). Upper Miocene (Lower Snake Creek); Nebraska.

ANSER Brisson. Type *Anas anser* Linnæus.

Brisson, M. J. 1760, Ornith., VI, 261.
Hay, O. P. 1902 A, 530.
Adolphi, H. 1922 A, 60.
Allen, J. A. 1893 B, 99.
A. O. U. 1910 A, 84.
Arldt, T. 1907 D, 87, 156.
Bignon, F. 1889 A.
Bittner, F. 1912 A, 8.
Bonsdorff, E. J. 1871 A, 310.
Bronn, H. G. 1849 A, 696.
Eimer, G. H. T. 1901 A, 207, 231.
Engelmann, O. 1910 A, 487.
Eyton, T. C. 1867 A, 205.
1869 A, pl. iii.
Fürbringer, M. 1888 A.
Gaupp, E. 1908 B, 528.

Gegenbaur, C. 1871 A, 173 ("gans").
Harting, P. 1866 A, 24.
Heilmann, G. 1926 A, 203, fig. 3.
Kessler, K. T. 1841 A, 675, 690.
Kingsbury, B. F. 1926 A, 103.
Knowlton, F. H. 1909 B, 178.
Krukenberg, A. 1849 A, 413 ("gans").
Lambrecht, K. 1914 A, 65, pl. viii.
Lebedinsky, N. G. 1921 A, 13.
Leunis and Ludwig 1883 A, 488.
Lilienthal, G. 1917 A, 271 ("gans").
Lydekker, R. 1879 A, 36, pl. iv, fig. 2.
Mackie, S. J. 1863 C, 109.
Magnan, A. 1922 A, 170, pls. v, xi, xiii, xiv.
Magnus, H. 1871 A.
Meckel, J. F. 1825 A ("gänse").
Miller, L. H. 1924 B, 180.
Miller, W. D. 1924 A, 5, fig. 7.
Nitzsch, C. L. 1862 B, 412.
Norsa, E. 1895 A, 234.
Owen, R. 1848 B, 184.
1868 A, 860.
Parker, W. K. 1890 A, 16, pl. 1.
Prein, F. 1914 A, 678.
Reichenow, A. 1913 A, 158.
Ridgway, R. 1887 A, 87, 115, pl. xxviii.
Shufeldt, R. W. 1909 A, 369.
1914 C.
Steiner, H. 1921 A, 538.
1922 A, 310, 317, figs. 4-8.
Sundevall, C. J. 1886 A, 405.
Szalay, E. L. 1902 A, 12, pls. i-iii.
Virchow, H. 1919 A, 326, fig. 11 ("gans").
Vitali, G. 1909 A, 214.
Weitzel, A. 1865 A, 341.

Anser albifrons gambelli Hartlaub.

Hartlaub, C. J. G. 1852, Revue et Mag. Zool., 7 (A. gambelli).
Hay, O. P. 1902 A, 530 (A. albifrons).
Coues, E. 1884 A, 684.
Hay, O. P. 1927 D, 172, 186 (A. albifrons); 244 (A. gambelli).
Knowlton, F. H. 1909 B, 178 (A. albifrons).
Miller, L. H. 1912 A, 78, 81, 112.
1914 A, 36 (A. albifrons).
1928 A, 120 (A. albifrons).
Osborn, H. F. 1925 D, 542 (A. albifrons?).
Shufeldt, R. W. 1909 A, 369 (A. albifrons).
1913 B, 144, 146, pl. xxiv, figs. 290, 291, 293, 295; pl. xxv, fig. 303; pl. xxxii, figs. 408-411.
1914 C, 32, pls. v, xi.

The subspecific name is usually spelled *gambeli*.

Recent; Central and western North America: Pleistocene (Fossil Lake); Oregon; (La Brea, San Pedro); California.

Anser condoni Shufeldt.

Hay, O. P. 1902 A, 530.
Haug, E. 1911 A, 1886.
Hay, O. P. 1927 D, 244.
Lambrecht, K. 1921 A, 12.
Miller, L. H. 1912 A, 81, 112.
Osborn, H. F. 1910 B, 460.
Shufeldt, R. W. 1909 A, 335.
1913 B, 125, 145, pl. ix, fig. 3.
1916 C, 346.

Pleistocene (Fossil Lake); Oregon.

Anser sp. indet.

Miller, L. H. 1910 C, 11. Pleistocene (La Brea); California.

Chen Boie. Type *Anser hyperboreus* Pallas.

Boie, F. 1822, Isis, x, 563.
Hay, O. P. 1902 A, 530.
A. O. U. 1910 A, 83.
Beddard, F. E. 1898 A, 467.
Chandler, A. C. 1916 C, 328.
Knowlton, F. H. 1909 B, 179.
Miller, L. H. 1925 A, 315.
Newton and Gadow 1896 A, 300, 374, 1026.
Ridgway, R. 1887 A, 87, 114, pl. xxviii.
Shufeldt, R. W. 1909 A, 371.
1914 C.

Chen cærulescens (Linnæus).

Linnæus, C. 1758 A, 124.
A. O. U. 1910 A, 84.
Shufeldt, R. W. 1913 B, 145, pl. xxv, fig. 301; pl. xxvi, figs. 306, 307, 312; pl. xxxiv, fig. 416; pl. xxxvi, fig. 426 (C. cærulescens).
1914 C, pl. x (C. cœrulescens).

Recent; Eastern North America: Pleistocene (Fossil Lake); Oregon.

Chen hyperboreus (Pallas).

Pallas, P. S. 1769, Spic. Zool., I, fasc. vi, 25 (Anas).
Hay, O. P. 1902 A, 530 (C. hyperborea).
A. O. U. 1910 A, 83.
Evans, A. H. 1899 A, 133.
Hay, O. P. 1927 D, 198, 244.
Miller, L. H. 1912 A, 81, 112 (C. hyperborea).
1928 A, 120.
Osborn, H. F. 1925 D, 542.
Shufeldt, R. W. 1909 A, 371.
1913 B, 125, 144, pl. ix, fig. 2; pl. xxiv, figs. 289, 292, 294, 296; pl. xxv, figs. 297, 300.
1914 C, 23, 32.

Recent; North America: Pleistocene (Fossil Lake); Oregon.

Chen hyperboreus nivalis (J. R. Forster).

Forster, J. R. 1772, Philos. Trans., LXII, 433 (Anas nivalis).
A. O. U. 1910 A, 83.
Knowlton, F. H. 1909 B, 179, fig. 58.
Shufeldt, R. W. 1913 B, 145, pl. xxv, fig. 302; pl. xxvi, figs. 308, 311, 314; pl. xxxiv, fig. 417; pl. xxxvi, fig. 427.

Recent; North America: Pleistocene (Fossil Lake); Oregon.

DENDROCYGNINÆ Shufeldt.

Shufeldt, R. W. 1914 C, 60.
Wetmore and Miller 1926 A, 341.

DENDROCYGNA Swainson. Type *Anas arcuata* Horsfield.

Swainson, W. 1837 A, 365.
Knowlton, F. H. 1909 B, 183.
Reichenow, A. 1913 A, 154.
Ridgway, R. 1887 A, 87, 118, pl. xxv.
Shufeldt, R. W. 1914 C, 1-70, pls. i-iv, viii, x, xvi.
Wetmore, A. 1924 A, 3.

Dendrocygna eversa Wetmore.

Wetmore, A. 1924 A, 3, 5, figs. 1, 2.
Gidley, J. W. 1922 B, 120 (D. n. sp.).
Hay, O. P. 1927 D, 136.
Wetmore, A. 1928 A, 154.
Pliocene? (San Pedro Valley); Arizona.

ANATINÆ Swainson.

Swainson, W. 1837 A, 366.
Abel, O. 1926 B, 239 ("enten").
A. O. U. 1910 A, 68.
Evans, A. H. 1899 A, 123.
Fürbringer, M. 1888 A.
Knowlton, F. H. 1909 B, 183 ("ducks").
Lydekker, R. 1891 A, 111.
Reichenow, A. 1913 A, 142.
Ridgway, R. 1887 A, 84.
Shufeldt, R. W. 1914 C.
Wetmore and Miller 1926 A, 341.

ANAS Linnæus. Type *A. boschas* Linnæus = *A. platyrhynchos* Linnæus.

Linnæus, C. 1758 A, 122.
Hay, O. P. 1902 A, 529.
Adolphi, H. 1922 A, 64, figs. 26, 27.
Aeby, C. 1873 A, 701.
Allen, J. A. 1893 B, 99.
A. O. U. 1910 A, 68.
Arldt, T. 1907 D, 637.
Beddard, F. E. 1898 A, 75, 460.
Beecker, A. 1903 A, 583.
Bignon, F. 1889 A.
Bittner, F. 1912 A, 6.
Bonsdorff, E. J. 1871 A, 310.
Bronn, H. G. 1849 A, 696.
Chandler, A. C. 1916 C, 329.
Cuvier, G. 1805 A.
Diethelm, M. 1907 A, 41.
Döderlein, L. 1923 A, 142, 162.
Dollo, L. 1906 C, 9, fig. 3.
Foote, J. S. 1916 A, 69, pl. 6.
1921 A, 8, pl. ii, fig. 15.
Fürbringer, M. 1888 A, pl. ii.
Gaupp, E. 1905 D, 1029, figs. 45, 46.
Gegenbaur, C. 1871 A, 173.
Geoffroy St. Hilaire, E. F. 1832 A, 354 ("canard").
Giebel, C. G. 1855 B, 31.
Heilmann, G. 1926 A, 204 ("duck").
Hesse, H. 1907 A, 206, pl. vii, fig. 5.
Hommes, J. H. 1924 A, 14, figs. 1, 3, 5-7.
Huxley, T. H. 1867 A, 436, fig. 18 (Querquedula).
Kessler, K. T. 1841 A, 675, 690.
Kingsbury, B. F. 1926 A, 103.
Kingsley, J. S. 1925 A, 175, fig. 189 ("duck").
Knopfli, W. 1917 A, 50.
Knowlton, F. H. 1909 B, 185.
Köstlin, O. 1844 A.
Kulczycki, W. 1901 A, 577.
Lambrecht, K. 1914 A, 65.
Lapicque and Girard 1907 A, 1017.
Lebedinsky, N. G. 1913 B, 193.
1917 A, 322, 326, figs. 5, 6.
1918 B, 133.
1921 A, 9, fig. 1.
Leunis and Ludwig 1883 A, 491.
Lydekker, R. 1891 A, 114.
Mackie, S. J. 1863 C, 109.
Magnan, A. 1922 A, 170, pl. xi.
Magnus, H. 1871 A.
Meckel, J. F. 1825 A.
Mehnert, E. 1887 B, 213.
Nauck, E. T. 1926 B, 40, figs. 8, 9.
Newton and Gadow 1896 A, 1060.
Nitzsch, C. L. 1862 B, 414.
Noordenbos, W. 1905 B, 376.
Norsa, E. 1895 A, 234.
Owen, R. 1866 B, 32, fig. 22.
1868 A, 860.
Parker, W. K. 1890 A, 31, pls. i, ii.
Parker and Haswell 1897 A, 401, fig. 1005.
Prein, F. 1914 A, 678.
Pycraft, W. P. 1906 A, 399.
Reichenow, A. 1913 A, 145.
Reynolds, S. H. 1897 A, 304-327 (Anas); 539, figs. 56-61 ("duck").
Ridgway, R. 1887 A, 84, 90, pls. xxii, xxiii.
Sedgwick, A. 1894 A, 43 ("duck").
Shufeldt, R. W. 1909 A, 369.
1914 C.
Sieglbauer, F. 1911 A, 268.
Sippel, W. 1907 A, 519 ("ente").
Sonies, F. 1907 A, 395 ("enten").
Steiner, H. 1921 A, 538.
Sundevall, C. J. 1886 A, 405.
Wallace, A. R. 1876 A, II, 363.
Weitzel, A. 1865 A, 342.

Anas platyrhynchos Linnæus.

Linnæus, C. 1758 A, 125.
Hay, O. P. 1902 A, 529 (A. boschas).
A. O. U. 1910 A, 68.
Evans, A. H. 1899 A, 127 (A. boschas).
Eyton, T. C. 1867 A, 207 (A. boschas).
1869 A, pl. ix (A. boschas).
Foote, J. S. 1916 A, 69, pl. vi (A. boscas).
Hay, O. P. 1927 D, 172, 186, 198, 244.
Knopfli, W. 1917 A, 50 (A. boscas).
Knowlton, F. H. 1909 B, 185, fig. 61 (A. boscas).
Lebedinsky, N. G. 1918 B, 132, fig. 2 (A. boschas).
Lydekker, R. 1891 A, 114 (A. boscas).

Miller, L. H. 1912 A, 80, 112.
1914 A, 35.
1925 A, 313.
1925 B, 72 (This species?).
1927 A, 156 (This species?).
Osborn, H. F. 1925 D, 542.
Shufeldt, R. W. 1913 B, 170, pl. xxxi, figs. 386, 387.
Shufeldt, R. W. 1914 C, pl. vi, fig. 36.
Steiner, H. 1922 A, 313, figs. 1, 2 (A. boschas).
Wetmore, A. 1928 B, 3 (A. platyrhyncha).
Recent; northern hemisphere: Pleistocene (Fossil Lake); Oregon: (San Pedro, La Brea, McKittrick); California.

CHAULELASMUS Bonaparte. Type *Anas strepera* Linnæus.

Bonaparte, C. L. 1838, Geogr. and Comp. List, 56.
A. O. U. 1910 A, 69.
Coues, E. 1884 A, 693.
Shufeldt, R. W. 1914 C, 12.

Chaulelasmus streperus (Linnæus).

Linnæus, C. 1758, Syst. Nat., ed. 10, I, 125 (Anas).
A. O. U. 1910 A, 69.
Coues, E. 1884 A, 693.
Hay, O. P. 1927 D, 186.
Miller, L. H. 1912 A, 78, 112.
Osborn, H. F. 1925 D, 542.
Shufeldt, R. W. 1892 D, 406 (Anas).
1913 B, 143 (Anas).
1914 C, pl. vi.
Recent; nearly cosmopolitan: Pleistocene (La Brea); California: (Fossil Lake); Oregon.

MARECA Stephens. Type *Anas penelope* Linnæus.

Stephens, J. F. 1824, Gen. Zool., XII, pt. ii, 130.
Hay, O. P. 1902 A, 529 (Anas, in part).
A. O. U. 1910 A, 69.
Chandler, A. C. 1916 C, 329.
Coues, E. 1884 A, 693.
Parker, W. K. 1875 A, 712.

Mareca americana (Gmelin).

Gmelin, J. F. 1789, Syst. Nat., I, II, 526 (Anas).
Hay, O. P. 1902 A, 529 (Anas).
A. O. U. 1910 A, 70.
Hay, O. P. 1927 D, 198, 244.
Miller, L. H. 1912 A, 80, 112.
1925 A, 313.
Osborn, H. F. 1925 D, 542.
Shufeldt, R. W. 1909 A, 272.
1913 B, 156.
1914 C, 16.
Recent; North America: Pleistocene (Fossil Lake); Oregon.

DAFILA Stephens. Type *Anas acuta* Linnæus.

Stephens, J. F. 1824, Gen. Zool. XII, pt. ii, 126.
Hay, O. P. 1902 A, 529.
Allen, J. A. 1893 B, 107.
A. O. U. 1910 A, 72.
Arldt, T. 1907 D, 87, 156.
Dabbene, R. 1910 A, 231.
Knowlton, F. H. 1909 B, 187.
Newton and Gadow 1896 A, 109, 726.
Ridgway, R. 1887 A, 85, 97, pl. xxiii.
Shufeldt, R. W. 1909 A, 373.

Dafila acuta (Linnæus).

Linnæus, C. 1758 A, 126 (Anas).
Hay, O. P. 1902 A, 529.
Evans, A. H. 1899 A, 125.
Eyton, T. C. 1867 A, 208.
Hay, O. P. 1927 D, 198, 244.
Knowlton, F. H. 1909 B, 187, fig. 188.
Miller, L. H. 1912 A, 80, 112.
1925 A, 314.
Osborn, H. F. 1925 D, 542 (This species?).
Shufeldt, R. W. 1909 A, 373.
1913 B, 175, pl. xxxix, figs. 478, 479.
1914 C, 18.
Recent; whole northern hemisphere; Pleistocene (Fossil Lake); Oregon.

NETTION Kaup. Type *Anas crecca* Linnæus.

Kaup, J. J. 1829, Skizz. Entw.-Gesch. europ. Thierw., 95.
Hay, O. P. 1902 A, 529 (Anas, in part).
A. O. U. 1910 A, 70.
Miller, L. H. 1914 A, 35.

Nettion carolinense (Gmelin).

Gmelin, J. F. 1789, Syst. Nat. I, II, 533 (Anas).
Hay, O. P. 1902 A, 529 (Anas).
1927 D, 309.
Miller, L. H. 1912 A, 75, 80, 112.
1916 D, 173 (This species?).
1925 A, 313.
1925 B, 72 (This species?).
Osborn, H. F. 1925 D, 542.
Shufeldt, R. W. 1913 B, 146.
1914 C, pl. vi.
Recent; North America: Pleistocene (Hawver Cave); California: (Fossil Lake); Oregon: ?Miocene (Cedar Mountain); California.

QUERQUEDULA Oken. Type *Anas querquedula* Linnæus.

Oken, L. 1817, Isis, I, 1183.
Hay, O. P. 1902 A, 529 (Anas, in part).
A. O. U. 1910 A, 71.
Arldt, T. 1907 D, 678.
Beddard, F. E. 1898 A, 459, 467.
Chandler, A. C. 1916 C, 328.
Coues, E. 1884 A, 694.
Dabbene, R. 1910 A, 70, 232, fig. 40.
Eyton, T. C. 1869 A, pls. viii, xviii.
Huxley, T. H. 1867 C, 256, fig. 18.
Magnan, A. 1922 A, 170.
Newton and Gadow 1896 A, 297, 309, 983.
Parker, W. K. 1875 A, 712.
Shufeldt, R. W. 1914 C, 16.
Wetmore, A. 1924 A, 3.

Querquedula cyanoptera (Vieillot).

Vieillot, L. J. P. 1816, Nouv. Dict. d'Hist. Nat., v, 104.
Hay, O. P. 1902 A, 529 (Anas).
A. O. U. 1910 A, 71.
Hay, O. P. 1927 D, 172, 198, 244.
Miller, L. H. 1912 A, 80, 112.
1914 A, 36.
1916 D, 173 (This species?).
1925 A, 313.
Osborn, H. F. 1925 D, 542.
Shufeldt, R. W. 1913 B, 170, pl. xxxi, fig. 382.
Recent; South America, North America: Pleistocene (Fossil Lake); Oregon: (San Pedro beds); California: Upper Miocene (Cedar Mountain); California.

Querquedula discors Linnæus.

Linnæus, C. 1766, Syst. Nat., ed. 12, I, 205 (Anas).
Hay, O. P. 1902 A, 529 (Anas).
1927 D, 244.
Miller, L. H. 1912 A, 80, 112.
Shufeldt, R. W. 1913 B, 156.
1914 C, 32.
Recent; North America: Pleistocene (Fossil Lake); Oregon.

Querquedula floridana Shufeldt.

Shufeldt, R. W. 1917 B, 36, pl. i, fig. 4; pl. ii, fig. 25.
Hay, O. P. 1923 A, 382.
Shufeldt, R. W. 1916 E, 18 (No description).
Pleistocene (Middle?); Florida.

Querquedula sp. indet.

Hay, O. P. 1927 D, 136. Pleistocene or Pliocene; Arizona.
Wetmore, A. 1924 A, 3. Pliocene? (San Pedro Valley); Arizona.

SPATULA Boie. Type *Anas clypeata* Linnæus.

Boie, F. 1822, Isis, x, 564.
Hay, O. P. 1902 A, 529.
Allen, J. A. 1893 B, 99, 107.
A. O. U. 1910 A, 72.
Knowlton, F. H. 1909 B, 189.
Leunis and Ludwig 1883 A, 493.
Magnan, A. 1922 A, 170.
Ridgway, R. 1887 A, 85, 96, pl. xxiii.
Shufeldt, R. W. 1909 A, 380.

Spatula clypeata (Linnæus).

Linnæus, C. 1758 A, 124 (Anas).
Hay, O. P. 1902 A, 529.
A. O. U. 1910 A, 72.
Evans, A. H. 1899 A, 124.
Eyton, T. C. 1867 A, 209.
Hay, O. P. 1927 D, 198, 244.
Knowlton, F. H. 1909 B, 189.
Miller, L. H. 1912 A, 80, 112.
1925 A, 314.
Newton, E. T. 1891 A, 84, pl. ix, figs. 7*a*, 7*b*.
Osborn, H. F. 1925 D, 542.
Shufeldt, R. W. 1909 A, 380, figs. 13-16, 19, 21, 22, 24, 25.
1913 B, 156.
1914 C, 30, 32.
Recent; whole northern hemisphere: Pleistocene (Fossil Lake); Oregon.

AIX Boie. Type *Anas sponsa* Linnæus.

Boie, F. 1828, Isis von Oken, xxi, 329.
Hay, O. P. 1902 A, 529.
A. O. U. 1910 A, 73.
Arldt, T. 1907 D, 156, 211.
Eyton, T. C. 1867 A, 208.
Knowlton, F. H. 1909 B, 189.
Leunis and Ludwig 1883 A, 493.
Newton and Gadow 1896 A, 949.
Shufeldt, R. W. 1909 A, 369.
1914 C, 16, seq.
Wallace, A. R. 1876 A, II, 363.

Aix sponsa (Linnæus).

Linnæus, C. 1758 A, 128 (Anas).
Hay, O. P. 1902 A, 529.
A. O. U. 1910 A, 73.
Beddard, F. E. 1898 A, 535 (Aex).
Evans, A. H. 1899 A, 133 (Aex).
Eyton, T. C. 1869 A, pl. xviii.
Hay, O. P. 1927 D, 244.
Knowlton, F. H. 1909 B, 190, fig. 63, plate.
Miller, L. H. 1912 A, 80, 112.
Shufeldt, R. W. 1913 B, 156.
1914 C, pls. vi, xi, xiii.
Recent; North America: Pleistocene (Fossil Lake); Oregon.

FULIGULINÆ Swainson.

Swainson, W. 1837 A, 368.
A. O. U. 1910 A, 73.
Knowlton, F. H. 1909 B, 191.
Pycraft, W. P. 1906 A, 406.
Reichenow, A. 1913 A, 134.
Shufeldt, R. W. 1914 C, 41.

MARILA Oken. Type *Anas marila* Linnæus.

Oken, L. 1817, Isis, I, 1183.
Hay, O. P. 1902 A, 530 (Athya).
A. O. U. 1910 A, 74.
Chandler, A. C. 1916 C, 328.
Fürbringer, M. 1888 A, pl. ii (Fuligula).
Knowlton, F. H. 1909 B, 193 (Fuligula).
Leunis and Ludwig 1883 A (Fulix).
Newton and Gadow 1896 A, 1068 (Fuligula).
Ridgway, R. 1887 A, 85, 101, pl. xxiv (Athya).
Shufeldt, R. W. 1913 B, 141.

Marila affinis (Eyton).

Eyton, T. C. 1838, Monogr. Anatidæ, 157 (Fuligula).
A. O. U. 1910 A, 75.
Shufeldt, R. W. 1913 A, 39.
1913 B, 141, pl. xxxi, figs. 388, 389, 392, 393.
1913 F, 307.
Recent; North America: Pleistocene (Fossil Lake); Oregon.

Marila americana (Eyton).

Eyton, T. C. 1838, Monogr. Anatidæ, 155 (Fuligula).
A. O. U. 1910 A, 74.
Hay, O. P. 1927 D, 198.
Miller, L. H. 1925 A, 314.
Osborn, H. F. 1925 D, 542.
Shufeldt, R. W. 1913 A, 39.
1913 B, 141, pl. xxxi, figs. 384, 385 (This species?).
1913 F, 307 (This species?).
Recent; North America: Pleistocene (Fossil Lake); Oregon.

Marila collaris (Donovan).

Donovan, E. 1809, Brit. Birds, VI, 147 (Anas).
A. O. U. 1910 A, 75.
Miller, L. H. 1916 D, 173 (This species?).
Shufeldt, R. W. 1913 A, 39.
1913 B, 141 (This species?).
1913 F, 307 (This species?).
Recent; North America: Pleistocene (Fossil Lake?); Oregon: Upper Miocene (Cedar Mountain?); California.

Marila marila (Linnæus).

Linnæus, C. 1761, Fauna Suecica, ed. 2, 39 (Anas).
Hay, O. P. 1902 A, 530 (Athya).
A. O. U. 1910 A, 75.
Evans, A. H. 1899 A, 121 (Fuligula).
Knowlton, F. H. 1909 B, 193 (Fuligula).
Shufeldt, R. W. 1913 A, 39.
1913 B, 141 (This species?).
1913 F, 307.
1914 C, pl. xii.
Recent; northern part of northern hemisphere: Pleistocene (Fossil Lake); Oregon.

Marila valisineria (Wilson).

Wilson, A. 1814, Amer. Ornith., VIII, 103, pl. lxx, fig. 5.
A. O. U. 1910 A, 74.
Hay, O. P. 1927 D, 244.
Miller, L. H. 1912 A, 81, 112.
Shufeldt, R. W. 1913 A, 39.
1913 B, 141, pl. xxx, figs. 372, 373, 375-378.
1913 F, 307.
1914 C, 11, pls. v, vi.
Recent; North America: Pleistocene (Fossil Lake); Oregon.

CHARITONETTA Stejneger. Type *Anas albeola* Linnæus.

Stejneger, L. 1885, Bull. U. S. Nat. Mus., No. 29, 163.
A. O. U. 1910 A, 76.
Knowlton, F. H. 1909 B, 195.
Shufeldt, R. W. 1914 C, 33.

Charitonetta albeola (Linnæus).

Linnæus, C. 1758 A, 124 (Anas).
Coues, E. 1884 A, 705, fig. 491 (Clangula).
Knowlton, F. H. 1909 B, 195, fig. 195.
Shufeldt, R. W. 1913 A, 39.
1913 B, 142, pl. xxx, figs. 366-369.
1913 F, 307.
1914 C, pls. vi, xii.
Recent; throughout northern hemisphere: Pleistocene (Fossil Lake); Oregon.

CLANGULA Oken. Type *Anas clangula* Linnæus.

Oken, L. 1817, Isis, I, 1183.
Hay, O. P. 1902 A, 530 (Clangula, Glaucionetta).
Adolphi, H. 1922 A, 81, fig. 30 (Harelda).
A. O. U. 1910 A, 76 (Clangula); 77 (Harelda).
Eyton, T. C. 1867 A, 210.
1869 A, pl. xi (Harelda); pl. xii (Clangula).
Giebel, C. G. 1855 A, 32 (Anas).
Kingsley, J. S. 1925 A, 288, fig. 311.
Knowlton, F. H. 1909 B, 194 (Clangula); 195 (Harelda).
Leunis and Ludwig 1883 A, 495 (Harelda).
Magnan, A. 1922 A, 170, pl. i.
Newton and Gadow 1896 A, 1064 (Clangula); 1070 (Harelda).
Ridgway, R. 1887 A, 86, 106, pl. xxv.
Shufeldt, R. W. 1909 A, 284 (Harelda); 372 (Clangula).
1913 B, 175.
1914 C, 58.

Clangula hyemalis (Linnæus).

Linnæus, C. 1758 A, 126 (Anas).
Hay, O. P. 1902 A, 530 (Clangula).
A. O. U. 1910 A, 77 (Harelda).
Hay, O. P. 1927 D, 244 (Harelda).
Knowlton, F. H. 1909 B, 195 (Harelda).
Miller, L. H. 1912 A, 81, 112 (Harelda).
Shufeldt, R. W. 1909 A, 375 (Harelda).

Shufeldt, R. W. 1913 B, 175, pl. xxxix, figs. 484, 485.
1914 C, pls. ix, xiv (Harelda).
Recent; Northern Hemisphere: Pleistocene (Fossil Lake); Oregon.

Clangula islandica (Gmelin).

Gmelin, J. F. 1789, Syst. Nat. I, II, 541 (Anas).
Hay, O. P. 1902 A, 530 (Glaucionetta).
A. O. U. 1910 A, 76.
Hay, O. P. 1927 D, 244.
Miller, L. H. 1912 A, 81, 112.
Shufeldt, R. W. 1909 A, 372, figs. 17, 18, 20, 26, 28, 31, 32.
1913 B, 171, pl. xxxii, figs. 406, 407.
1914 C, 25, 32, 47.
Recent; northern North America: Pleistocene (Fossil Lake); Oregon.

HISTRIONICUS Lesson. Type *Anas histrionica* Linnæus.

Lesson, R. P. 1828, Manuel d'Ornith., II, 415.
Allen, J. A. 1893 B, 107.
A. O. U. 1910 A, 77.
Coues, E. 1884 A, 707.
Knowlton, F. H. 1909 B, 196.
Newton and Gadow 1896 A, 407.
Pycraft, W. P. 1906 A, 406.
Ridgway, R. 1887 A, 86, 107, pl. xxv.

Histrionicus histrionicus (Linnæus).

Linnæus, C. 1758 A, 127 (Anas).
A. O. U. 1910 A, 77.
Coues, E. 1884 A, 707 (H. minutus).
Giebel, C. G. 1855 B, 31 (Anas).
Knowlton, F. H. 1909 B, 196.
Shufeldt, R. W. 1913 A, 39.
1913 B, 126, 142, pl. ix, fig. 16; pl. xxx, figs. 360-363.
1913 F, 307.
1914 C, 32.
Recent; northern North America and eastern Asia: Pleistocene (Fossil Lake); Oregon.

POLYSTICTA Eyton. Type *Anas stelleri* Pallas.

Eyton, T. C. 1836, Cat. Brit. Birds, 58.
A. O. U. 1910 A, 78.
Knowlton, F. H. 1909 B, 197.

Polysticta stelleri (Pallas).

Pallas, P. S. 1769, Spic. Zool., I, fasc. vi, 35, pl. v (Anas).
A. O. U. 1910 A, 78.
Shufeldt, R. W. 1913 A, 39.
1913 B, 143, pl. xxx, figs. 370, 371, 374, 379, 381.
1913 F, 307.
1914 C, pls. ix, xi, xiv.
Recent; coast of Bering Sea and Arctic Ocean; Pleistocene (Fossil Lake); Oregon.

OIDEMIA Fleming. Type *Anas nigra* Linnæus.

Fleming, J. 1822, Philos. Zool., II, 260.
Adolphi, H. 1922 A, 81.
A. O. U. 1910 A, 80.
Coues, E. 1884 E, 713 (Œdemia).
Eyton, T. C. 1867 A, 209.
Knowlton, F. H. 1909 B, 198.
Leunis and Ludwig 1883 A, 496.
Magnan, A. 1922 A, 170.
Parker, W. K. 1875 A, 712.
Shufeldt, R. W. 1914 C, 16.

Oidemia perspicillata (Linnæus).

Linnæus, C. 1758 A, I, 125 (Anas).
A. O. U. 1910 A, 82.
Coues, E. 1884 A, 714 (Œdemia).
Hay, O. P. 1927 D, 172.
Miller, L. H. 1914 A, 36.
1928 A, 120.
Miller, W. D. 1926 A, 2, figs. 1, 2 (Melanitta).
Shufeldt, R. W. 1914 C, 24, pl. v.
Recent; North America: Pleistocene (San Pedro); California.

ERISMATURINÆ.

Arldt, T. 1907 D, 89.
Knowlton, F. H. 1909 B, 199.
Pycraft, W. P. 1906 A, 406.
Shufeldt, R. W. 1914 C, 60.
Wetmore and Miller 1926 A, 341.

ERISMATURA Bonaparte. Type *Anas rubidus* Wilson = *A. jamaicensis* Gmelin.

Bonaparte, C. L. 1832, Gior. Arcad., LII, 208.
Allen, J. A. 1893 B, 107.
Arldt, T. 1907 D, 653.
Coues, E. 1884 A, 715.
Eyton, T. C. 1867 A, 211.
1869 A, pl. xv.
Knowlton, F. H. 1909 B, 199.
Pycraft, W. P. 1906 A, 396.
Reichenow, A. 1913 A, 136.
Ridgway, R. 1887 A, 87, 113, pl. xxvi.
Shufeldt, R. W. 1914 C, 18.

Erismatura jamaicensis (Gmelin).

Gmelin, J. F. 1789, Syst. Nat. I, ii, 519 (Anas).
A. O. U. 1910 A, 82.
Coues, E. 1884 A, 715 (E. rubida).
Hay, O. P. 1927 D, 198, 244.
Knowlton, F. H. 1909 B, 199.
Miller, L. H. 1911 A, 86.
1912 A, 81, 112.
1925 A, 314.
Shufeldt, R. W. 1913 A, 39.

Shufeldt, R. W. 1913 B, 143, pl. xxxi, figs. 390, 391, 394-397.
1913 F, 307.
Shufeldt, R. W. 1914 C, 18, pl. vi.
Recent; North America: Pleistocene (Fossil Lake); Oregon.

MERGINÆ Bonaparte.

Bonaparte, C. L. 1838 B, 119.
A. O. U. 1910 A, 66.
Arldt, T. 1907 D, 89.
Carus, V. 1875 A, 353 (Mergidæ).
Knowlton, F. H. 1909 B, 199.
Reichenow, A. 1913 A, 133 (Mergidæ).
Shufeldt, R. W. 1913 B, 140.
1914 C, 41.
Wetmore and Miller 1926 A, 341.

LOPHODYTES Reichenbach. Type *Mergus cucullatus* Linnæus.

Reichenbach, H. G. 1852, Syst. Avium, ix.
Hay, O. P. 1902 A, 529.
Allen, J. A. 1893 B, 107.
A. O. U. 1910 A, 67.
Lebedinsky, N. G. 1921 A, 13.
Leunis and Ludwig 1883 A, 497 (Mergus).
Magnus, H. 1871 A, 24, 57 (Mergus).
Ridgway, R. 1887 A, 84, 89, pl. xxi.
Shufeldt, R. W. 1909 A, 376.

Lophodytes cucullatus (Linnæus).

Linnæus, C. 1758 A, 129 (Mergus).
Hay, O. P. 1902 A, 529.
1927 D, 244.
Miller, L. H. 1912 A, 80, 112.
Shufeldt, R. W. 1909 A, 376.
1913 B, 140.
1914 C, 30.
Recent; North America: Pleistocene (Fossil Lake); Oregon.

MERGUS Linnæus. Type *M. merganser* Linnæus.

Linnæus, C. 1758 A, 129.
Adolphi, H. 1922 A, 84.
A. O. U. 1910 A, 66.
Arldt, T. 1907 D, 665.
Beddard, F. E. 1898 A, 542.
Brauns, D. 1890 A, 201.
Chandler, A. C. 1916 C, 328.
Coues, E. 1884 A, 716.
Cuvier, G. 1805 A.
Diethelm, M. 1907 A, 41.
Döderlein, L. 1923 A, 142, 162.
Eyton, T. C. 1867 A, 212.
1869 A, pl. i.
Foote, J. S. 1916 A, 60.
Fürbringer, M. 1888 A, pls. ii, iv, v, vii.
Gegenbaur, C. 1871 A, 174.
Giebel, C. G. 1855 B, 32.
Heilmann, G. 1913 A, 37.
1916 A, 105, fig. 198.
Hesse, H. 1907 A, 203, pl. x, fig. 13.
Kessler, K. T. 1841 A, 676.
Kingsbury, B. F. 1926 A, 103.
Knowlton, F. H. 1909 B, 200.
Magnan, A. 1922 A, 170, pl. x.
Meckel, J. F. 1825 A.
Newton and Gadow 1896 A, 1074.
Pycraft, W. P. 1910 A, 403.
Ridgway, R. 1887 A, 84, 90, pl. xxi.
Selenka, E. 1869 A, 76.
Shufeldt, R. W. 1882 B, 326, fig. 2.
1909 A, 377.
1913 B, 140.
1914 C, 40.
Sundevall, C. J. 1886 A, 401, 405.
Taschenberg, O. 1899 A, 4150.
Weitzel, A. 1865 A, 343.

Mergus americanus Cassin.

Cassin, J. 1852, Proc. Acad. Nat. Sci. Phila., vi, 1852, 187.
Adolphi, H. 1922 A, 84, fig. 31 (M. merganser).
A. O. U. 1910 A, 66.
Coues, E. 1884 A, 716, fig. 499 (M. merganser).
Owen, R. 1866 B, 225, fig. 107.
Shufeldt, R. W. 1913 A, 39.
1913 B, 140, pl. xxxii, fig. 403.
1913 F, 307.
Recent; North America: Pleistocene (Fossil Lake?); Oregon.

Mergus serrator Linnæus.

Linnæus, C. 1758 A, 129.
A. O. U. 1910 A, 67.
Baker, F. C. 1920 A, 464.
Coues, E. 1884 A, 717, fig. 500.
Eyton, T. C. 1869 A, pl. xvi.
Fürbringer, M. 1888 A, pl. v.
Hay, O. P. 1923 A, 336.
Heilmann, G. 1913 A, 36, fig. 32.
1926 A, 9, 51, 139, figs. 4, 36.
Owen, R. 1866 B, 225, fig. 106.
Pycraft, W. P. 1906 A, 401.
Shufeldt, R. W. 1909 A, 377, figures.
1913 A, 39.
1913 B, 140, pl. xxx, figs. 364, 365.
1913 F, 307.
1914 C, 29, 30, 39.
Recent, northern part of northern hemisphere; Pleistocene (Fossil Lake); Oregon.

Mergus sp. indet.

Shufeldt, R. W. 1913 B, 171, pl. xxxi, fig. 398.
1913 F, 307.
Pleistocene (Fossil Lake); Oregon.

Suborder FALCONIFORMES Seebohm.

Seebohm, H. 1890, Classif. Birds.
Hay, O. P. 1902 A, 535 (Raptores).
Abel, O. 1919 A, 705 (Falciformes).
Adolphi, H. 1922 A, 89.
Arldt, T. 1907 D, 678 (Raptatores).
1912 A, 686, 687.
Barrows, W. B. 1885 A, 260 (Accipitres).
Blainville, H. M. D. 1821 A, 191 ("oiseaux de proie").
Bonaparte, C. L. 1832 A, 295 (Rapaces).
Brandt, J. F. 1853 A, 179 (Rapaces).
Chandler, A. C. 1914 B, 141 (Accipitres).
Clark, H. L. 1901 A, 376 ("falconiform").
Cope, E. D. 1891 N, 58, 60 (Accipitres).
Evans, A. H. 1899 A, 137.
Fürbringer, M. 1888 A (Aëtomorphæ).
Gadow, H. 1893 A, 155.
1910 B, 977.
Gegenbaur, C. 1871 A, 188 ("raubvögel").
Grote, H. 1902 A, 59 ("raubvögel").
Hoernes, R. 1886 A, 645 (Raptatores).
Houssay and Magnan 1912 A, 39 ("rapaces diurnes").
Huxley, T. H. 1867 C, 255 (Raptores).
Illiger, C. 1811 A, 194, 232 (Raptatores).
Köstlin, O. 1844 A ("raubvögel").
Lambrecht, K. 1914 A, 66, 73.
Lebedinsky, N. G. 1918 A, 37 (Accipitriformes).
1918 B, 140, 146 (Accipitriformes).
Leunis and Ludwig 1883 A, 416 (Raptores).
Lühder, W. 1871 A, 324 (Raptatores).
Lydekker, R. 1879 A, 13, 27 (Raptores, Aëtomorphæ).
Magnus, H. 1871 A (Raptatores).
Meckel, J. F. 1825 A ("raubvögel").
Miller, W. D. 1924 A, 2 ("birds of prey").
Newton and Gadow 1896 A, 2, 40, 765 (Raptores).
Owen, R. 1866 B (Raptores).
Pander and Alton 1838 A, 1 ("raubvögel").
Parker, W. K. 1875 A, 700, 712, 713, 724 (Aëtomorphæ).
Parker and Bettany 1877 A, 264 (Aëtomorphæ).
Pycraft, W. P. 1902 A, 277, 318 (Falconiformes).
1903 B, 6 (Falconiformes).
Reichenow, A. 1913 A, 360 (Accipitres).
Sharpe, R. B. 1891 A, 78 (Accipitriformes).
Shufeldt, R. W. 1896 A, 370 (Accipitres).
1909 A, 7 (Raptores).
Steiner, H. 1916 A, 493, 499 (Raptores).
1918 A, 324, 441, 490.
Stejneger, L. 1903 A, 628 (Raptores).
Sushkin, P. P. 1896 A, 767 ("raubvögel").
1899 A, 500 (Raptatores).
1900 A, 269 ("tagraubvögel").
1900 B, 522 ("tagraubvögel").
Vialleton, L. 1916 A, 6.
Wetmore and Miller 1926 A, 341.

Superfamily VULTUROIDÆ, new form.

Hay, O. P. 1902 A, 535 (Cathartides).
Adolphi, H. 1922 A, 89 (Cathartæ).
Chandler, A. C. 1916 C (Catharthæ).
Chomjahoff, M. 1901 A, 136 (Catharthæ).
Dabbene, R. 1910 A, 472 (Cathartidiformes).
Evans, A. H. 1899 A, 137 (Cathartæ).
Gadow, H. 1893 A, 135, 158 (Cathartæ).
1910 B, 977 (Cathartæ).
Gaillard, C. 1908 A, 43 ("cathartides").
Knowlton, F. H. 1909 B, 203 (Cathartæ).
Lebedensky, N. G. 1918 A, 40 (Cathartidiformes).
1918 B, 146 (Cathartidiformes).
Lönnberg, E. 1905 H, 8 (Cathartæ).
Miller, L. H. 1912 A, 72 (Cathartiformes).
1916 C, 105 (Cathartiformes).
Newton and Gadow 1896 A, 1063 (Cathartæ).
Pycraft, W. P. 1902 A, 278, 318 (Cathartæ).
1910 A, 49 (Cathartæ).
Sharpe, R. B. 1891 A, 78 (Cathartidiformes).
Shufeldt, R. W. 1904 B, 853 (Cathartoidea).
1909 A, 126, 371 (Cathartoidea).
Steiner, H. 1918 A, 490 (Cathartæ).
Stejneger, L. 1903 A, 628 (Sarcoramphi).
Sushkin, P. P. 1899 A, 500 (Cathartæ).
1899 B, 153 (Cathartæ).
Wallace, A. R. 1894 A, 441 (Cathartides).
Wetmore and Miller 341 (Cathartæ).

VULTURIDÆ Vigors.

Vigors, N. A. 1825 A, 423, 425.
Unless otherwise indicated the authors below quoted use the name Cathartidæ. Some of the literature cited refers to the Old World vultures now known as the Gypaëtidæ.
Hay, O. P. 1902 A, 535.
Adolphi, H. 1922 A, 89.
Arldt, T. 1907 D, 688 (Vulturidæ).
1912 A, 756.
Beddard, F. E. 1898 A, 481.
1904 A, 388.
Bonaparte, C. L. 1833 A, 1045 ("vautours").
1838 B, 116 (Vulturidæ, Vulturinæ).
1840 A, 260 (Vulturidæ, Vulturinæ).
Brandt, J. F. 1853 A, 180 (Vulturidæ); 181 (Sarcorhamphinæ).
Brauer, A. 1914 A, 283.
Carus, V. 1875 A, 305.
Dabbene, R. 1910 A, 472.
Evans, A. H. 1899 A, 137.
Forbes, W. A. 1882 B, 141.
Fürbringer, M. 1888 A (Cathartidæ).
1902 B, 640.
Gadow, H. 1893 A, 158.
Garrod, A. H. 1873 D, 634.
1874 A, 117.
Heilmann, G. 1926 A, 102 ("vultures").
Heilprin, A. 1887 A, 66 (Cathartinæ).
Huxley, T. H. 1867 A, 442, 463.
1867 C, 280.
1868 C, 314.
Knowlton, F. H. 1909 B, 246 (Vulturinæ).
Lebedinsky, N. G. 1918 B, 146 (Vulturidæ).
Leunis and Ludwig 1883 A, 421.
Lydekker, R. 1891 A, 33.
Miller, L. H. 1912 A, 85.
1913 A, 132.
1925 B, 92, 94.

Newton, A. 1885 A, 47.
Parker, W. K. 1875 A, 713.
1875 D, 129.
Reichenow, A. 1913 A, 361 (Cathartidæ).
Ridgway, R. 1875 A, 225.
1887 A, 218.
1903 A, 510.
Sharpe, R. B. 1891 A, 78 (Vulturidæ).
Shufeldt, R. W. 1881 F, 906.
1894 A, 23.
1904 B, 853.
1907 A, 123.
1909 A, 126, 371.
1915 C, 733.
Stejneger, L. 1903 A, 628.
Wetmore and Miller 1926 A, 341 (Cathartidæ).

CATHARTES Illiger. Type *Vultur aura* Linnæus.

Illiger, C. 1811 A, 236.
Barrows, W. B. 1885 A, 266.
Beddard, F. E. 1898 A, 537.
1904 A, 388, 389.
Bignon, F. 1889 A, 288, pl. x.
Blanchard, E. 1859 A, 55.
Bronn, H. G. 1849 A, 700.
Chandler, A. C. 1916 C.
Coues, E. 1884 A, 558.
Dabbene, R. 1910 A, 239, fig. 40.
Eyton, T. C. 1867 A, 19, pl. i, fig. 8.
Fürbringer, M. 1888 A.
Huxley, T. H. 1867 A, 441, 463.
1867 C, 259, 281, fig. 22.
Knowlton, F. H. 1909 B, 204.
Leunis and Ludwig 1883 A, 421
Lilienthal, G. 1917 A, 263, fig. 2 ("urubugeier")
Lönnberg, E. 1905 A, 8.
Mackie, S. J. 1863 C, 106.
Miller, L. H. 1912 A, 92.
1914 A, 38.
1921 B, 263.
Newton and Gadow 1896 A, 1063.
Pander and Alton 1838 A, 7.
Pycraft, W. P. 1902 A, 290.
1910 A, 49 (Cathartæ).
Ridgway, R. 1887 A, 220, pls. lx, lxiv (Pseudogryphys).
Sclater, P. L. 1886 A, 149.
Shufeldt, R. W. 1909 A, 371.
Wallace, A. R. 1876 A, I, 164.
Weitzel, A. 1865 A, 324 ("Cathar").

Cathartes aura (Linnæus).

Linnæus, C. 1758 A, 86 (Vultur).
Abel, O. 1926 B, 441.
Barrows, W. B. 1885 A, 267, fig. 126.
Chandler, A. C. 1916 C, 332.
Coues, E. 1884 A, 559, fig. 387.
Eyton, T. C. 1867 A, 19, pl. i, fig. 2.
Foote, J. S. 1916 A, 75, pl. vii.
1921 A, 7, pl. ii, figs. 11, 12.
Forbes, W. A. 1882 B, 141.
Fürbringer, M. 1888 A, pl. vi.
Hay, O. P. 1923 A, 382.
1927 D, 303.
Huxley, T. H. 1867 A, 440, 441, 463, fig. 22.
1867 C, 260, fig. 22.
Kingsley, J. S. 1925 A, 56, fig. 63.
Knowlton, F. H. 1909 B, 204.
Miller, L. H. 1909 B, 306.
1910 C, 11.
1911 C, 387, 399.
1912 A, 71, 73, 75, 78, 84, 90, 113.
1914 A, 37.
1925 B, 86.
Osborn, H. F. 1925 D, 541.
Pander and Alton 1838 A, 6, pl. iv.
Parker, W. K. 1875 D, 137.
Ridgway, R. 1887 A, 221.
Selenka, E. 1869 A, pl. xii.
Shufeldt, R. W. 1881 F, 908 (Catharista).
1893 E, 681, fig. 1.
1916 E, 18.
1917 B, 36, pl. i, figs. 1, 2.
Swarth, H. S. 1915 A, 30.
Recent; United States south to Mexico: Pleistocene (La Brea, San Pedro, and caves) California: (Middle); Florida.

Cathartes aura septentrionalis Wied.

Wied-Neuwied, M. A. 1839, Reise Nord-America, I, 162.
Hay, O. P. 1923 A, 382.
Shufeldt, R. W. 1909 A, 371, pl. vi, fig. 9; pls. xiii, xiv; text-fig. 29.
Recent; British Columbia to Mexico, and New York: Pleistocene; Florida.

Cathartes sp. indet.

Miller, L. H. 1922 A, 123 (This genus?).
Pleistocene (McKittrick); California.
1925 A, 309 (Occurrence at McKittrick recalled).

CORAGYPS Le Maout. Type *Vultur urubu* Vieillot.

Le Maout, E. 1853, Hist. nat. Oiseaux, 66.
Allen, J. A. 1893 B, 130 (Catharista).
Coues, E. 1884 A, 560 (Catharista).
Dabbene, R. 1910 A, 239 (Catharista).
Fürbringer, M. 1888 A (Catharista).
Knowlton, F. H. 1909 B, 206 (Catharista).
Magnan, A. 1922 A, 165 (Catharista).
Miller, L. H. 1912 A, 92 (Catharista).
Shufeldt, R. W. 1909 A, 371, figs. 5, 17 (Catharista).
Vieillot, L. J. P. 1816, Analyse, 21 (Catharista).

Coragyps occidentalis (L. H. Miller).

Miller, L. H. 1909 B, 306 (Catharista).
Abel, O. 1926 B, 238 (Catharista).
Hay, O. P. 1927 D, 186 (Catharista).
Lambrecht, K. 1921 A, 29 (Catharista).
Miller, L. H. 1910 C, 11 (Catharista).
1912 A, 78, 90, 97, 113 (Catharista).
1925 B, 86 (Catharista).
Osborn, H. F. 1925 D, 541 (Catharista).
Wetmore, A. 1927 A, 5.
Wyman, L. E. 1922 A, 31 (Catharista).
Pleistocene (La Brea); California.

Coragyps shastensis (Miller).

Miller, L. H. 1911 C, 388, 399, fig. 1 (Catharista).
Hay, O. P. 1927 D, 223 (Coragyps); 216 (Catharista).
Miller, L. H. 1912 A, 71, 73, 75, 90, 113 (Catharista).
Wetmore, A. 1927 A, 5.
Pleistocene (Caves); California.

PHASMAGYPS Wetmore. Type *P. patritus* Wetmore.

Wetmore, A. 1927 A, 3.

Phasmagyps patritus Wetmore.

Wetmore, A. 1927 A, 3, figs. 1-4.
1928 A, 152.
Oligocene (Chadron); Colorado.

CATHARTORNIS L. H. Miller. Type *C. gracilis* L. H. Miller.

Miller, L. H. 1910 B, 14.
Osborn, H. F. 1925 D, 541.

Cathartornis gracilis L. H. Miller.

Miller, L. H. 1910 B, 14, figs. 4, 4*a*.
Abel, O. 1926 B, 238.
Hay, O. P. 1927 D, 186.
Lambrecht, K. 1921 A, 29.
Miller, L. H. 1912 A, 78, 90, 113.
1925 B, 84, pl. v, figs. *a-c*; text-fig. 13.
Osborn, H. F. 1925 D, 541.
Wyman, L. E. 1922 A, 31, fig. 21 ("Cathartornis").
Pleistocene (La Brea); California.

PALÆOGYPS Wetmore. Type *P. prodromus* Wetmore.

Wetmore, A. 1927 A, 5.

Palæogyps prodromus Wetmore.

Wetmore, A. 1927 A, 5.
1928 A, 152.
Oligocene (Chadron); Colorado.

GYMNOGYPS Lesson. Type *Vultur californianus* Shaw.

Lesson, R. P. 1842, Écho du Monde Savant (2), VI, 1037.
Coues, E. 1884 A, 558 (Pseudogryphus).
Knowlton, F. H. 1909 B, 206.
Miller, L. H. 1912 A, 87, 92.
Ridgway, R. 1887 A, 219, 220, pls. lx, lxiv (Pseudogryphus).
Shufeldt, R. W. 1909 A, 375.

Gymnogyps amplus Miller.

Miller, L. H. 1911 C, 390, 399, fig. 2.
Hay, O. P. 1927 D, 216.
Miller, L. H. 1912 A, 71, 73, 113.
Pleistocene (Caves); California.

Gymnogyps californianus (Shaw).

Shaw, G. 1797, Nat. Misc., IX, 301 (Vultur).
Abel, O. 1926 B, 238.
Chandler, A. C. 1916 C, 331, pl. xxii, fig. 34.
Coues, E. 1884 A, 558, fig. 386 (Pseudogryphus).
Finley, W. L. 1908 A, 5.
Gilbert, J. Z. 1910 B, 25, fig. ("condor").
Hay, O. P. 1927 D, 186.
Knowlton, F. H. 1909 B, 206.
Miller, L. H. 1909 B, 306.
1910 B, 6, fig. 1.
1910 C, 11.
1912 A, 78, 84, 90, 92, 113.
1925 B, 81, fig. 10.
1927 A, 156.
Osborn, H. F. 1925 D, 541.
Ridgway, R. 1887 A, 220.
Sclater, P. L. 1886 A, 149 (Pseudogryphus).
Shufeldt, R. W. 1881 F, 907 (Pseudogryphus).
1909 A, 375, pl. ii; text-fig. 35.
Swarth, H. S. 1915 A, 30.
Wetmore, A. 1927 A, 5.
Recent; southern Oregon to Lower California: Pleistocene (La Brea); California.

VULTUR Linnæus. Type *Vultur gryphus* Linnæus.

Linnæus, C. 1758 A, 86.
Unless otherwise indicated the authors, as cited, use for this genus the name *Sarcorhamphus*.
Adolphi, H. 1922 A, 89.
Aeby, C. 1873 A, 702.
Allen, J. A. 1906 A, 775, 858 (Vultur).
A. O. U. 1910 A, 371.
Barrows, W. B. 1885 A, 269, figs. 127, 128.
Beddard, F. E. 1898 A, 546.
1904 A, 389.
Bignon, F. 1889 A, 278, pl. x.
Blanchard, E. 1859 A, 55.
Bonsdorff, E. J. 1871 A, 305, 310.
Brandt, J. F. 1853 A, 181.
Dabbene, R. 1910 A, 238.
Diethelm, M. 1907 A, 41.
Duméril, A. M. 1806 A, 32.
Evans, A. H. 1899 A, 138.
Eyton, T. C. 1867 A, 17, pl. i A; pl. i, fig. 4; pl. ii, fig. 6; pl. v, fig. 1; pl. vi, fig. 1.
Foote, J. S. 1916 A, 71, pl. vii.
Fürbringer, M. 1888 A, pls. iii, iv, vi.
Gegenbaur, C. 1871 A, 189.
Giebel, C. G. 1855 B, 38.
Heilmann, G. 1913 B, 77.
Huxley, T. H. 1867 A, 463.
1867 C, 259, 281.
Knowlton, F. H. 1909 B, 207.
Leunis and Ludwig 1883 A, 421.
Lönnberg, E. 1905 A, 8.
Miller, L. H. 1912 A, 87.
Newton and Gadow 1896 A, 1082.
Osborn, H. F. 1925 D, 541.

Owen, R. 1866 B, 81 (Sarcorhamphus).
Pander and Alton 1838 A, 6, pl. ii.
Parker, W. K. 1875 A, 713, 714 (Sarcoramphus).
1875 D, 129, pl. xxv.
Pycraft, W. P. 1902 A, 280.
Reichenow, A. 1913 A, 362.
Selenka, E. 1869 A, pls. xii, xiii, xvi (Sarcorhamphus).
Shufeldt, R. W. 1909 A, 380, pl. ii, fig. 3; text-fig. 2.
Wallace, A. R. 1876 A, II, 346.

Vultur clarki (L. H. Miller).

Miller, L. H. 1910 B, 11, figs. 3, 3a (Sarcorhamphus).
Abel, O. 1926 B, 238 (Sarcorhamphus).
Hay, O. P. 1927 D, 186.
Lambrecht, K. 1921 A, 29 (Sarcorhamphus).
Miller, L. H. 1912 A, 78, 90, 97, 113 (Sarcorhamphus).
1925 B, 82, fig. 12 (Sarcorhamphus).
Osborn, H. F. 1925 D, 541 (Sarcorhamphus).
Pleistocene (La Brea); California.

PALÆOBORUS Coues. Type *Cathartes umbrosus* Cope.

Hay, O. P. 1902 A, 535.

Palæoborus umbrosus (Cope).

Cope, E. D. 1874 U, 151 (Cathartes).
Hay, O. P. 1902 A, 535.
Baird, S. F. 1876 A, cciii (Vultur).
Lambrecht, K. 1916 C, 494 (Plæoborus).
1921 A, 29.
Miller, L. H. 1912 A, 87, 94, 95.
Wetmore, A. 1927 A, 5.
Upper Miocene (Santa Fe); New Mexico.

TERATORNITHIDÆ Miller.

Miller, L. H. 1909 B, 317.

TERATORNIS L. H. Miller. Type *T. merriami* Miller.

Miller, L. H. 1909 B, 307.
Hrdlička, A. 1918 A, 19.
Merriam, J. C. 1909 C, 11.
1914 B, 6.
Miller, L. H. 1910 B, 16 (Pleistogyps).
1912 A, 90, 108, 111.
1915 B.
1921 B, 263.
1925 B, 67, 87, 94 (Teratornis); 92 (Pleistogyps a syn.).
Osborn, H. F. 1910 B, 473.
1925 D, 541.

Teratornis merriami L. H. Miller.

Miller, L. H. 1909 B, 307, figs. 1-9.
Abel, O. 1926 B, 238.
Gilbert, J. Z. 1910 B, 24, fig.
H. H. 1927 A, 167 ("Teratornis").
Hay, O. P. 1927 D, 186, 198.
Lambrecht, K. 1921 A, 30 (T. merriami, Pleistogyps rex).
Merriam, J. C. 1909 C, 11, fig. ("Teratornis").
1914 F, 28 ("Teratornis").
1915 G, 98 ("Teratornis").
Merriam, J. C. 1924 A, 352 ("Teratornis").
Miller, L. H. 1910 B, 18 (T. merriami); 16, figs. 5-5b (Pleistogyps rex).
1910 C, 11.
1911 D, 113.
1912 A, 78, 113 (T. merriami); 78, 90, 113 (Pleistogyps rex).
1921 C, 130 (Pleistogyps rex a syn.).
1922 A, 123 ("Teratornis").
1923 A, 350, 355 ("Teratornis").
1925 A, 309, 322.
1925 B, 87, pls. i-iv; text-figs. 15-17.
1927 A, 156.
Osborn, H. F. 1925 D, 541.
Swarth, H. S. 1915 A, 30, fig. 17.
Wetmore, A. 1926 E, 525.
1928 A, 157.
Wyman, L. E. 1922 A, 30, fig. 21.
Pleistocene (La Brea); California.

Teratornis sp. indet.

Hoffmann, R. 1927 A, 155. Pleistocene; California.

Superfamily FALCONOIDÆ, new form.

Unless otherwise indicated the authors, as quoted, use for this group the name Accipitres.
Hay, O. P. 1902 A, 535.
Abel, O. 1912 F, 301.
Adolphi, H. 1922 A, 90.
Beddard, F. E. 1898 A, 472.
Bittner, F. 1912 A, 2 ("tagraubvögel").
Bonaparte, C. L. 1831 A, 29.
1832 A, 294.
Bonsdorff, E. J. 1871 A, 310.
Blainville, H. M. D. 1821 A, 192 ("oiseoux de proie diurnes").
Brandt, J. F. 1853 A, 179 ("rapaces diurnæ").
Carus, V. 1875 A, 300 (Raptatores).
Chandler, A. C. 1916 C.
Chomjakoff, M. 1901 A, 136.
Cuvier, G. 1805 A.
Dabbene, R. 1910 A, 467 (Accipitriformes).
Diethelm, M. 1907 A, 18 (Accipitriformes).
Eimer, G. H. T. 1901 A, 261 ("raubvögel").
Evans, A. H. 1899 A, 137.
Forbes, W. A. 1881 B, 671.
Fürbringer, M. 1902 B, 640.
Gadow, H. 1893 A, 159.
1910 B, 977.
Garbowski, T. 1895 A, 445 ("diurni").
Garrod, A. H. 1874 A, 117.
Gegenbaur, C. 1871 A, 191 ("tagraubvögel").
Gervais, P. 1856 A, 8.
Heilmann, G. 1926 A, 102 ("hawks").
Huxley, T. H. 1867 C, 225.
Kessler, K. T. 1841 A, 481.
Köstlin, O. 1844 A ("tagraubvögel").
Lebedinsky, N. G. 1913 A.

L'Herminier, F. 1836 A, 112.
Linnæus, C. 1758 A, 81, 83, 86.
Lönnberg, E. 1905 A, 10 (Accipitriformes).
Lydekker, R. 1891 A, 18.
Magnus, H. 1871 A, 88 (Accipitrini).
Meckel, J. F. 1825 A, ("tagraubvögel").
Müller, W. 1907 A, 407.
Newton, A. 1885 A, 47 (Accipitres).
Newton and Gadow 1896 A, 1059.
Pander and Alton 1838 A, 1.
Pycraft, W. P. 1902 A, 279, 318.
1910 A, 49, 439.
Sclater, P. L. 1858 A.
Sharpe, R. B. 1891 A, 78.
Shufeldt, R. W. 1904 B, 853 (Accipitres, Accipitriformes, Falconoidea).
1909 A, 369 (Accipitres); 374 (Falconoidea).
Steiner, H. 1918 A, 490.
Stejneger, L. 1903 A, 628 (Falcones).
Sushkin, P. P. 1896 A, 768.
1899 A, 500.
1899 B.
1900 A, 269.
1905 A.
Vialleton, L. 1916 A, 7.
Wallace, A. R. 1876 A, I, 489; II, 557.
Weitzel, A. 1865 A, 344, 353 ("tagraubvögel").
Wetmore and Miller 1926 A, 341 (Falconi, Falconides).
Wilbrand, J. B. 1823 A, 511 ("raubvögel").
Wray, R. S. 1887 A, 348.
Zittel and Lucas 1902 A, 276.
Zittel and Schlosser 1911 A, 324.
1923 A, 400.

BUTEONIDÆ.

A. O. U. 1910, 153.
Arldt, T. 1907 D, 642.
Carus, V. 1875 A, 308.
Fürbringer, M. 1888 A.
Knowlton, F. H. 1909 B, 226.
Pycraft, W. P. 1902 A, 279, 315, 318.
Suschkin, P. 1899 B, 152 (Buteoninæ, Haliætinæ).
Wetmore and Miller 1926 A, 342 (Accipitridæ).

ELANINÆ.

Knowlton, F. H. 1909 B, 226.
Pycraft, W. P. 1902 A, 315.
Ridgway, R. 1873 A, 53 (Elani).
1875 A, 225-231.
Ridgway, R. 1876 B, 150 (Elani).
1903 A, 510 (Elani).
Wetmore and Miller 1926 A, 342.

ELANUS Savigny. Type *Falco melanopterus* Daudin.

Savigny, M. J. C. L. 1809, Descr. Égypte, I, 69, 97.
A. O. U. 1910 A, 154.
Arldt, T. 1907 D, 87, 155.
Chandler, A. C. 1916 C, 335.
Coues, E. 1884 A, 525.
Eyton, T. C. 1867 A, 8.
Knowlton, F. H. 1909 B, 226.
Leunis and Ludwig 1883 A, 428.
Newton and Gadow 1896 A, 491, 739.
Parker, W. K. 1875 A, 713.
Pycraft, W. P. 1902 A, 288, pl. xxxi, fig. 2.
Ridgway, R. 1887 A, 222, 224, pl. lxv.
Shufeldt, R. W. 1909 A, 373.
Sushkin, P. P. 1899 A, 501.

Elanus leucurus (Vieillot).

Vieillot, L. J. P. 1818, Nouv. Dict. d'Hist. nat., xx, 563 (Milvus).
A. O. U. 1910 A, 154.
Coues, E. 1884 A, 525 (E. glaucus).
Hay, O. P. 1927 D, 186.
Miller, L. H. 1912 A, 78, 95, 113.
1925 B, 94.
Osborn, H. F. 1925 D, 541.
Ridgway, R. 1887 A, 225.
Shufeldt, R. W. 1909 A, 373, figs. 85, 87, 89.
Recent; North America and South America: Pleistocene (La Brea); California.

MILVINÆ Bonaparte.

Bonaparte, C. L. 1838 B, 116.
Barrows, W. B. 1885 A, 273.
Carus, V. 1875 A, 308.
Coues, E. 1884 A, 522.
Knowlton, F. H. 1909 B, 234.
Reichenow, A. 1913 A, 396.
Shufeldt, R. W. 1909 A, 126, 377 (Milvidæ, Milvinæ).

PROICTINIA Shufeldt. Type *P. gilmorei* Shufeldt.

Shufeldt, R. W. 1913 C, 301, pl. lv, fig. 27.
Wetmore, A. 1923 A, 504.
The position of this genus is doubtful.

Proictinia effera Wetmore.

Wetmore, A. 1923 A, 504, figs. 19, 20.
1928 A, 153.
Lower Miocene (Lower Harrison); Nebraska.

Proictinia gilmorei Shufeldt.

Shufeldt, R. W. 1913 C, 301, pl. lv, fig. 27.
Lambrecht, K. 1921 A, 34.
Wetmore, A. 1923 A, 505.
Lower Pliocene (Republican River); Kansas.

ACCIPITRINÆ Swainson.

Swainson, W. 1837 A, 214.
Adolphi, H. 1922 A, 103.
Barrows, W. B. 1885 A, 273.
Bonaparte, C. L. 1838 B, 116.
1840 A, 261.
Brandt, J. F. 1853 A, 185, 189.

Carus, V. 1875 A, 307.
Coues, E. 1884 A, 526.
Evans, A. H. 1899 A, 146, 153.
Knowlton, F. H. 1909 B, 259.
Pycraft, W. P. 1902 A, 315.
Reichenow, A. 1913 A, 368.
Ridgway, R. 1875 A, 227.
Ridgway, R. 1887 A, 222.
Shufeldt, R. W. 1909 A, 126, 369.
Sushkin, P. P. 1899 A, 500.
1900 A, 275.
Wagner, R. 1843 A, 79.
Wetmore and Miller 1926 A, 342.

ACCIPITER Brisson. Type *A. accipiter* Brisson = *Falco nisus* Linnæus.

Brisson, M. J. 1760, Ornith., I, 310.
A. O. U. 1910 A, 155.
Barrows, W. B. 1885 A, 306.
Beddard, F. E. 1898 A, 478, 484.
Bignon, F. 1889 A.
Blanchard, E. 1859 A, 35.
Chomjakoff, M. 1901 A, 136.
Diethelm, M. 1907 A, 44.
Eyton, T. C. 1867 A, 5, pl. iii, fig. 6.
Heilmann, G. 1913 A, 16, fig. 10.
Knowlton, F. H. 1909 B, 259.
Lambrecht, K. 1914 A, 66.
Magnan, A. 1922 A, 135, pl. iv; text-fig. 2.
Newton and Gadow 1896 A. 1059.
Parker, W. K. 1875 A, 713, 714, fig. 25.
1875 D, 135, pls. xxv, figs. 7, 8.
Ridgway, R. 1887 A, 223, 227, pl. lxvi.
Shufeldt, R. W. 1909 A, 91, 126.
Steiner, H. 1918 A, 325, fig. 29.

Accipiter cooperi (Bonaparte).

Bonaparte, C. L. 1828, Amer. Ornith., II, 1, pl. x, fig. 1 (Falco).
A. O. U. 1910 A, 156.
Chandler, A. C. 1916 C, 336.
Hay, O. P. 1927 D, 186.
Knowlton, F. H. 1909 B, 260.
Miller, L. H. 1912 A, 84.
1921 C, 130.
1925 B, 95.
Ridgway, R. 1887 A, 228.
Recent; North America: Pleistocene (La Brea); California.

Accipiter velox (Wilson).

Wilson, A. 1812, Amer. Ornith., v, 116, pl. xlv, fig. 1 (Falco).
A. O. U. 1910 A, 115.
Hay, O. P. 1927 D, 186, 216.
Miller, L. H. 1911 C, 392, 399.
1912 A, 73, 84, 95, 113.
1925 B, 95.
Ridgway, R. 1887 A, 227.
Recent; North America: Pleistocene (La Brea, Samwel Cave); California.

BUTEONINÆ Swainson.

Swainson, W. 1837 A, 210 (Buteoninæ); 207 (Aquilinæ).
Adolphi, H. 1922 A, 91 (Aquilinæ).
Arldt, T. 1907 C, 677 (Aquilidæ).
1907 D, 639 (Aquilidæ).
Barrows, W. B. 1885 A, 273, 278 (Buteoninæ, Aquilinæ).
Bonaparte, C. L. 1838 B, 116.
1840 A, 260 (Aquilinæ, Buteoninæ).
Brandt, J. F. 1853 A, 185, 190 (Buteoninæ); 185, 187 (Aquilinæ).
Coues, E. 1884 A, 541.
Evans, A. H. 1899 A, 146, 164 (Buteoninæ); 146, 158 (Aquilinæ).
Gadow, H. 1893 A, 159 (Aquilinæ).
Knowlton, F. H. 1909 B, 254 (Buteoninæ); 238 (Aquilinæ).
Pander and Alton 1838 A, 13 ("buteonen").
Pycraft, W. P. 1902 A, 315 (Aquilinæ).
Reichenow, A. 1913 A, 389.
Ridgeway, R. 1875 A, 227 (Buteoninæ, Aquilinæ).
1876 A, 451.
1903 A, 510 (Buteoninæ); 511 (Aquilæ).
Shufeldt, R. W. 1909 A, 370 (Buteoninæ); 127 (Aquilinæ).
Stejneger, L. 1903 A, 629 (Accipitrinæ).
Sushkin, P. P. 1899 A, 500 (Buteoninæ, Aquilinæ).
1899 B, 153.
1900 A, 272.
Wetmore and Miller 1926 A, 342.

BUTEO Lacepède.

Lacepède, B. G. E. 1799, Tableaux Oiss., 4.
Adolphi, H. 1922 A, 10, 96, fig. 33.
Allen, J. A. 1893 B, 99.
Arldt, T. 1907 D, 210, 266.
Barrows, W. B. 1885 A, 278, 292.
Bignon, F. 1889 A.
Blanchard, E. 1859 A, 40.
Bonaparte, C. L. 1833 A, 1046.
Bonsdorff, E. J. 1871 A, 312.
Brandt, J. F. 1853 A, 191.
Chandler, A. C. 1916 C, 335.
Chomjakoff, M. 1901 A, 137.
Coues, E. 1884 A, 541.
Dabbene, R. 1910 A, 244.
Diethelm, M. 1907 A, 15, figs. 5, A, B.
Evans, A. H. 1899 A, 164.
Eyton, T. C. 1867 A, 9.
Gegenbaur, C. 1871 A, 189.
Heilmann, G. 1913 A, 16, fig. 10.
Hesse, H. 1907 A, 218, pl. viii, fig. 2.
Kingsley, J. S. 1925 A, 178, fig. 192.
Knowlton, F. H. 1909 B, 254.
Lambrecht, K. 1914 A, 66.
Leunis and Ludwig 1883 A, 428.
Lydekker, R. 1891 A, 21.
Mackie, S. J. 1863 C, 106.
Magnan, A. 1922 A, 177, pl. iv.
Newton and Gadow 1896 A. 1062.
Parker, W. K. 1875 A, 713.
Reichenow, A. 1913 A, 391.
Ridgway, R. 1887 A, 223, 229, pls. lxvii, lxxii.
Shufeldt, R. W. 1909 A, 370.
Strasser, H. 1885 A, 204.
Sundevall, C. J. 1886 A, 423.

Sushkin, P. P. 1899 A, 501.
1900 A, 277.
Wallace, A. R. 1876 A, II, 348.
Weitzel, A. 1865 A, 326.

Buteo borealis Gmelin.

Gmelin, J. G. 1788, Syst. Nat., I, 266.
A. O. U. 1910 A, 157.
Chandler, A. C. 1916 C, 335, pl. xxiii, fig. 38.
Coues, E. 1884 A, 544, fig. 380.
Hay, O. P. 1927 D, 186.
Knowlton, F. H. 1909 B, 255, fig. 81.
Matthew, W. D. 1918 A, 187 (This species?).
Merriam, J. C. 1917 A, 437 (This species?).
Miller, L. H. 1909 B, 306.
1910 C, 11.
1911 C, 391, 399.
1912 A, 71, 78, 84, 95.
1925 B, 95.
Osborn, H. F. 1925 D, 541.
Ridgway, R. 1887 A, 232.
Shufeldt, R. W. 1909 A, 72, 126, figs. 42, 45, 47.
Sinclair, W. J. 1915 A, 77 (This species?).
Wetmore, A. 1923 A, 491.
1926 F, 2.
1928 D, 149.
Recent; North America from Alaska to Guatemala: Pliocene (Snake Creek); Nebraska: Pleistocene (La Brea and Caves); California; Nebraska.

Buteo swainsoni Bonaparte.

Bonaparte, C. L. 1838, Geog. and Comp. List, 3.
A. O. U. 1910 A, 159.
Coues, E. 1884 A, 546.
Hay, O. P. 1927 D, 186, 216.
Miller, L. H. 1911 C, 391, 399.
1912 A, 73, 84, 95, 113 (This species?).
1925 B, 95.
Ridgway, R. 1887 A, 235.
Recent; North America and South America: Pleistocene (La Brea); California.

Buteo typhoius Wetmore.

Wetmore, A. 1923 A, 489, figs. 3-5.
Matthew, W. D. 1924 C, 68.
Wetmore, A. 1928 A, 153.
1928 D, 149, figs. 58-61.
Upper Miocene (Lower Snake Creek); Nebraska.

Buteo sp. indet.

Hay, O. P. 1927 D, 186. Pleistocene; California.
Merriam, J. C. 1919 A, 450, 462, 527. Miocene (Barstow); California.
Miller, L. H. 1912 A, 78, 113. Pleistocene (La Brea); California.
1925 B, 95. Pleistocene (La Brea); California.
Osborn, H. F. 1925 D, 541. Pleistocene (La Brea); California.

ARCHIBUTEO Brehm. Type *Falco lagopus* Brünnich.

Brehm, C. L. 1828, Isis, XXI, 1269.
Adolphi, H. 1922 A, 98.
A. O. U. 1910 A, 161.
Barrows, W. B. 1885 A, 291.
Blanchard, E. 1859 A, 40.
Brandt, J. F. 1853 A, 192.
Chandler, A. C. 1916 C, 335.
Coues, E. 1884 A, 549.
Eyton, T. C. 1867 A, 9.
Knowlton, F. H. 1909 B, 258.
Lambrecht, K. 1914 A, 66.
Leunis and Ludwig 1883 A, 429.
Miller, L. H. 1925 A, 309, 323.
Ridgway, R. 1887 A, 223, 240.
Shufeldt, R. W. 1909 A, 96, 126.
Sushkin, P. P. 1899 A, 501.
Wallace, A. R. 1876 A, II, 348.

Archibuteo ferrugineus (Lichtenstein).

Lichtenstein, M. H. C. 1839, Abh. k. Akad. Wiss. Berlin (Phys. Kl.) for 1838 (1839), 428 (Falco).
A. O. U. 1910 A, 161.
Coues, E. 1884 A, 551.
Hay, O. P. 1927 D, 198, 223.
Miller, L. H. 1911 C, 391, 399.
1912 A, 75, 84, 85, 95, 113.
Osborn, H. F. 1925 D, 541.
Ridgway, R. 1887 A, 241.
Recent; western North America: Pleistocene (Caves); California.

MORPHNUS *"Cuvier"* Dumont. Type *Falco guianensis* Daudin.

Dumont, C. H. F. 1816, Dict. Sci. Nat., Suppl., 88.
Barrows, W. B. 1885 A, 287, fig. 134.
Carus, V. 1875 A, 309.
Knowlton, F. H. 1909 B, 245.
Leunis and Ludwig 1883 A, 430.
Miller, L. H. 1911 B, 312.
1912 A, 92, 93, 96.
1919 A, 427 ("walking eagle").
1921 B, 263 (Morphus).
1923 A, 351.
Osborn, H. F. 1925 D, 541.
Pycraft, W. P. 1902 A, 315.
Reichenow, A. 1913 A, 385.
Ridgway, R. 1876 B, 147.
Sushkin, P. P. 1899 A, 501.

Morphnus woodwardi Miller.

Miller, L. H. 1911 B, 312, 316, figs. 2*a*, 3*b*.
Hay, O. P. 1927 D, 186.
Miller, L. H. 1912 A, 78, 92, 95, 97, 114.
1925 B, 96.
Osborn, H. F. 1925 D, 541.
Wyman, L. E. 1922 A, 31.
Pleistocene (La Brea); California.

WETMOREGYPS Miller. Type *Morphnus daggetti* Miller.

Miller, L. H. 1928, Condor, xxx, 255.

Wetmoregyps daggetti (Miller).

Miller, L. H. 1915 A, 179, fig. 63 (Morphnus).
Hay, O. P. 1927 D, 186 (Morphnus).
Lambrecht, K. 1921 A, 30 (Morphnus).
Miller, L. H. 1921 C, 130 (Morphnus).
1925 B, pl. *v*. figs. *f-h* (Morphnus).
Miller, L. H. 1928, Condor, xxx, 255.
Osborn, H. F. 1925 D, 541 (Morphnus).
Wetmore, A. 1923 A, 486 (Morphnus).
Wyman, L. E. 1922 A, 31 (Morphnus).
Pleistocene (La Brea); California.

GERANOAËTUS Kaup. Type *G. aguja* = *G. melanoleucus* (Vieillot).

Kaup, J. J. 1844, Class. Säugethiere u. Vögel, 122.
Miller, L. H. 1911 B, 312.
1912 A, 92, 96.
Ridgway, R. 1876 B, 131.
Sushkin, P. P. 1899 A, 501.
Wetmore, A. 1923 A, 485.
1926 C, 405.

Geranoaëtus ales Wetmore.

Wetmore, A. 1926 C, 403, pl. xxxviii.
1928 A, 153.
Upper Miocene (Lower Harrison); Nebraska.

Geranoaëtus conterminus Wetmore.

Wetmore, A. 1923 A, 497, figs. 11-13.
Matthew, W. D. 1924 C, 68.
Wetmore, A. 1926 C, 406.
Lower Pliocene (Upper Snake Creek); Nebraska.

Geranoaëtus contortus Wetmore.

Wetmore, A. 1923 A, 492.
Matthew, W. D. 1924 C, 68.
Wetmore, A. 1926 C, 406.
1928 A, 153.
Upper Miocene (Lower Snake Creek); Nebraska.

Geranoaëtus dananus (Marsh).

Hay, O. P. 1902 A, 536 (Aquila).
Lambrecht, K. 1921 A, 33 (Aquila).
Matthew, W. D. 1918 A, 187 (Aquila. This species?).
Merriam, J. C. 1917 A, 437 (Aquila. This species?).
Miller, L. H. 1912 A, 92, 94, 95 (Aquila).
Shufeldt, R. W. 1915 D, 60, 77, pl. ii, fig. 13 (Aquila).
Sinclair, W. J. 1915 A, 77 (Aquila. This species?).
Wetmore, A. 1923 A, 499, 504 (Aquila).
1926 C, 406.
Upper Miocene or Pliocene (Snake Creek): Nebraska: Pleistocene? (Loup Fork); Nebraska.

Geranoaëtus fragilis Miller.

Miller, L. H. 1911 B, 315, 316, figs. 5*a*, 5*b*.
Hay, O. P. 1927 D, 186.
Miller, L. H. 1912 A, 78, 92, 95, 97, 114 (G. fragilis); 94 (G. gracilis).
1925 B, 98.
Osborn, H. F. 1925 D, 541.
Wetmore, A. 1923 A, 488, 502.
1926 C, 406.
Wyman, L. E. 1922 A, 31.
Pleistocene (La Brea); California.

Geranoaëtus grinnelli Miller.

Miller, L. H. 1911 B, 314, 316, figs. 4*a*, 4*b*.
Hay, O. P. 1927 D, 186.
Miller, L. H. 1911 C, 392.
1912 A, 78, 92, 95, 97, 114.
1925 B, 97.
Osborn, H. F. 1925 D, 541.
Wetmore, A. 1923 A, 488.
1926 C, 406.
Wyman, L. E. 1922 A, 31.
Pleistocene (La Brea); California.

Geranoaëtus melanoleucus (Vieillot).

Vieillot, L. J. P. 1819, Nouv. Dict. d'hist. nat. (nouv. ed.), 57 (Spizætus).
Hay, O. P. 1927 D, 223.
Miller, L. H. 1912 A, 75, 93, 95, 97, 114 (This species?).
Ridgway, R. 1876 B, 131.
Sharpe, R. B. 1874, Cat. Birds Brit. Mus., I, 168 (Buteo).
1899, Hand-list gen. and spec. birds, I, 225.
Wetmore, A. 1923 A, 488.
1926 C, 406.
1928 B, 3, figs. 1, 2.
1928 D, 150.
Recent; South America, Cuba: Pleistocene; Cuba.
Doubtfully in Hawver Cave, California.

Geranoaëtus sp. indet.

Matthew, W. D. 1918 A, 187. Pliocene (Snake Creek); Nebraska.
Miller, L. H. 1911 C, 392, 399. Pleistocene (Hawver Cave); California.
1922 A, 123 (This genus?). Pleistocene (McKittrick); California.

URUBITINGA La Fresnaye. Type *Falco urubitinga* Gmelin.

La Fresnaye, F. 1843, Dict. Univ. Hist. Nat., II, 786.
Barrows, W. B. 1885 A, 290.
Bignon, F. 1889 A.
Reichenow, A. 1913 A, 390.
Ridgway, R. 1887 A, 223, 238, pls. lxviii, lxxii.
Wetmore, A. 1923 A, 500.
1926 F, 1.

Urubitinga enecta Wetmore.

Wetmore, A. 1923 A, 500, figs. 14-18.
Matthew, W. D. 1924 C, 68.
1924 F, 119 ("Urubitinga").
Wetmore, A. 1926 F, 1, figs. 1-3.
Middle Miocene (Sheep Creek); Nebraska.

AQUILA Brisson. Type *Falco chrysaëtos* Linnæus.

Brisson, M. J. 1760, Ornith., I, 419.
Hay, O. P. 1902 A, 536.
Adolphi, H. 1922 A, 17, 91, fig. 7.
Aeby, C. 1873 A, 702.
Allen, J. A. 1893 B, 99.
A. O. U. 1910 A, 161.
Arldt, T. 1907 D, 639.
Barrows, W. B. 1885 A, 278, 281.
Beddard, F. E. 1898 A, 476.
Bittner, F. 1912 A, 8.
Bonsdorff, E. J. 1871 A, 310.
Chandler, A. C. 1916 C, 335.
Coues, E. 1884 A, 553.
Cuvier, G. 1805 A.
Diethelm, M. 1907 A, 7, fig. 2 D.
Eyton, T. C. 1867 A, 11, pl. ii, fig. 14; pl. v, fig. 2.
Fürbringer, M. 1888 A, pls. iii, iv, vi, vii.
Gaillard, C. 1908 A, 27.
Gaupp, E. 1905 D, 1025, fig. 43 ("adler").
Gegenbaur, C. 1871 A, 189.
Heilprin, A. 1887 A, 79.
Kessler, K. T. 1841 A, 488.
Knowlton, F. H. 1909 B, 238.
Ledouble, A. F. 1903 A, 642 ("aigle").
Leunis and Ludwig 1883 A, 429.
Lühder, W. 1871 A, 326.
Lydekker, R. 1879 A, 36, pl. iv, figs. 3-5.
1891 A, 24.
Mackie, S. J. 1863 C, 106.
Magnan, A. 1922 A, 156, pl. ii; text-figs. 10, 11.
Magnus, H. 1871 A, 18.
Miller, L. H. 1911 B, 307.
1924 B, 179.
1925 B, 81.
Newton and Gadow 1896 A, 1060.
Owen, R. 1866 B.
1868 A, 861.
Parker, W. K. 1875 A, 713.
Pycraft, W. P. 1902 A, 280.
Reichenow, A. 1913 A, 395.
Ridgway, R. 1887 A, 223, 241, pl. lxix.
Shufeldt, R. W. 1909 A, 126.
1913 C, 296.
Strasser, H. 1885 A, 204.
Sundevall, C. J. 1886 A.
Sushkin, P. P. 1899 A, 501.
Wallace, A. R. 1876 A, II, 348.
Weitzel, A. 1865 A, 359.
Zittel and Schlosser 1911 A, 324.
1923 A, 400.

Aquila antiqua Shufeldt.

Shufeldt, R. W. 1913 C, 297, pl. lv, fig. 26.
1915 D, 42.
Middle Eocene (Bridger); Wyoming.

Aquila chrysaëtos (Linnæus).

Linnæus, C. 1758 A, 88 (Falco).
Abel, O. 1912 F, 22, 533.
1926 B, 236 (A. chrisaëtos).
A. O. U. 1910 A, 162.
Coues, E. 1884 A, 554.
Eyton, T. C. 1867 A, 11, pl. i, fig. 1; pl. vi, fig. 6.
Hay, O. P. 1927 D, 186, 198.
Knowlton, F. H. 1909 B, 238.
Miller, L. H. 1909 B, 306.
1910 C, 11.
1911 B, 307, 316, fig. 1.
1912 A, 78, 84, 92, 95, 113.
1921 A, 567.
1922 A, 123.
1925 A, 309, 323.
1925 B, 95.
1927 A, 156.
Osborn, H. F. 1910 B, 473.
1925 D, 541.
Ridgway, R. 1887 A, 242.
Shufeldt, R. W. 1909 A, 369, pls. v, xv; text-figs. 48, 50.
1913 A, 39.
1913 B, 153, pl. xl, figs. 488-493, 495.
1913 F, 307.
Sundevall, C. J. 1886 A, 406.
Wetmore, A. 1926 F, 2.
Recent; northern part of Northern Hemisphere: Pleistocene (La Brea); California; (Fossil Lake); Oregon.

Aquila ferox Shufeldt.

Shufeldt, R. W. 1913 C, 297.
Lambrecht, K. 1921 A, 33.
Middle Eocene (Bridger); Wyoming.

Aquila lydekkeri Shufeldt.

Shufeldt, R. W. 1913 C, 298.
Lambrecht, K. 1921 A, 33.
Middle Eocene (Bridger); Wyoming.

Aquila pliogryps Shufeldt.

Hay, O. P. 1902 A, 536.
1927 D, 244.

Lambrecht, K. 1921 A, 33.
Miller, L. H. 1912 A, 81, 92, 95, 114.
Shufeldt, R. W. 1913 B, 157.
Pleistocene (Fossil Lake); Oregon.

Aquila sodalis Shufeldt.

Hay, O. P. 1902 A, 536.
1927 D, 244.
Lambrecht, K. 1921 A, 33.
Miller, L. H. 1912 A, 81, 92, 93, 95, 114.
Shufeldt, R. W. 1913 B, 157.
Pleistocene (Fossil Lake); Oregon.

Aquila sp. indet.

Matthew, W. D. 1924 C, 68.
Wetmore, A. 1923 A, 504. Upper Miocene (Lower Snake Creek); Nebraska.

Haliæetus Savigny. Type *H. nisus* Savigny = *Falco albicilla* Linnæus.

Savigny, M. J. C. L. 1809, Descr. de l'Egypte, 68, 85.
Adolphi, H. 1922 A, 10, 94, fig. 32 (Haliaëtos).
Barrows, W. B. 1885 A, 281 (Haliaëtus).
Beddard, F. E. 1898 A, 541.
Blanchard, E. 1859 A, 40.
Brandt, J. F. 1853 A, 188 (Haliaëtos).
Chandler, A. C. 1916 C, 335.
Coues, E. 1884 A, 554.
Dabbene, R. 1910 A, 478.
Döderlein, L. 1902 A, 438.
1923 A, 142, 162 (Haliætus).
Foote, J. S. 1916 A, pl. v.
Fürbringer, M. 1888 A, pl. iii (Haliaëtos).
Gegenbaur, C. 1871 A, 189 (Haliaëtus).
Heilmann, G. 1913 B, 79 (Haliaëtus).
Kingsley, J. S. 1925 A, 255, fig. 271 (Haliætus).
Knowlton, F. H. 1909 B, 235 (Haliaëtus).
Lambrecht, K. 1914 A, 58, 66, text-figs. 1, 2 (Haliaëtus).
Leunis and Ludwig 1883 A, 431 (Haliætus).
Lühder, W. 1871 A, 329 (Haliaëtos).
Lydekker, R. 1891 A, 23 (Haliaëtus).
Miller, L. H. 1911 B, 307.
1916 B, 100.
1921 B, 262 (Haliaëtus).
Newton and Gadow 1896 A, 1070.
Owen, R. 1866 B, 21 (Haliætus).
Pycraft, W. P. 1902 A, 280.
Reichenow, A. 1913 A, 398 (Haliaëtus).
Ridgway, R. 1887 A, 223, 242, pl. lxxi.
Selenka, E. 1869 A, 32 (Haliaëtos).
Shufeldt, R. W. 1909 A, 126.
Sushkin, P. P. 1899 A, 501.
1900 B, 527.
Taschenberg, O. 1899 A, 4096 (Haliaëtus).
Weitzel, A. 1865 A, 359 (Haliætos).

Haliæetus leucocephalus (Linnæus).

Linnæus, C. 1766, Syst. Nat., ed. 12, 1, 124 (Falco).
A. O. U. 1910 A, 162.
Coues, E. 1884 A, 555, fig. 384.
Eyton, T. C. 1867 A, 14, pl. i; pl. ii, fig. 1; pl. iii, fig. 2 (Pandion).
Giebel, C. G. 1865 D, 505 (Haliaëtos).
Hay, O. P. 1927 D, 186, 280.
Knowlton, F. H. 1909 B, 235, fig. 77 (Haliaëtus).
Miller, L. H. 1911 B, 310, 311, 316, figs. 2*a*, 2*b*.
1912 A, 78, 84, 92, 93, 95, 114.
1925 B, 67, 81, 96 (Haliaëtus).
Osborn, H. F. 1925 D, 541.
Ridgway, R. 1887 A, 243.
Shufeldt, R. W. 1909 A, 375, pl. vii: pl. x, fig. 20; pl. xi, fig. 25; pl. xvi, fig. 33; text-figs. 49, 50, 52.
1913 A, 39.
1913 B, 153, 175, pl. xl, figs. 487, 494, 496 (Aquila haliæetus); 157 (Haliæëtus leucocephalus).
1913 C, 295, pl. lv, figs. 29, 33-37, 42.
1913 F, 307.
Recent; North America: Pleistocene (La Brea); California: (Sheridan); Nebraska: (Fossil Lake); Oregon.

CIRCINÆ Bonaparte.

Bonaparte, C. L. 1838 B, 116.
Barrows, W. B. 1885 A, 273, 294.
Blanchard, E. 1859 A, 42.
Carus, V. 1875 A, 307.
Coues, E. 1884 A, 521.
Knowlton, F. H. 1909 B, 251.
Pycraft, W. P. 1902 A, 315.
Shufeldt, R. W. 1909 A, 126, 371.
Wetmore and Miller 1926 A, 342.

Circus Lacepède. Type *Falco æruginosus* Linnæus.

Lacepède, B. G. E. 1799, Tableaux Oiss., 4.
Adolphi, H. 1922 A, 111.
Barrows, W. B. 1885 A, 294.
Bignon, F. 1889 A.
Bittner, F. 1912 A, 9.
Blanchard, E. 1859 A, 42.
Chandler, A. C. 1916 C.
Chomjakoff, M. 1901 A, 136.
Coues, E. 1884 A, 521.
Dabbene, R. 1910 A, 15, 241.
Eyton, T. C. 1867 A, 7, pl. ii, fig. 4; pl. iii, fig. 4.
Fürbringer, M. 1888 A.
Knowlton, F. H. 1909 B, 251.
Lambrecht, K. 1914 A, 66.
Leunis and Ludwig 1883 A, 426.
Lydekker, R. 1891 A, 20.
Magnan, A. 1922 A, 177, pl. vi.

Miller, L. H. 1912 A, 96.
Newton and Gadow 1896 A, 1064.
Parker, W. K. 1875 A, 713.
Pycraft, W. P. 1902 A, 283.
Reichenow, A. 1913 A, 382.
Ridgway, R. 1887 A, 223, 227, pl. lxvi.
Shufeldt, R. W. 1909 A, 9, 126.
Sushkin, P. P. 1899 A, 501.

Circus hudsonius Linnæus.

Linnæus, C. 1766, Syst. Nat., ed. 12, I, 128 (Falco).
A. O. U. 1910 A, 155.
Chandler, A. C. 1916 C.
Coues, E. 1884 A, 521 (C. cyaneus h.).
Hay, O. P. 1927 D, 186, 198, 244.
Knowlton, F. H. 1909 B, 251.
Miller, L. H. 1909 B, 306.
1910 C, 11.
Miller, L. H. 1911 A, 87.
1912 A, 78, 81, 84, 95, 113.
1922 A, 123.
1925 A, 322.
1925 B, 94.
Osborn, H. F. 1925 D, 541.
Ridgway, R. 1887 A, 226.
Recent; Alaska to Prince Edward Island and Cuba: Pleistocene (La Brea); California.

Circus sp. indet.

Hay, O. P. 1927 D, 186, 198. Pleistocene; California.
Miller, L. H. 1912 A, 78, 95. Pleistocene (La Brea); California.
1921 A, 567. Pleistocene (McKittrick); California.
Osborn, H. F. 1925 D, 541. Pleistocene (La Brea); California.

FALCONIDÆ Vigors.

Vigors, N. A. 1825 A, 422.
Hay, O. P. 1902 A, 535.
Adolphi, H. 1922 A, 91.
Allen, J. A. 1871 A.
Arldt, T. 1907 D, 654.
1912 A, 710, 756.
Barrows, W. B. 1885 A, 263, 273.
Beddard, F. E. 1898 A, 472.
Bittner, F. 1912 A, 2 ("falconiden").
Bonaparte, C. L. 1831 A, 29.
1832 A, 295.
Brandt, J. F. 1853 A, 185.
Carus, V. 1875 A, 306.
Chandler, A. C. 1916 C.
Dabbene, R. 1910 A, 147 (Accipitridæ); 475 (Falconidæ).
Evans, A. H. 1899 A, 146.
Forbes, W. A. 1882 D, 63.
Fürbringer, M. 1902 B, 640, 641.
Gadow, H. 1893 A, 159.
Garrod, A. H. 1873 D, 634.
1874 A, 117, 122.
Gervais, P. 1856 A, 8 ("falconidés").
Hesse, H. 1907 A, 218.
Huxley, T. H. 1867 A, 462 (Gypaëtidæ. in part).
1867 C, 282 (Gypaëtidæ. in part).
Knowlton, F. H. 1909 B, 212.
Lebedinsky, N. G. 1913 A.
Leunis and Ludwig 1883 A, 423.
Lobley, J. L. 1908 A, 201, 207.
Lydekker, R. 1891 A, 19.
Miller, L. H. 1912 A, 92.
1913 A, 132.
1925 B, 92.
Newton, A. 1885 A, 47.
Parker, W. K. 1875 D, 129, 136.
1888 D, 473 ("falcons").
Pycraft, W. P. 1901 A, 350.
1902 A, 278, 315, 318.
1902 B, 324 ("hawks").
Reichenow, A. 1913 A, 367.
Ridgway, R. 1875 A, 225.
1876 A, 451.
1887 A, 218, 222.
1903 A, 509.
Shufeldt, R. W. 1904 B, 853.
1907 A, 123.
1909 A, 126, 374 (Falconoidea, Falconidæ).
Steiner, H. 1918 A, 324, 490.
Stejneger, L. 1903 A, 629.
Suschkin, P. 1899 A, 500.
1905 A.
Taschenberg, O. 1899 A, 4053.
Wallace, A. R. 1876 A, II, 347.
1894 A, 441.
Wetmore and Miller 1926 A, 342.

PANDIONINÆ.

Adolphi, H. 1922 A, 119 (Pandionidæ).
A. O. U. 1910 A, 168 (Pandionidæ).
Barrows, W. B. 1885 A, 273.
Beddard, F. E. 1898 A, 478 (Pandionidæ).
Coues, E. 1884 A, 556 (Pandionidæ).
Fürbringer, M. 1888 A, 1306.
Gadow, H. 1893 A, 159 (Pandionidæ).
Knowlton, F. H. 1909 B, 271.
Ridgeway, R. 1903 A, 510 (Pandiones).
Shufeldt, R. W. 1909 A, 126, 378 (Pandionidæ).
Suschkin, P. 1899 A, 500 (Pandionidæ).
Wetmore and Miller 1926 A, 342.

PANDION Savigny. Type *Falco haliaëtus* Linnæus.

Savigny, M. J. C. L. 1809, Descrip. de l'Égypte, I, 69, 95.
A. O. U. 1910 A, 168.
Barrows, W. B. 1885 A, 293.
Beddard, F. E. 1898 A, 544.
Blanchard, E. 1859 A, 39.
Coues, E. 1884 A, 556.
Fürbringer, M. 1888 A, pls. i, iii, vi.

Heilmann, G. 1913 A, 16, fig. 10.
1913 B, 79.
Huxley, T. H. 1867 A, 464.
1867 C, 282.
Knowlton, F. H. 1909 B, 231.
Lebedinsky, N. G. 1921 A, 13.
Leunis and Ludwig 1883 A, 431.
Magnan, A. 1922 A, 177.
Miller, L. H. 1925 B, 90.
Newton and Gadow 1896 A, 1077.
Owen, R. 1866 B, 21.
Pycraft, W. P. 1902 A, 281.
Reichenow, A. 1913 A, 399.
Ridgway, R. 1887 A, 254, pl. lxx.
1903 A, 510.
Selenka, E. 1869 A, pl. xvi, fig. 7.
Shufeldt, R. W. 1885 C, 516, fig.
1909 A, 378.
Sundevall, C. J. 1886 A, 406.
Sushkin, P. P. 1899 A, 510.
Weitzel, A. 1865 A, 359.

Pandion haliaëtus carolinensis (Gmelin).

Gmelin, J. F. 1788, Syst. Nat. I, I, 263 (Falco carolinensis).
Adolphi, H. 1922 A, 10, 119, fig. 39 (P. haliaëtus).
A. O. U. 1910 A, 168.
Barrows, W. B. 1885 A, 293, pl. (P. haliaëtus).
Coues, E. 1884 A, 556, fig. 385 (P. haliaëtus).
Ridgway, R. 1887 A, 255 (P. haliaëtus).
Shufeldt, R. W. 1913 B, 153 (Aquila haliæëtus).
Recent; N. and S. America to Paraguay: Pleistocene (Fossil Lake); Oregon.

POLYBORINÆ Bonaparte.

Bonaparte, C. L. 1838 B, 116.
A. O. U. 1910 A, 167.
Arldt, T. 1907 C, 677 (Polyboridæ).
1907 D, 675.
Barrows, W. B. 1885 A, 273, 300.
Blanchard, E. 1859 A, 43, 45.
Coues, E. 1884 A, 539.
Evans, A. H. 1899 A, 151.
Knowlton, F. H. 1909 B, 220.
Miller, L. H. 1916 C, 105.
Pycraft, W. P. 1902 A, 293 (Polyboridæ); 296, 315, 318 (Polyborinæ).
Reichenow, A. 1913 A, 370.
Ridgway, R. 1875 A, 229, 231 (Polybori).
1876 A, 451 (Polybori).
1903 A, 510 (Polybori).
Shufeldt, R. W. 1909 A, 126, 379.
Sushkin, P. P. 1905 A.
1905 A.
Wetmore and Miller 1926 A, 342.

POLYBORUS Vieillot. Type *Falco tharus* Molina.

Vieillot, L. J. P. 1816, Analyse, 22.
A. O. U. 1910 A, 167.
Barrows, W. B. 1885 A, 301, fig. 141.
Coues, E. 1884 A, 539.
Dabbene, R. 1910 A, 486.
Fürbringer, M. 1888 A, pl. vi.
Huxley, T. H. 1867 A, 464.
Kingsley, J. S. 1925 A, 270, fig. 295.
Knowlton, F. H. 1909 B, 221.
Leunis and Ludwig 1883 A, 425.
Magnan, A. 1922 A, 167.
Miller, L. H. 1912 A, 92.
Newton and Gadow 1896 A, 74.
Pycraft, W. P. 1902 A, 280.
Reichenow, A. 1913 A, 372.
Ridgway, R. 1876 A, 452, 454.
1887 A, 224, 253.
Selenka, E. 1869 A, pl. xvi.
Shufeldt, R. W. 1909 A, 379.
Suschkin, P. 1905 A.
Eyton, T. C. 1867 A, 23, pl. i, fig. 9; pl. vi, fig. 4 (P. tharus).
Hay, O. P. 1927 D, 186, 198.
Knowlton, F. H. 1909 B, 221, fig. 75.
Miller, L. H. 1912 A, 78, 95, 96, 102, 114 (P. tharus).
1921 A, 567 ("caracara").
1921 C, 130.
1922 A, 123 ("C. sp.").
1923 A, 352 ("caracara").
1925 A, 309, 324.
1925 B, 99.
1927 A, 156.
Osborn, H. F. 1925 D, 541.
Reichenow, A. 1913 A, 372.
Ridgway, R. 1876 A, 457, pl. xxii.
1887 A, 254.
Shufeldt, R. W. 1909 A, 10, 27, fig. 14 (P. tharus); 379, figs. 53-55 (P. cheriway).
Recent; Florida to Arizona and Lower California, south to Guiana and Ecuador: Pleistocene (Early); California.

Polyborus cheriway (Jacquin).

Jacquin, J. F. 1784, Beytr. Gesch. Vögel, 17, pl. iv (Falco).
A. O. U. 1910 A, 167.
Coues, E. 1884 A, 220 (P. tharus audubonii); 539 (P. auduboni).

Polyborus sp. indet.

Hay, O. P. 1927 D, 198. Pleistocene; California.

FALCONINÆ Bonaparte.

Bonaparte, C. L. 1831 A, 30.
Adolphi, H. 1922 A, 111.
A. O. U. 1910 A, 163.
Barrows, W. B. 1885 A, 273.
Bonaparte, C. L. 1840 A, 261.
Brandt, J. F. 1853 A, 185, 194.
Coues, E. 1884 A, 531.
Evans, A. H. 1899 A, 146, 173.

Fürbringer, M. 1888 A, 1294.
Pycraft, W. P. 1902 A, 315, 318.
Reichenow, A. 1913 A, 404.
Ridgway, R. 1875 A, 227, 229.
1876 A, 451.
1903 A, 510.
Shufeldt, R. W. 1909 A, 126, 374.
Stejneger, L. 1903 A, 629.
Suschkin, P. 1900 A, 272.
1900 B, 522.
1905 A.
1909 A, 126, 130, 131.
Wetmore and Miller 1926 A, 342.

FALCO Linnæus. Type *F. subbuteo* Linnæus.

Linnæus, C. 1758 A, 88.
Adolphi, H. 1922 A, 113.
Allen, J. A. 1893 B, 99.
A. O. U. 1910 A, 163.
Barrows, W. B. 1885 A, 309.
Beddard, F. E. 1898 A, 540.
Bittner, F. 1912 A, 3.
Blanchard, E. 1859 A, 34.
Bonsdorff, E. J. 1871 A, 305, pl. i.
Brandt, J. F. 1853 A, 195.
Bronn, H. G. 1848 A, 488.
1849 A, 700.
Chandler, A. C. 1916 C, 335.
Cuvier, G. 1805 A.
Dabbene, R. 1910 A, 117, 250.
Diethelm, M. 1907 A, 20.
Döderlein, L. 1923 A, 142, 162.
Eyton, T. C. 1867 A, 3, pl. iii, fig. 1.
Fürbringer, M. 1888 A, pls. iii, iv, vi, vii.
Gaupp, E. 1908 B, 528.
Gegenbaur, C. 1863 A, 471.
Giebel, C. G. 1855 B, 39.
Kessler, K. T. 1841 A, 487.
Knowlton, F. H. 1909 B, 212.
Köstlin, O. 1844 A.
Lambrecht, K. 1914 A, 66.
Leunis and Ludwig 1883 A, 432.
Lühder, W. 1871 A, 326.
Mackie, S. J. 1863 C, 106.
Magnan, A. 1922 A, 135, pls. i, ii, vii, xii, xiv; text-fig. 2.
Magnus, H. 1871 A, 52.
Meckel, J. F. 1825 A.
Miller, L. H. 1925 B, 90.
Newton and Gadow 1896 A, 1067.
Noordenbos, W. 1905 B, 392.
Owen, R. 1866 B, 32, 60.
Pander and Alton 1838 A, 12, pl. iii.
Parker, W. K. 1875 A, 714.
1875 D, 130, 132, pls. xxiv, xxv.
1888 D, 478.
Pycraft, W. P. 1902 A, 280.
Reichenow, A. 1913 A, 407.
Ridgway, R. 1887 A, 224, 244, pls. lxxii, lxxiii.
Selenka, E. 1869 A, pl. ii, fig. 1; pl. xii, fig. 11; pl. xvi, fig. 3.
Shufeldt, R. W. 1909 A, 374.
Sieglbauer, F. 1911 A, 275.
Sippel, W. 1907 A, 492.
Sundevall, C. J. 1886 A, 401, 403.
Sushkin, P. P. 1899 A, 501.
1905 A.
Taschenberg, O. 1899 A, 4054.
Wagner, R. 1843 A.
Weitzel, A. 1865 A, 325.

Falco columbarius Linnæus.

Linnæus, C. 1758 A, 90.
A. O. U. 1910 A, 165.
Miller, L. H. 1921 C, 130.
1925 B, 99.
Ridgway, R. 1887 A, 250.
Recent; North America: Pleistocene (La Brea); California.

Falco falconellus Shufeldt.

Shufeldt, R. W. 1915 D, 40, pl. xv, figs. 139-143 (F. falconella).
Lambrecht, K. 1921 A, 31 (F. falconella).
Middle Eocene (Bridger); Wyoming.

Falco fusco-cærulescens Vieillot.

Vieillot, J. 1817, Nouv. Dict. d'Hist. Nat., XI, 90.
Hay, O. P. 1927 D, 198.
Miller, L. H. 1921 A, 567 (F. fuscocerulescens?).
1925 B, 99 (F. fusco-cerulescens).
Recent; California to Patagonia: Pleistocene (La Brea); California.

Falco mexicanus Schlegel.

Schlegel, H. 1850, Abh. Geb. Zool., Hft. 3, 15.
A. O. U. 1910 A, 164.
Coues, E. 1884 A, 534.
Hay, O. P. 1927 D, 186.
Knowlton, F. H. 1909 A, 213.
Miller, L. H. 1925 B, 98.
Ridgway, R. 1887 A, 247.
Recent; British Columbia, Saskatchewan to southern Mexico: Pleistocene (La Brea); California.

Falco peregrinus Tunstall.

Tunstall, M. 1771, Orn. Brit., 1.
Adolphi, H. 1922 A, 112, fig. 37.
Barrows, W. B. 1885 A, 310, fig. 146.
Chandler, A. C. 1916 C, 335, pl. 23, fig. 36a.
Coues, E. 1884 A, 534, fig. 377.
Eyton, T. C. 1867 A, 1, pl. iii A; pl. ii, fig. 3; pl. v, fig. 4; pl. vi, fig. 5; pl. vii, fig. 2.
Fürbringer, M. 1888 A, pls. iii, iv, vi.
Hay, O. P. 1927 D, 186, 198.
Heilmann, G. 1913 A, 16, fig. 10.
Kessler, K. T. 1841 A, 680.
Knowlton, F. H. 1909 B, 214.
Lebedinsky, N. G. 1918 B, 141, fig. 5.
Miller, L. H. 1911 C, 392, 399.
1912 A, 70, 71, 72, 78, 84, 95, 114.
1921 C, 130.
1922 A, 123.
1925 A, 323.

Osborn, H. F. 1925 D, 541.
Parker, W. K. 1875 A, 713.
Ridgway, R. 1887 A, 247.
Shufeldt, R. 1909 A, 126.
The remains found in California probably belong to *F. mexicanus*, according to Miller, L. H. 1921 C, 130.
Recent; Greater part of North America: Pleistocene (La Brea and caves); California.

Falco sparverius (Linnæus).

Linnæus, C. 1758 A, 90
Adolphi, H. 1922 A, 118.
Coues, E. 1884 A, 537.
Hay, O. P. 1927 D, 186, 198, 216.
Knowlton, F. H. 1909 B, 219, fig. 74.
Miller, L. H. 1911 C, 392, 399.
1912 A, 71, 73, 78, 84, 95.
1922 A, 123.
1925 A, 324.
1925 B, 99.
Osborn, H. F. 1925 D, 541.
Pander and Alton 1838 A, 13.
Ridgway, R. 1887 A, 252.
Shufeldt, R. W. 1909 A, 374, fig. 28.
Recent; North America: Pleistocene (La Brea and caves); California.

Falco sp. indet.

Hay, O. P. 1927 D, 186. Pleistocene; California.
Miller, L. H. 1925 B, 99. Pleistocene (La Brea); California.

ÆGYPIIDÆ.

Neogyps Miller. Type *N. errans* Miller, L. H.

Miller, L. H. 1916 C, 108.
Abel, O. 1926 B, 238 ("N." sp.?).
Osborn, H. F. 1925 D, 541.

Neogyps errans Miller, L. H.

Miller, L. H. 1916 C, 108, fig. 2.
Hay, O. P. 1927 D, 186.
Lambrecht, K. 1921 A, 30.
Miller, L. H. 1925 B, 102, fig. 20.
1927 A, 156.
Osborn, H. F. 1925 D, 541.
Pleistocene (La Brea); California.

Neophrontops Miller. Type *N. americanus* Miller.

Miller, L. H. 1916 C, 106.
Abel, O. 1926 B, 238 (N. sp.?).
Osborn, H. F. 1925 D, 541.

Neophrontops americanus Miller.

Miller, L. H. 1916 C, 106, fig. 1.
Hay, O. P. 1927 D, 186, 198.
Lambrecht, K. 1921 A, 30.
Miller, L. H. 1925 A, 309, 315, 323.
1925 B, 101, pl. v, figs. 4, 5; text-figs 18, 19.
1927 A, 156.
Osborn, H. F. 1925 D, 541.
Wyman, L. E. 1922 A, 31, fig. 21.
Pleistocene (La Brea); California.

Suborder Galliformes Garrod.

Garrod, A. H. 1874 A, 116.
Unless otherwise indicated the writers, as quoted, use for this group the name Gallinæ.
Hay, O. P. 1902 A, 533.
Adolphi, H. 1922 A, 120.
Anderson, R. J. 1909 B, 745 (Gallinaceæ).
Arldt, T. 1907 D, 655 (Galliformes).
1912 A, 686, 687 (Galliformes).
Beddard, F. E. 1898 A, 290 (Galli).
Beecker, A. 1903 A, 593 (Gallus).
Bonaparte, C. L. 1831 A, 33.
1832 A, 306.
1833 A, 1062.
Bonsdorff, E. J. 1871 A, 310 (Gallinaceæ).
Braus, H. 1908 A, 386, figs. 1-3.
Carus, V. 1875 A, 317 (Rasores).
Chandler, A. C. 1914 B, 141 (Galli).
1916 C (Galliformes).
Clark, H. L. 1901 A, 377 ("galliform").
Cope, E. D. 1891 N, 58, 60.
Coues, E. 1884 A, 571.
Cutler, I. E. 1924 A, 144 ("fowls").
Cuvier, G. 1805 A.
Dabbene, R. 1910 A, 477 (Galliformes).
Du Toit, P. J. 1913 A (Gallus).
1914 A, 310 (Gallus).
Edgeworth, F. H. 1907 A, 511, figs. 1-17 (Gallus).
Evans, A. H. 1899 A, 186 (Galliformes).
Finn, F. 1894 A, 210.
1894 B, 454.
Foote, J. S. 1921 A, 7, pl. ii, fig. 13 (Gallus).
Forbes, W. A. 1881 A, 3.
Froriep, A. 1883 A, 177, pls. vii-ix; text-figs. 1-8.
1886 A, 137 ("hühner").
Fuchs, H. 1909 B, 132 (Phasianus, Tetrao).
Fürbringer, M. 1888 A, 1541, 1551, 1567 (Galliformes).
1902 B, 672, 677 (Galliformes).
Gadow, H. 1892 A, 243 (Galliformes).
1893 A, 164.
1910 B, 977.
Garrod, A. H. 1873 C, 33, 38.
Gaupp, E. 1913 A, 13, fig. 5 (Gallus).
Gegenbaur, C. 1863 A, 452 ("hühnchen").
1871 A, 165 (Alectoromorphæ).
Geoffroy St. Hilaire, E. F. 1807 E, 353 ("gallinacées").
Gervais, P. 1856 A, 11 ("gallinacés").
Heilmann, G. 1926 A, 205 ("gallinaceous birds")
Hill, C. 1899 A, 362, figs. 11-22 ("chick").

Hill, C. 1900 A, 421, pls. xxix, xxx.
Hoernes, R. 1886 A, 644 (Rasores).
Huxley, T. H. 1859 D, 394, 450, fig. 3 ("chick").
1867 C, 248, 255.
1868 C, 300.
Illiger, C. 1811 A, 257 (Gallinacei).
Kessler, K. T. 1841 A, 635.
Knopfli, W. 1917 A, 51 (Gallus).
Knowlton, F. H. 1909 B, 263 (Galliformes).
Köstlin, O. 1844 A ("gallinaceen").
Kulczycki, W. 1901 A, 577 (Gallus).
Lambrecht, K. 1914 A, 66, 73.
Lebedinsky, N. G. 1913 A (Galliformes).
1917 A, 318, 324, figs. 3, 4 (Gallus).
1918 A, 38 (Galliformes).
Leunis and Ludwig 1883 A, 441 (Gallinacei).
L'Herminier, F. 1836 A, 111 ("gallinacés").
Linnæus, C. 1758 A, 82, 85.
Lippincott, W. A. 1920 A, 536, pl. i ("chicks").
Lühder, W. 1871 A, 324 (Gallinacei).
Lull, R. S. 1917 B, 337 (Galliformes).
Lydekker, R. 1879 A, 4, 26, pl. ii (Alectoromorphæ).
1891 A, 131.
Magnus, H. 1871 A ("hühner").
Marinelli, W. 1928 A, 155.
Meckel, J. F. 1825 A ("hühnervögel").
Miller, W. D. 1924 A, 2 ("gallinaceous birds").
Newton, A. 1885 A, 46 (Gallinæ).
Newton and Gadow 1896 A, 1068.
Owen, R. 1866 B, 10, 27, 32 (Gallinacei).
Parker, W. K. 1875 A, 699, 712, 723 (Alectoromorphæ).
1875 D, 99, pl. i ("fowl").
1888 D, 466 ("chick").
Pycraft, W. P. 1910 A, 50 (Galliformes).
Reichert, C. 1837 A, 121 ("hühner").
Ridgway, R. 1887 A, 184.
Sclater, P. L. 1858 A.
Seebohm, H. 1888 A, 418, 422, 424.
Sharpe, R. B. 1891 A, 68.
Shufeldt, R. W. 1894 A, 23 (Galliformes).
1904 B, 852 (Galliformes).
1909 A, 374.
1915 C.
Steiner, H. 1916 A, 493 (Rasores).
1918 A, 356, 441 (Galliformes).
Strecker, C. 1887 A, 309 ("hühner").
Tonkoff, S. 1900 A, 296 ("hühner").
Vialleton, L. 1916 A, 6.
Wagner, R. 1843 A, 79.
Wallace, A. R. 1876 A, I, 494; II, 337, 340, 344.
Weitzel, A. 1865 A, 333, 345 ("hühnervögel").
Wetmore and Miller 1926 A, 342 (Galliformes).
Wray, R. S. 1887 A, 348.
Zittel and Lucas 1902 A, 276.
Zittel and Schlosser 1911 A, 324.
1923 A, 400.

Superfamily GALLOIDÆ, new name.

Hay, O. P. 1902 A, 533 (Alectoropodes).
Adolphi, H. 1922 A, 120 (Galli).
A. O. U. 1910 A, 134 (Phasiani).
Duméril, A. M. C. 1806 A, 54 (Alectrides).
Elliot, D. G. 1885 A, 197 (Gallini).
Evans, A. H. 1899 A, 190 (Galli).
Fürbringer, M. 1902 B, 677 (Alectornithes).
Gadow, H. 1892 A, 244 (Galli).
1893 A, 171 (Galli).
1910 B, 977 (Galli).
Hommes, J. H. 1924 A, 14, figs. 2, 4, 8-16 (Gallus).
Huxley, T. H. 1867 C, 275 (Alectropodes).
Illiger, C. 1811 A, 252 (Alectorides).
Jaekel, O. 1911 A, 175 (Galli).
Lubosch, W. 1923 A, 49, figs. 1-14 ("hündchen").
Merkel, F. 1809 A, tab. ii (Alectrides).
Newton and Gadow 1896 A, 1059 (Alectoromorphæ).
Prein, F. 1914 A, 643, pls. xxi-xxii; text-figs. 1-11 ("hühnchen").
Pycraft, W. P. 1910 A, 51 (Alectoropodes).
Rafinesque, C. S. 1815 A, 69 (Alectria).
Ridgway, R. 1887 A, 184 (Phasiani).
Sharpe, R. B. 1891 A, 68 (Phasiani).
Steiner, H. 1918 A, 357 (Galli).
Wetmore and Miller 1926 A, 342 (Galli, Phasianides).

CRACIDÆ Vigors.

Vigors, N. A. 1825 A, 480.
A. O. U. 1910 A, 146.
Elliot, D. G. 1885 A, 232.
Gadow, H. 1910 B, 977.
Knowlton, F. H. 1909 B, 271.
Ridgway, R. 1887 A, 184, 207.
Wetmore, A. 1923 A, 488, 489.

PENELOPINÆ Bonaparte.

Bonaparte, C. L. 1838 B, 118.
A. O. U. 1910 A, 146.
Elliot, D. G. 1885 A, 233.
Ridgway, R. 1887 A, 207 (Cracinæ).
Wetmore and Miller 1926 A, 342.

ORTALIS Merrem. Type *Phasianus motmot* Linnæus.

Merrem, B. 1786, Avium Rar. Icones et Descr., II, 40.
A. O. U. 1910 A, 146.
Knowlton, F. H. 1909 B, 275.
Ridgway, R. 1887 A, 208, pl. xli.
Wetmore, A. 1923 A, 486.

Ortalis phengites Wetmore.

Wetmore, A. 1923 A, 487, figs. 1, 2.
Matthew, W. D. 1924 C, 68.
Wetmore, A. 1928 A, 153.
Lower Pliocene (Upper Snake Creek); Nebraska.

Superfamily GALLINULOIDIDÆ Lucas.

Hay, O. P. 1902 A, 535.
Shufeldt, R. W. 1915 B, 633.
Wetmore, A. 1923 A, 488.

GALLINULOIDES Eastman. Type *G. wyomingensis* Eastman.

Hay, O. P. 1902 A, 535.
Eastman, Gregory, Matthew 1917 A, 119.
Fürbringer, M. 1902 B, 674.
Shufeldt, R. W. 1915 B, 633 (*Palæobonasa* proposed).
1915 D, 42.
Zittel and Schlosser 1911 A, 324.
1923 A, 400.

Gallinuloides wyomingensis Eastman.

Hay, O. P. 1902 A, 535.
Andreae, A. 1901 C, 474.
Lambrecht, K. 1916 C, 495 (Gallinuloides, Palæobonasa).
1921 A, 80 (Palæobonasa).
Shufeldt, R. W. 1915 A, 633 (Palæobonasa).
1915 B, 619, figs. 1, 2.
1915 D, 40.
Wetmore, A. 1923 A, 488.
1928 A, 151.
Middle Eocene (Bridger); Wyoming.

TETRAONIDÆ Vigors.

Vigors, N. A. 1825 A, 480.
Hay, O. P. 1902 A, 534.
Aeby, C. 1873 A, 701, pl. xii (Tetrao).
Allen, J. A. 1871 A.
Arldt, T. 1907 D, 685.
1912 A, 710 (Tetraonidæ); 754 (Tetraoninæ).
Bonaparte, C. L. 1838 B, 118 (Tetraonidæ, Tetraoninæ).
Carus, V. 1875 A, 321.
Chandler, A. C. 1916 C, 269.
Coues, E. 1884 A, 577.
Elliot, D. G. 1885 A, 198.
Fürbringer, M. 1888 A.
1902 B, 674.
Gadow, H. 1893 A, 172.
Garbowski, T. 1895 A, 449 (Tetrao).
Gegenbaur, C. 1871 A, 166 (Tetrao).
Hesse, H. 1907 A, 217.
Huxley, T. H. 1868 C, 301 ("grouse type").
Knowlton, F. H. 1909 B, 280 (Tetraoninæ).
Lebedinsky, N. G. 1913 A.
Leunis and Ludwig 1883 A, 443.
Lobley, J. L. 1908 A, 201, 206.
Lühder, W. 1871 A, 330.
Lydekker, R. 1891 A, 132 (Tetraonidæ).
Magnus, H. 1871 A, 76.
Newton and Gadow 1896 A, 391.
Reichenow, A. 1913 A, 318.
Ridgway, R. 1887 A, 184 (Tetraonidæ); 185 (Tetraoninæ).
Shufeldt, R. W. 1904 B, 852.
1909 A, 380 (Tetraonidæ, Tetraoninæ).
1915 B, 632.
Steiner, H. 1918 A, 357.
Taschenberg, O. 1899 A, 4329.
Wallace, A. R. 1876 A, II, 338.
1894 A, 442.
Weitzel, A. 1865 A, 334 (Tetrao).

DENDRAGAPUS Elliot. Type *Tetrao obscurus* Say.

Elliot, D. G. 1864, Proc. Acad. Nat. Sci., Phila., 23.
A. O. U. 1910 A, 137.
Knowlton, F. H. 1909 B, 286.
Miller, L. H. 1912 A, 69.
Ridgway, R. 1887 A, 186, 194, pl. lvii.

Dendragapus obscurus (Say).

Say, T. 1823, Long's Exped., II, 14 (Tetrao).
Knowlton, F. H. 1909 B, 286.
Miller, L. H. 1911 C, 396, 400.
1912 A, 71, 84, 113.
Recent; western United States: Pleistocene (Caves); California.
The remains found in the caves of northern California belong probably to *D. sierræ*.

Dendragapus sp. indet.

Miller, L. H. 1911 C, 397. Pleistocene; California.

BONASA Stephens. Type *Tetrao umbellus* Linnæus.

Stephens, J. F. 1819, Gen. Zool., XI, 298.
Chandler, A. C. 1916 C, 266.
Coues, E. 1884 A, 584.
Knowlton, F. H. 1909 B, 289.
Leunis and Ludwig 1883 A, 445.
Newton and Gadow 1896 A, 394, 696.
Ridgway, R. 1887 A, 186, 197, pl. lviii.

Bonasa umbellus (Linnæus).

Linnæus, C. 1766, Syst. Nat., ed. 12, I, 275 (Tetrao).
Coues, E. 1884 A, 585, fig. 402.
Knowlton, F. H. 1909 B, 289.
Miller, L. H. 1911 C, 397, 400.
1912 A, 71, 113.
Peterson, O. A. 1926 A, 254.
Ridgway, R. 1887 A, 197.
Shufeldt, R. W. 1913 C, 299, pl. lv, figs. 19, 20; pl. lvi (This species?).
Wetmore, A. 1926, in Peterson, O. A. 1926 A, 254.
1927 B, 561.
Recent; Canada to Alaska, south to California, Colorado, Kansas, Tennessee: Pleistocene (Caves); California, Arkansas, Pennsylvania, Maryland.

TYMPANUCHUS Gloger. Type *Tetrao cupido* Linnæus.

Gloger, C. W. L. 1842, Hand- und Hilfsbuch, 396.
Hay, O. P. 1902 A, 534.
Foote, J. S. 1916 A, 61, pl. v.
1921 A, 8, pl. ii, fig. 14.
Fürbringer, M. 1888 A (Cupidonia).
Newton and Gadow 1896 A, 1086.
Ridgway, R. 1887 A, 185, 202, pl. lix.
Shufeldt, R. W. 1909 A, 381.

Tympanuchus lulli Shufeldt.

Shufeldt, R. W. 1915 D, 69, pl. xii, fig. 20.
Lambrecht, K. 1921 A, 79.
Pleistocene; New Jersey.

Tympanuchus pallidicinctus Ridgway.

Ridgway, R. 1873, Bull. Essex Inst., v, 199 (Cupidonia cupido pallidicinctus).
Hay, O. P. 1902 A, 534.
A. O. U. 1910 A, 144.
Hay, O. P. 1927 D, 244.
Miller, L. H. 1912 A, 81, 113.
Ridgway, R. 1887 A, 203.
Shufeldt, R. W. 1909 A, 201.
1913 B, 155.
Recent; Great Plains: Pleistocene (Fossil Lake); Oregon.

PEDIŒCETES Baird. Type *Tetrao phasianellus* Linnæus.

Baird, S. F. 1858, Rep. Expl. and Surv. R. R. Pacif., IX, xxi, xliv, 619, 625.
Hay, O. P. 1902 A, 534 (Pediocætes).
Allen, J. A. 1893 B, 109, 130 (Pediocætes).
A. O. U. 1910 A, 144.
Knowlton, F. H. 1909 B, 289 (Pediocœtes).
Ridgway, R. 1887 A, 185, 203 (Pediocætes).
Shufeldt, R. W. 1909 A, 378.

Pediœcetes lucasi Shufeldt.

Hay, O. P. 1902 A, 534 (Pediocætes lucasii).
Lambrecht, K. 1921 A, 79 (Pedioecætes).
Miller, L. H. 1912 A, 81, 113 (Pediocætes).
Shufeldt, R. W. 1913 B, 155 (Pediocætes).
Pleistocene (Fossil Lake); Oregon.

Pediœcetes nanus Shufeldt.

Hay, O. P. 1902 A, 534 (Pediocætes).
1927 D, 244.
Lambrecht, K. 1921 A, 79 (Pediocætes).
Miller, L. H. 1912 A, 81, 113 (Pediocetes).
Shufeldt, R. W. 1913 B, 155 (Pediocætes).
Pleistocene (Fossil Lake); Oregon.

Pediœcetes phasianellus (Linnæus).

Linnæus, C. 1758 A, 160 (Tetrao).
Hay, O. P. 1902 A, 534 (Pediocætes); 520 (Ichthyornis lentus).
A. O. U. 1910 A, 144.
Cockerell, T. D. A. 1923 C, 1 (P.? lentus).
Hay, O. P. 1927 D, 244.
Lambrecht, K. 1921 A, 49 (Ichthyornis lentus).
Palmer, T. S. 1919 A, 657 (Ichthyornis lentus).
Shufeldt, R. W. 1909 A, 202, 203, 229, pl. vi; text-fig. 29.
1915 D, 20, 25 (Graculavus lentus); pl. xv, fig. 127 (Ichthyornis lentus a syn.).
Recent; Alaska to northeastern California and Illinois: Pleistocene? Texas, Kansas.

Pediœcetes phasianellus columbianus (Ord).

Ord, G. 1815, in Guthrie's Geog., 2d Amer. ed., 317 (Phasianus columbianus).
A. O. U. 1910 A, 144.
Miller, L. H. 1912 A, 81, 113 (Pediocetes).
Shufeldt, R. W. 1913 B, 175, pl. xxxix, figs. 472, 473.
Recent; British Columbia to California and Colorado: Pleistocene (Fossil Lake); Oregon.

CENTROCERCUS Swainson. Type *Tetrao urophasianus* Bonaparte.

Swainson, W. 1831 (1832), Fauna Bor. Amer., II, 358, 496.
Allen, J. A. 1893 B, 109.
A. O. U. 1910 A, 145.
Knowlton, F. H. 1909 B, 289.
Ridgway, R. 1887 A, 185, 204.

Centrocercus urophasianus (Bonaparte).

Banaparte, C. L. 1827, Zool. Journ., III, 213.
A. O. U. 1910 A, 145.
Foote, J. S. 1916 A, 66, pl. v.
Shufeldt, R. W. 1913 A, 39.
1913 B, 125, 139, pl. ix, figs. 1, 4, 6, 7, 9, 11-13; pl. xli.
1913 F, 307.
Recent; British Columbia to Nebraska and New Mexico: Pleistocene (Fossil Lake); Oregon.

PALÆOTETRIX Shufeldt. Type *P. gillii* Shufeldt.

Hay, O. P. 1902 A, 534.
Fürbringer, M. 1902 B, 674.

Palæotetrix gillii Shufeldt.

Hay, O. P. 1902 A, 534.
1927 D, 244.
Lambrecht, K. 1921 A, 79 (P. gilli).
Miller, L. H. 1912 A, 81, 113 (P. gilli).
Shufeldt, R. W. 1913 B, 155.
1913 C, 292.
Wetmore, A. 1928 A, 155.
Pleistocene (Fossil Lake); Oregon.

PERDICIDÆ.

Wetmore and Miller 1926 A, 342.

ODONTOPHORINÆ Gray.

Gray, G. R. 1846, Genera Birds, III, 512.
A. O. U. 1910 A, 134 (Odontophoridæ).
Blanchard, E. 1857 A, 99 ("perdrix").
Carus, V. 1875 A, 321.
Coues, E. 1884 A, 576, 588.
Elliot, D. G. 1885 A, 205.
Huxley, T. H. 1868 C, 302, 313.
Knowlton, F. H. 1909 B, 293.
Newton and Gadow 1896 A, 188, 756.
Reichenow, A. 1913 A, 314 (Odontophoridæ).
Wetmore and Miller 1926 A, 342.

COLINUS Goldfuss. Type *Tetrao virginianus* Linnæus.

Goldfuss, G. A. 1820, Handb. Zool. II, 220.
A. O. U. 1910 A, 134.
Coues, E. 1884 A, 589 (Ortyx).
Knowlton, F. H. 1909 B, 226.
Reichenow, A. 1913 A, 315.
Ridgway, R. 1887 A, 185, 186, pl. lvi.

Colinus eatoni Shufeldt.

Shufeldt, R. W. 1915 D, 70, pl. xiii, fig. 103.
Lambrecht, K. 1921 A, 79.
Formation unrecorded; Kansas.

Colinus virginianus (Linnæus).

Linnæus, C. 1758 A, 161 (Tetrao).
A. O. U. 1910 A, 134.
Simpson, G. G. 1928 H, 3.
Recent; eastern North America from South Dakota to Maine, south to Gulf Coast: Pleistocene; Florida.

Colinus sp. indet.

Gidley, J. W. 1922 B, 120, pl. xxxv, fig. 11 (This genus?). Pliocene? (San Pedro Valley); Arizona.
Hay, O. P. 1927 D, 136. Pleistocene; Arizona.
Wetmore, A. 1924 A, 10. Pliocene? (San Pedro Valley); Arizona.

OREORTYX Baird. Type *Ortyx picta* Douglas.

Baird, S. F. 1854 Rep. Expl. and Surv. R. R. Pacific, IX, 642.
A. O. U. 1910 A, 135.
Coues, E. 1884 A, 591 (Orortyx).
Elliot, D. G. 1885 A, 206.
Heilprin, A. 1887 A, 66.
Knowlton, F. H. 1909 B, 295.
Ridgway, R. 1887 A, 185, 190, pl. lvi.

Oreortyx picta (Douglas).

Douglas, D. 1829, Trans. Linn. Soc. Lond., XVI, pt. i, 143 (Ortyx).
A. O. U. 1910 A, 135.
Coues, E. 1884 A, 591 (Orortyx).
Hay, O. P. 1927 D, 216, 223.
Knowlton, F. H. 1909 B, 295.
Miller, L. H. 1911 C, 397, 400.
1912 A, 71, 73, 75, 84, 113.
Recent; Western Oregon, California, and northern Lower California: Pleistocene (Caves); California.

LOPHORTYX Bonaparte. Type *Tetrao californicus* Shaw.

Bonaparte, C. L. 1838, Geog. and Comp. List., 42.
A. O. U. 1910 A, 136.
Chandler, A. C. 1916 C, 266.
Coues, E. 1884 A, 591.
Elliot, D. G. 1885 A, 205.
Fürbringer, M. 1888 A, 161.
Knowlton, F. H. 1909 B, 295.
Miller, L. H. 1914 A, 38.
1925 A, 310, 321.
Newton and Gadow 1896 A, 756, 939.
Owen, R. 1866 B, 27.

Lophortyx californica (Shaw).

Shaw, G. 1798, Nat. Misc., IX, 345 (Tetrao).
Coues, E. 1884 A, 592, fig. 412.
Elliot, D. G. 1885 A, 205, fig. 96 (L. californicus).
Eyton, T. C. 1867 A, pl. xxii, fig. 1 (L. californicus).
Fürbringer, M. 1888 A, pl. vi.
Hay, O. P. 1927 D, 308.
Knowlton, F. H. 1909 B, 295, fig. 98.
Miller, L. H. 1911 C, 397, 400.
1912 A, 75, 84, 113.
1914 A, 36.
1922 A, 123.
1925 B, 79 (This species?).
1927 A, 156.
Osborn, H. F. 1925 D, 542.
Recent: Oregon to southern Lower California: Pleistocene; California.

Lophortyx sp. indet.

Miller, L. H. 1912 A, 112. Pleistocene (La Brea); California.

PHASIANIDÆ Vigors.

Vigors, N. A. 1825 A, 480.
Hay, O. P. 1902 A, 534.
A. O. U. 1910 A, 387.
Arldt, T. 1907 D, 673.
1912 A, 710.
Blanchard, E. 1857 A, 97 ("faisans").

Bonaparte, C. L. 1831 A, 33.
1832 A, 307.
Brauer, A. 1914 A, 283.
Carus, V. 1875 A, 323.
Chandler, A. C. 1916 C, 341.
Dabbene, R. 1910 A, 52.
Eimer, G. H. T. 1901 A, 229.
Evans, A. H. 1899 A, 198 (Phasianidæ); 198, 206 (Phasianinæ).
Fürbringer, M. 1902 B, 674 (Gallidæ).
Gadow, H. 1893 A, 172 (Phasianinæ).
Heilprin, A. 1887 A, 95, 100.
Hesse, H. 1907 A, 216.
Huxley, T. H. 1867 A, 432, 443.
1867 C, 251, 276.
1868 C, 299.
Knowlton, F. H. 1909 B, 276.
Lambrecht, K. 1921 A, 78 (Gallidæ).
Lebedinsky, N. G. 1913 A, 693.
Leunis and Ludwig 1883 A, 447.
Lobley, J. L. 1908 A, 201, 206.
Lühder, W. 1871 A, 330.
Lydekker, R. 1891 A, 135.
Magnus, H. 1871 A, 61.
Newton and Gadow 1896 A, 701.
Reichenow, A. 1913 A, 283.
Reynolds, S. H. 1897 A, 301, fig. 55 (Gallus).
Ridgway, R. 1887 A, 184, 205.
Seebohm, H. 1888 A, 424.
Shufeldt, R. W. 1904 B, 852.
1909 A, 378.
Steiner, H. 1918 A, 339 (Tetraonidæ); 357, 492 (Gallidæ).
Wallace, A. R. 1876 A, II, 339.
1894 A, 442.
Wetmore, A. 1923 A, 489.
Wetmore and Miller 1926 A, 342.

PHASIANINÆ Bonaparte.

Bonaparte, C. L. 1838 B, 118.
Carus, V. 1875 A, 323.
Fürbringer, M. 1888 A, 1255.
Knowlton, F. H. 1909 B, 304.
Reichenow, A. 1913 A, 297.
Selenka, E. 1869 A, 58.

PHASIANUS Linnæus. Type *P. colchicus* Linnæus.

Linnæus, C. 1858 A, 158.
Adolphi, H. 1922 A, 131.
Bittner, F. 1912 A, 2.
Bronn, H. G. 1849 A, 698.
Cuvier, G. 1805 A.
Eyton, T. C. 1867 A, 167, pl. iii H.
Foote, J. S. 1916 A, 68, pl. vi.
Gegenbaur, C. 1871 A, 167.
Giebel, C. G. 1855 B, 36.
Knowlton, F. H. 1909 B, 310.
Köstlin, O. 1844 A (Fasianus).
Lambrecht, K. 1914 A, 66.
Mackie, S. J. 1863 C, 107.
Magnus, H. 1871 A, 49.
Miller, W. DeW. 1924 A, 5, fig. 1.
Ridgway, R. 1887 A, 205.
Weitzel, A. 1865 A, 333.

Phasianus alfhildæ Shufeldt.

Shufeldt, R. W. 1915 D, 71, pl. xii, figs. 79, 81, 85, 86.
Lambrecht, K. 1921 A, 85.
Middle Eocene (Bridger?); Wyoming.

Phasianus americanus Shufeldt.

Shufeldt, R. W. 1915 D, 58, pl. xii, figs. 83, 84.
Lambrecht, K. 1921 A, 84.
Upper Oligocene (Middle John Day); Oregon.

Phasianus mioceanus Shufeldt.

Shufeldt, R. W. 1915 D, 60, pl. xiii, figs. 94-96, 98.
Lambrecht, K. 1921 A, 84 (P. miocænus).
Miocene; Nebraska.

PALÆOPHASIANUS Shufeldt. Type *P. meleagroides* Shufeldt.

Shufeldt, R. W. 1913 C, 291.
Zittel and Schlosser 1923 A, 400.

Palæophasianus meleagroides Shufeldt.

Shufeldt, R. W. 1913 C, 291, pl. lviii, figs. 81-84, 86-88.
Lambrecht, K. 1921 A, 84.
Shufeldt, R. W. 1915 D, 50, 76, pl. ii, fig. 20.
Lower and Middle Eocene (Wasatch, Bridger); Wyoming.

MELEAGRIDÆ.

Hay, O. P. 1902 A, 534 (Phasianidæ).
A. O. U. 1910 A, 145.
Arldt, T. 1912 A, 754.
Blanchard, E. 1857 A, 97 ("dindons").
Chandler, A. C. 1916 C, 340.
Elliot, D. G. 1885 A, 222 (Meleagrinæ).
Evans, A. H. 1899 A, 198, 206.
Fürbringer, M. 1888 A, 1253 (Meleagrinæ).
Gadow, H. 1893 A, 172.
Gray, G. R. 1840 A, 60 (Meleagrinæ).
Hay, O. P. 1923 A, 312.
Howard, H. 1927 A, 1, 27.
Huxley, T. H. 1868 C, 299, 314.
Knowlton, F. H. 1909 B, 276.
Ridgway, R. 1887 A, 205.
Shufeldt, R. W. 1904 B, 852.
1913 H, 97.
1914 B, 3.
Wallace, A. R. 1876 A, II, 340.
Wetmore, A. 1923 A, 489.
Wetmore and Miller 1926 A, 342.

AGRIOCHARIS Chapman. Type *A. ocellata* (Temminck).

Chapman, F. M. 1896, Bull. Amer. Mus. Nat. Hist., VIII, 288.
Abel, O. 1926 B, 238.
Frost, F. H. 1927 A, 57.
Howard, H. 1927 A, 1-30, pls. i-xiii.
Lambrecht, K. 1914 A, 66.
Miller, L. H. 1921 C, 130.
Shufeldt, R. W. 1914 B, 1-48, pls. i-vi, ix-xiv.
Wetmore, A. 1924 A, 2, 8, 9.

Agriocharis sp. indet.

Wetmore, A. 1924 A, 2, 8, fig. 5. Pliocene? (San Pedro Valley); Arizona.

PARAPAVO Miller. Type *Pavo californicus* Miller.

Miller, L. H. 1916 A, 96.
The following citations, unless otherwise indicated, concern the genus *Pavo*.
Arldt, T. 1911 A, 214 ("pfau").
Beddard, F. E. 1898 A, 544.
Blanchard, E. 1857 A, 96 ("paons").
Dabbene, R. 1910 A, 88, fig. 58.
Eimer, G. H. T. 1901 A, 239.
Evans, A. H. 1899 A, 206.
Foote, J. S. 1916 A, 64, pl. v.
Howard, H. 1927 A, 1-30.
Kessler, K. T. 1841 A, 638.
Lambrecht, K. 1916 C, 498.
Lydekker, R. 1910 F, 667 (Pavo).
Meckel, J. F. 1825 A ("pfau").
Merriam, J. C. 1909 C, 12 ("peacock").
1915 G, 98 (Pavo).
Miller, L. H. 1912 A, 110.
1921 B, 263 (Parapavo).
1925 B, 66.
Owen, R. 1866 A, 27, 74, 81.
Selenka, E. 1869 A, pl. xiii, fig. 4 (Pavo).
Shufeldt, R. W. 1909 A, 172.
Wagner, R. 1843 A ("pfau").
Wetmore, A. 1924 A, 9.
Williston, S. W. 1910 G, 596 ("peacock").
Zittel and Schlosser 1923 A, 400 (Parapavo).

Parapavo californicus Miller, L. H.

Miller, L. H. 1909 A, 285, pl. xxv (Pavo).
Abel, O. 1912 F, 22 (Pavo).
1926 B, 238.
A. O. U. 1910 A, 388 (Pavo).
Frost, F. H. 1927 A, 57.
Gilbert, J. Z. 1910 B, 24 ("peacock").
Hay, O. P. 1927 D, 186.
Howard, H. 1927 A, 1-30, pls. i-xiii.
Lambrecht, K. 1921 A, 85.
Merriam, J. C. 1914 B, 7 ("peacock").
Miller, L. H. 1910 C, 11 (Pavo).
1912 A, 78, 97, 113 (Pavo).
1916 A, 89, 96, fig. 1.
1916 E, 171 (Pavo).
1921 C, 130.
1922 A, 123 ("Parapavo").
1923 A, 352 ("peacock").
1925 A, 310, 321 ("Parapavo").
1925 B, 80, pl. vi; text-figs. 6, 7.
1927 A, 156.
Osborn, H. F. 1910 B, 473 (Pavo).
1925 D, 542.
Swarth, H. S. 1915 A, 30 (Pavo).
Wetmore, A. 1928 A, 157.
Wyman, L. E. 1922 A, 31 (Pavo).
Pleistocene (La Brea); California.

MELEAGRIS Linnæus. Type *M. gallopavo* Linnæus.

Hay, O. P. 1902 A, 534.
Abel, O. 1912 F, 335.
Aeby, C. 1873 A, 702.
Allen, J. A. 1893 B, 99, 109.
Beddard, F. E. 1898 A, 542.
Bignon, F. 1889 A.
Carus and Engelmann 1861 A, 1767.
Chandler, A. C. 1916 C, 341.
Cuvier, G. 1805 A.
Eaton, G. F. 1910 F, 20, pl. ix, figs. 3, 4.
Eimer, G. H. T. 1901 A, 239.
Engelmann, O. 1910 A, 487.
Evans, A. H. 1899 A, 206.
Foote, J. S. 1921 A, 6, pl. i, fig. 9.
Fürbringer, M. 1888 A, pls. ii-iv, vi.
1902 B, 674.
Gegenbaur, C. 1871 A, 166.
Giebel, C. G. 1855 B, 35 ("truthahn").
Harting, P. 1866 A, 24.
Heilmann, G. 1913 B, 78, fig. 105.
Heilprin, A. 1887 A, 66.
Howard, H. 1927 A, 1-30.
Kessler, K. T. 1841 A, 638.
Knowlton, F. H. 1909 B, 278.
Leunis and Ludwig 1883 A, 453.
Lobley, J. L. 1908 A, 197, 214.
Meckel, J. F. 1825 A ("trathahn").
Miller, L. H. 1912 A, 110.
1916 A, 89, 95.
1925 B, 67.
Newton and Gadow 1896 A, 1074.
Norsa, E. 1895 A, 234.
Owen, R. 1866 B, 27.
1868 A, 892.
Prein, F. 1914 A, 678.
Reichenow, A. 1913 A, 304.
Ridgway, R. 1887 A, 205, 206, pl. lxi.
Scharff, R. F. 1911 A, 159.
Selenka, E. 1869 A, 62.
Shufeldt, R. W. 1887 A, 208.
1909 A, 377.
1913 H, 94.
1914 B, 2.
Sippel, W. 1907 A, 505, fig. 7.
Taschenberg, O. 1899 A, 4145.
Wallace, A. R. 1876 A, I, 163.
Weitzel, A. 1865 A, 334.
Wetmore, A. 1924 A, 9.

Meleagris antiqua Marsh.

Hay, O. P. 1902 A, 534 (M. antiquus).
A. O. U. 1910 A, 388.
Lambrecht, K. 1921 A, 78.
Miller, L. H. 1916 A, 95.

Shufeldt, R. W. 1913 A, 30, pl. iii, figs. 1, 2.
1913 H, 94, figs. 1, 2.
1915 D, 66.
Oligocene; (White River); Oregon.

Meleagris celer Marsh.

Hay, O. P. 1902 A, 534.
A. O. U. 1910 A, 388.
Lambrecht, K. 1921 A, 79.
Miller, L. H. 1916 A, 95.
Shufeldt, R. W. 1913 A, 30, pl. iii, figs. 3-5.
1913 H, 94, figs. 3-5.
1915 D, 66.
Pleistocene; New Jersey.

Meleagris gallopavo silvestris Vieillot.

Vieillot, L. J. P. 1817, Nouv. Dict. d'Hist. Nat., IX, 447 (M. silvestris).
A. O. U. 1910 A, 145.
Brown, B. 1908 A, 206 (M. gallopavo?).
Coues, E. 1884 A, 576 (M. gallopavo).
Eyton, T. C. 1867 A, 171 (M. gallopavo).
Foote, J. S. 1916 A, 68, pl. vi.
Frost, F. H. 1927 A, 57 (M. gallopavo).
Hay, O. P. 1923 A, 310, 311.
1924 D, 252 (This species?).
Howard, H. 1927 A, 1-30, pls. i-xiii (M. gallopavo).
Huxley, T. H. 1868 C, 300, fig. 5.
Knowlton, F. H. 1909 B, 278.
Leidy, J. 1889 H, 19 (M. gallopavo).
McIlhenney, E. A. 1913 A, 1-9, 146, 209, with figs. ("wild turkey").
Matthew, W. D. 1925 A, 97.
Ridgway, R. 1887 A, 207 (M. gallopavo).
Shufeldt, R. W. 1887 A, 208, figs. 1-7 (M. gallopavo).
1909 A, 210, 213, 215, figs. 31-36.
1913 A, 33.
1913 C, 299, pl. lviii, figs. 79, 80, 85; pl. lix.
1914 B, 25, pls. i-ix.
Shufeldt, R. W. 1918 A, 358 (M. gallopavo).
Recent; Great Plains to southern Maine, South Dakota to the Gulf of Mexico: Pleistocene; Florida, Arkansas.

Meleagris richmondi Shufeldt.

Shufeldt, R. W. 1915 D, 67, pl. ii, fig. 19.
Hay, O. P. 1927 D, 309.
Lambrecht, K. 1921 A, 78.
Pleistocene; California.

Meleagris superba Cope.

Hay, O. P. 1902 A, 534 (M. superbus).
A. O. U. 1910 A, 388.
Baker, F. C. 1920 A, 208, 213, 394 (M. superbus).
Cope, E. D. 1873 FF, 8.
Hay, O. P. 1923 A, 312 (M. superbus, M. altus).
Lambrecht, K. 1921 A, 79.
Miller, L. H. 1916 A, 95.
Peterson, O. A. 1926 A, 254, pl. xvii, figs. 1-10.
Shufeldt, R. W. 1913 A, 30.
1913 H, 94.
1915 D, 66, pl. x, figs. 71-73; pl. xi, figs. 74-77.
Pleistocene; New Jersey.

Meleagris sp. indet.

Hay, O. P. 1902 A, 534.
1923 A, 321. Pleistocene (Sangamon); Pennsylvania.
1927 D, 186, 223. Pleistocene; California.
Lambrecht, K. 1921 A, 79.
Mercer, H. C. 1894 A, 98 ("wild turkey"). Pleistocene; Pennsylvania.
Miller, L. H. 1911 C, 396, 400. Potter Creek Cave; California.
Osborn, H. F. 1925 D, 542. Pleistocene (La Brea); California.

Suborder GRUIFORMES.

Hay, O. P. 1902 A, 527 (Grallæ, in part).
Abel, O. 1919 A, 705.
Adolphi, H. 1922 A, 136.
Arldt, T. 1907 D, 656.
Blainville, H. M. D. 1821 A, 208 (Grallæ, in part).
Bonaparte, C. L. 1840 A, 28 (Grallæ, in part).
Burckhardt, R. 1902 A, 513.
Carus, V. 1875 A, 331 (Grallæ, in part).
Cope, E. D. 1891 N, 58, 60 (Grallæ, in part).
Coues, E. 1884 A, 666, 669.
Cuvier, G. 1805 A (Grallæ, in part).
Dabbene, R. 1910 A, 477.
Duméril, A. M. C. 1806 A, 58 (Grallæ, in part).
Evans, A. H. 1899 A, 243.
Fürbringer, M. 1888 A (Geranomorphæ, Gruiformes).
1902 B, 656, 669.
Gadow, H. 1893 A, 178.
1910 B, 977.
Hoernes, R. 1886 A, 642 (Grallæ, in part).
Huxley, T. H. 1867 C, 273 (Geranomorphæ).
Joleaud, L. 1920 A, 496.
Knowlton, F. H. 1909 B, 321.
Lambrecht, K. 1914 A, 67, 73.
Leunis and Ludwig 1883 A, 458 (Grallæ, in part).
Linnæus, C. 1758 A, 139 (Grallæ, in part).
Lobley, J. L. 1908 A, 198 (Grallæ, in part).
Lühder, W. 1871 A, 324 (Grallatores).
Lull, R. S. 1917 B, 337.
Lydekker, R. 1879 A, 26 (Geranomorphæ).
Meckel, J. F. 1825 A ("grallen").
Newton and Gadow 1896 A, 1068 (Geranomorphæ).
Parker, W. K. 1875 A, 699 (Geranomorphæ).
Pycraft, W. P. 1910 A, 52, 448.
Seebohm, H. 1888 A, 416, 422, 427 (Grallæ, in part).
Selenka, E. 1869 A (Grallæ, in part).
Sharpe, R. B. 1891 A, 79.
Shufeldt, R. W. 1894 A, 22 (Grallæ, in part).
1909 A, 227; 252 (Grallæ, in part).
Steiner, H. 1916 A, 499.
1918 A, 347, 441, 490.
Wagner, R. 1843 A, 79 (Grallæ, in part).
Wallace, A. R. 1876 A, i, 494; ii, 351-362 (Grallæ, in part).

Wetmore, A. 1927 A, 11.
Wetmore and Miller 1926 A, 342 (Megalornithiformes).
Zittel and Lucas 1902 A, 273 (Grallæ, in part).
Zittel and Schlosser 1911 A, 322 (Grallæ, in part).

Superfamily GRUOIDÆ, new name.

Hay, O. P. 1902 A, 527 (Gruoidea).
Beddard, F. E. 1898 A, 366 (Grues).
Fürbringer, M. 1902 B, 638 (Grues).
Lydekker, R. 1891 A, 160 (Fulicalariæ, Alectorides).
Sharpe, R. B. 1891 A, 74 (Grues).
Shufeldt, R. W. 1894 A, 33 (Gruioidea).
1904 B, 851 (Gruoidea).

GRUIDÆ Vigors.

Vigors, N. A. 1825 A, 488.
Hay, O. P. 1902 A, 527.
Abel, O. 1926 B, 239 ("kraniche").
Adolphi, H. 1922 A, 143.
Arldt, T. 1907 D, 656.
1912 A, 710, 754.
Beddard, F. E. 1898 A, 366.
Blatschke, F. 1904 A, 150 ("kraniche").
Bonaparte, C. L. 1831 A, 24 (Gruinæ).
1832 A, 308 (Gruinæ).
Burckhardt, R. 1902 A, 513, 517.
Carus, V. 1875 A, 342.
Chandler, A. C. 1914 B, 141 (Grues).
1916 C.
Evans, A. H. 1899 A, 251.
Forbes, W. A. 1881 A, 4.
Fürbringer, M. 1902 B, 656, 669.
Gadow, H. 1893 A, 184.
Garrod, A. H. 1873 C, 37.
1873 D, 640.
1874 A, 117.
Hesse, H. 1907 A, 210.
Huxley, T. H. 1867 A, 430 ("cranes").
1867 C, 275 ("cranes").
1868 C, 314, 317.
Knowlton, F. H. 1909 B, 327.
Lambrecht, K. 1914 A, 67.
Lebedinsky, N. G. 1913 A.
Leunis and Ludwig 1883 A, 477.
Lobley, J. L. 1908 A, 202, 207.
Lühder, W. 1871 A, 336 (Grues).
Lydekker, R. 1891 A, 160.
Martin, W. 1835 A, 156 ("cranes").
Mitchell, P. C. 1915 A, 413 ("cranes").
Parker, W. K. 1869 A, 503 ("cranes").
1888 D, 467, 473.
Pycraft, W. P. 1902 A, 311 ("cranes").
1910 A, 52 ("cranes").
Reichenow, A. 1913 A, 227.
Ridgway, R. 1887 A, 134.
Seebohm, H. 1888 A, 419, 429.
Shufeldt, R. W. 1894 A, 22.
1904 B, 851.
1915 C.
Steiner, H. 1916 A, 499 (Gruinæ).
1918 A, 348, 441, 492.
Taschenberg, O. 1899 A, 4092.
Wallace, A. R. 1876 A, II, 356.
Wetmore, A. 1927 A, 11.

GRUINÆ Bonaparte.

Bonaparte, C. L. 1831 A, 34.
Knowlton, F. H. 1909 B, 328.
Wetmore and Miller 1926 A, 342 (Megalornithinæ).

GRUS Pallas. Type *Ardea grus* Linnæus.

Pallas, P. S. 1766, Misc. Zool., 66.
Hay, O. P. 1902 A, 527.
Adolphi, H. 1922 A, 143, fig. 46.
Allen, J. A. 1893 B, 99.
Arldt, T. 1907 D, 210, 213.
Beddard, F. E. 1898 A, 540.
Bignon, F. 1889 A, 300.
Bonsdorff, E. J. 1871 A, 311, pl. ii.
Chandler, A. C. 1916 C, 273, 350.
Cuvier, G. 1805 A.
Dabbene, R. 1910 A, 477.
Eimer, G. H. T. 1901 A, 232.
Evans, A. H. 1899 A, 254.
Fürbringer, M. 1888 A, pls. ii-iv, vi.
Garrod, A. H. 1873 C, 36.
1876 A, 275.
Gegenbaur, C. 1871 A, 179.
Giebel, C. G. 1855 B, 30 ("kranich").
Gray, G. R. 1841, List of genera of birds, 85 (Megalornis).
Harting, P. 1866 A, 24.
Heilprin, A. 1887 A, 332, 333 ("crane").
Hesse, H. 1907 A, 210, pl. vii, fig. 3.
Kessler, K. T. 1841 A, 650, 686.
Knowlton, F. H. 1909 B, 329.
Lühder, W. 1871 A, 325.
Magnan, A. 1922 A, 131, pl. i (Megalornis).
Magnus, H. 1871 A, 24.
Meckel, J. F. 1825 A.
Mitchell, P. C. 1915 A, 421 (Grus).
Newton and Gadow 1896 A, 1069.
Owen, R. 1866 B, figs. 99, 100 ("crane").
1868 A, 882.
Pallas, P. S. 1766, Misc. Zool., 527.
Peters, J. L. 1925 A, 120.
Reichenow, A. 1913 A, 228.
Ridgway, R. 1887 A, 134, pl. xxxix.
Shufeldt, R. W. 1895 A, 21, fig. 3.
1915 C, 740.
Sundevall, C. J. 1886 A, 401.
Virchow, H. 1918 A, 105, figs. 1-11.
Wagner, R. 1843 A ("kraniche").
Weitzel, A. 1865 A, 337.

Grus americanus (Linnæus).

Linnæus, C. 1758 A, 142 (Ardea).
A. O. U. 1910 A, 100.
Hay, O. P. 1927 D, 150, 186.

Le Conte, J. 1882 B, 9 (This species?).
Louderback, G. D. 1907 A, 212 ("crane"?).
Miller, L. H. 1921 C, 130.
1925 B, 77.
1928 A, 120.
Stejneger, L. 1885 A, 123, fig. 59.
Recent; North America: Pleistocene (Early); California.

Grus canadensis (Linnæus).

Linnæus, C. 1758 A, 141 (Ardea).
Chandler, A. C. 1916 C, 348, pl. xxvi, fig. 50.
Hay, O. P. 1927 D, 186 (M. canadensis, M. minor).
Knowlton, F. H. 1909 B, 332.
Lambrecht, K. 1921 A, 65 (G. minor).
Merriam, J. C. 1909 C, 12, fig. ("crane").
Miller, L. H. 1910 A, 448 (G. canadensis); 446, fig. 1 (G. minor).
1912 A, 78, 113 (G. canadensis, G. minor).
1925 B, 76 (Grus canadensis, G. minor).
1928 A, 120.
Osborn, H. F. 1925 D, 542.
Shufeldt, R. W. 1894 A, 31, fig. 3.
Wetmore, A. 1928 C, 1 (Megalornis).
Recent; North America: Pleistocene (La Brea, McKittrick); California.

Grus marshi Shufeldt.

Shufeldt, R. W. 1915 D, 41, pl. xv, figs. 144-147.
Lambrecht, K. 1921 A, 64.
Middle Eocene (Bridger); Wyoming.

Grus mexicanus (Müller).

Müller, P. L. S. Natursyst. Suppl., 1776, 110 (Ardea).
Hay, O. P. 1902 A, 527 (Grus haydeni).
Lambrecht, K. 1921 A, 64 (Grus haydeni).
Peters, J. L. 1925 A, 120-122 (M. canadensis pratensis).
Shufeldt, R. W. 1915 D, 41, 65, 76, 77, pl. ii, fig. 21; pl. viii, fig. 67 (Grus haydeni).
A. O. U. 1910 A, 100.
Wetmore, A. 1928 A, 154 ("sandhill crane").
Recent; southern part of United States: Pliocene (Upper Snake Creek); Nebraska.

Grus prentici (Loomis).

Loomis, F. B. 1906 B, 481 (Gallinuloides).
Lambrecht, K. 1921 A, 64.
Loomis, F. B. 1907 B, 356 (Gallinuloides).
Shufeldt, R. W. 1915 D, 42.
Lower Eocene (Wasatch); Wyoming.

Grus proavus Marsh.

Hay, O. P. 1902 A, 527.
Lambrecht, K. 1921 A, 65.
Miller, L. H. 1910 A, 448 (G. parvus).
Shufeldt, R. W. 1915 D, 5, 41, 65, 77.
Pleistocene; New Jersey.

Aletornis Marsh. Type *A. nobilis* Marsh.

Hay, O. P. 1902 A, 527.
Shufeldt, R. W. 1915 D, 28.
Zittel and Schlosser 1911 A, 322.
1923 A, 399.

Aletornis bellus Marsh.

Hay, O. P. 1902 A, 527.
Lambrecht, K. 1921 A, 51 (Tringa).
Shufeldt, R. W. 1915 D, 29, pl. vi, fig. 46 (Aletornis); 76 (Tringa?).
Middle Eocene (Bridger); Wyoming.

Aletornis gracilis Marsh.

Hay, O. P. 1902 A, 527.
Lambrecht, K. 1921 A, 53 (Philohela).
Shufeldt, R. W. 1915 D, 30, 76, pl. vi, fig. 45 (To Philohela?).
Middle Eocene (Bridger); Wyoming.

Aletornis nobilis Marsh.

Hay, O. P. 1902 A, 528.
Lambrecht, K. 1921 A, 64 (Grus).
Shufeldt, R. W. 1915 D, 30, 76, pl. ii, fig. 15; pl. vi, fig. 43 (To Grus).
Middle Eocene (Bridger); Wyoming.

Aletornis pernix Marsh.

Hay, O. P. 1902 A, 528.
Lambrecht, K. 1921 A, 63.
Shufeldt, R. W. 1915 D, 31, 77, pl. vi, fig. 47.
Middle Eocene (Bridger); Wyoming.

Aletornis venustus Marsh.

Hay, O. P. 1902 A, 528.
Lambrecht, K. 1921 A, 68 (Fulica).
Shufeldt, R. W. 1915 D, 31, 76, pl. vi, fig. 41 (To Fulica?).
Middle Eocene (Bridger); Wyoming.

ARAMIDÆ.

A. O. U. 1910 A, 101.
Coues, E. 1884 A, 667.
Fürbringer, M. 1888 A, 1187-1196; 1201-1203.
Garrod, A. H. 1876 A, 275, 3 figs. (Aramus).
Knowlton, F. H. 1909 B, 336 (Araminæ).
Ridgway, R. 1887 A, 134, 135.
Shufeldt, R. W. 1894 A, 23, 25, 26, 29, 33.
Stejneger, L. 1885 A, 127.
Wetmore, A. 1926 A, 1.

Aramornis Wetmore. Type *A. longurio* Wetmore.

Wetmore, A. 1926 A, 1.
1928 C, 5.

Aramornis longurio Wetmore.

Wetmore, A. 1926 A, 1, figs. 1-4.
1926 E, 526 ("limpkin").
1928 A, 153.
Middle Miocene (Sheep Creek); Nebraska.

Suborder RALLIFORMES.

Coues, E. 1884 A, 669.
Dabbene, R. 1910 A, 487.
Fürbringer, M. 1888 A, 1541, 1551, 1556.
1902 B, 664, 669.
Shufeldt, R. W. 1894 A, 25.
1904 B, 852.
1915 C, 731.

Superfamily RALLOIDÆ, new form.

Shufeldt, R. W. 1894 A, 33 (Rallioidea).
1904 B, 852 (Ralloidea).
Wetmore and Miller 1926 A, 342 (Rallides).

RALLIDÆ Vigors.

Vigors, N. A. 1825 A, 488.
Hay, O. P. 1902 A, 528.
Adolphi, H. 1922 A, 136.
Allen, J. A. 1871 A.
Arldt, T. 1907 D, 678.
1912 A, 686, 687, 710, 754.
Beddard, F. E. 1898 A, 323.
Bonaparte, C. L. 1831 A, 34.
1832 A, 309 (Macrodactyli, Rallidæ).
Brandt, J. F. 1840 A, 197.
Burckhardt, R. 1902 A, 513 (Ralli).
Carus, V. 1875 A, 339.
Chandler, A. C. 1916 C, 350, 391.
Cuvier, G. 1805 A ("rales").
Dabbene, R. 1910 A, 487.
Evans, A. H. 1899 A, 243.
Fürbringer, M. 1902 B, 665, 669.
Gadow, H. 1893 A, 182.
Garrod, A. H. 1873 C, 38.
1873 D, 640.
1874 A, 116, 121.
Gegenbaur, C. 1871 A, 186 ("ralliden").
Heilmann, G. 1915 A, 97.
Hesse, H. 1907 A, 210.
Hilzheimer, M. 1913 A, 517.
Hoernes, R. 1886 A, 643.
Huxley, T. H. 1867 A, 430 ("rails").
Huxley, T. H. 1867 C, 274 ("rails").
Knowlton, F. H. 1909 B, 321.
Lambrecht, K. 1914 A, 67.
Lebedinsky, N. G. 1913 A.
Leunis and Ludwig 1883 A, 473.
Lobley, J. L. 1908 A, 202, 207.
Lühder, W. 1871 A, 324.
Lydekker, R. 1891 A, 144.
Magnus, H. 1871 A.
Newton and Gadow 1896 A, 1080 (Rallus).
Owen, R. 1866 B, 26 ("rails").
Parker, W. K. 1869 A, 504 ("rails").
1890 A, 57.
Pycraft, W. P. 1900 C, 1019 ("rails").
1910 A, 52, 444 ("rails").
Reichenow, A. 1913 A, 201.
Ridgway, R. 1887 A, 134, 136.
Seebohm, H. 1888 A, 418, 429.
Shufeldt, R. W. 1894 A, 21.
1904 B, 852.
1915 C.
Steiner, H. 1918 A, 348, 440.
Taschenberg, O. 1899 A, 4264.
Wallace, A. R. 1876 A, II, 351.
Weitzel, A. 1865 A, 338 (Rallus).
Wetmore, A. 1927 A, 11.
Wetmore and Miller 1926 A, 342.

FULICINÆ.

A. O. U. 1910 A, 106.
Coues, E. 1884 A, 676.
Reichenow, A. 1913 A, 216.
Shufeldt, R. W. 1894 A, 25.
Wetmore and Miller 1926 A, 342.

FULICA Linnæus. Type *F. atra* Linnæus.

Linnæus, C. 1758 A, 152.
Hay, O. P. 1902 A, 528.
Adolphi, H. 1922 A, 141.
Allen, J. A. 1893 B, 99.
Beddard, F. E. 1898 A, 540.
Bittner, F. 1912 A, 5.
Brandt, J. F. 1840 A, 174, 197, 200, 202, pl. xi, figs. 1-7.
Bronn, H. G. 1848 A, 506.
Cuvier, G. 1805 A.
Dabbene, R. 1910 A, 476.
Diethelm, M. 1907 A, 41.
Eimer, G. H. T. 1901 A, 207.
Evans, A. H. 1899 A, 250.
Eyton, T. C. 1867 A, 201.
Fürbringer, M. 1888 A, pls. ii, vi, vii.
Gegenbaur, C. 1871 A, 186.
Heilmann, G. 1926 A, 97, fig. 79.
Hesse, H. 1907 A, 211, pl. x, fig. 14.
Hommes, J. H. 1924 A, 15.
Kessler, K. T. 1841 A, 657, 688.
Knopfli, W. 1917 A, 51.
Knowlton, F. H. 1909 B, 326.
Köstlin, O. 1844 A.
Lambrecht, K. 1914 A, 67, pl. viii.
Lebedinsky, N. G. 1917 A, 331, figs. 17, 18.
Leunis and Ludwig 1883 A, 475.
Lühder, W. 1871 A, 329.
Mackie, S. J. 1863 C, 109 (This genus?).
Magnus, H. 1871 A.
Meckel, J. F. 1825 A.
Newton and Gadow 1896 A, 1068.
Retterer, E. 1908 A, 487.
Ridgway, R. 1887 A, 136, 141, pl. xl.
Selenka, E. 1869 A, 40, 42.
Shufeldt, R. W. 1894 A, 29, 32.
1915 C, 739.
Taschenberg, O. 1899 A, 4063.
Voit, M. 1923 A, 69.
Wagner, R. 1843 A.
Weitzel, A. 1865 A, 339.

Fulica americana Gmelin.

Gmelin, J. F. 1789, Syst. Nat. I, II, 704.
Hay, O. P. 1902 A, 528.
1927 D, 244.
Knowlton, F. H. 1909 B, 326, fig. 107.
Miller, L. H. 1912 A, 81, 113.
Shufeldt, R. W. 1913 B, 175, pl. xxxix, fig. 480.
Recent; whole of North America: Pleistocene (Fossil Lake); Oregon.

Fulica minor Shufeldt.

Hay, O. P. 1902 A, 528.
1927 D, 244.
Lambrecht, K. 1921 A, 69.
Miller, L. H. 1912 A, 81, 113.
Shufeldt, R. W. 1913 B, 155.
Pleistocene (Fossil Lake); Oregon.

RALLINÆ Bonaparte.

Bonaparte, C. L. 1838 B, 119.
A. O. U. 1910 A, 101.
Coues, E. 1884 A, 670.
Fürbringer, M. 1888 A, 1235.
Reichenow, A. 1913 A, 202.
Sundevall, C. J. 1886 A, 404.
Wetmore and Miller 1926 A, 342.

RALLUS Linnæus. Type *R. aquaticus* Linnæus.

Linnæus, C. 1758, A, 153.
A. O. U. 1910 A, 101.
Brandt, J. F. 1840, 174, 197.
Coues, E. 1884 A, 671.
Fürbringer, M. 1888 A, pls. iv, vii.
Knowlton, F. H. 1909 B, 321.
Lydekker, R. 1891 A, 144.
Magnan, A. 1922 A, 171.
Reichenow, A. 1913 A, 212, fig. 114.
Ridgway, R. 1887 A, 136, pl. xl.
Shufeldt, R. W. 1894 A, 28, fig. 2.
Zittel, K. A. 1890 A, 846.

Rallus virginianus Linnæus.

Linnæus, C. 1766, Syst. Nat. ed. 12, I, 263.
A. O. U. 1910 A, 103.
Coues, E. 1884 A, 673.
Hay, O. P. 1927 D, 198.
Knowlton, F. H. 1909 B, 321.
Miller, L. H. 1925 A, 320.
Osborn, H. F. 1925 D, 542.
Recent; North America: Pleistocene (McKittrick); California.

CRECCOIDES Shufeldt. Type *C. osbornii* Shufeldt.

Hay, O. P. 1902 A, 528.

Creccoides osbornii Shufeldt.

Hay, O. P. 1902 A, 528.
Dumble, E. T. 1894 A, 559.
Gidley, J. W. 1903 C, 627.
Lambrecht, K. 1921 A, 67 (Crecoides).
Pliocene (Blanco); Texas.

TELMATORNIS Marsh. Type *T. priscus* Marsh.

Hay, O. P. 1902 A, 528.
Arldt, T. 1907 D, 86.
Fürbringer, M. 1888 A, 1141.
1902 B, 629.
Lambrecht, K. 1916 C, 493.
Shufeldt, R. W. 1915 D, 25.
Van den Broeck, E. 1900 A, 77.
Wetmore, A. 1928 A, 150.
Young, G. W. 1915 A, 250.
Zittel and Schlosser 1911 A, 323.
1923 A, 399.

Telmatornis affinis Marsh.

Hay, O. P. 1902 A, 528.
Lambrecht, K. 1921 A, 69.
Shufeldt, R. W. 1915 D, 27, 77, pl. vi, fig. 36.
Upper Cretaceous (Hornerstown?); New Jersey.

Telmatornis priscus Marsh.

Hay, O. P. 1902 A, 528.
Lambrecht, K. 1921 A, 69.
Shufeldt, R. W. 1915 D, 26, 77, pl. vi, fig. 37.
Upper Cretaceous; New Jersey.

Telmatornis rex Shufeldt.

Shufeldt, R. W. 1915 D, 27, 77, pl. xiii, fig. 101.
Lambrecht, K. 1921 A, 70.
Upper Cretaceous; New Jersey.

GALLINULINÆ Gray.

Gray, G. R. 1840, List of genera of birds, 72.
A. O. U. 1910 A, 105.
Coues, E. 1884 A, 675.
Fürbringer, M. 1888 A, 1235.
Knowlton, F. H. 1909 B, 323 ("gallinules").
Reichenow, A. 1913 A, 213.
Shufeldt, R. W. 1894 A, 25, 29.

GALLINULA Brisson. Type *G. gallinula* Brisson.

Brisson, T. P. 1760, Orn., VI, 2.
A. O. U. 1910 A, 105.
Fürbringer, M. 1888 A, pl. iv.
Knowlton, F. H. 1909 B, 323.
Reichenow, A. 1913 A, 214.
Ridgway, R. 1887 A, 136, 141, pl. xlii.
Shufeldt, R. W. 1894 A, 28.

Gallinula sp. indet.

Hay, O. P. 1927 D, 136. Pleistocene; Arizona.
Wetmore, A. 1924 A, 11. Pliocene? (San Pedro Valley); Arizona.

PALÆOCREX Wetmore. Type *P. fax* Wetmore.

Wetmore, A. 1927 A, 9.

Palæocrex fax Wetmore.

Wetmore, A. 1927 A, 9, figs. 15-18.
1928 A, 152.
Oligocene (Chadron); Colorado.

Suborder CHARADRIIFORMES Garrod.

Garrod, A. H. 1874 A, 117, 122.
Hay, O. P. 1902 A, 526 (Grallæ, in part); 523 (Cecomorphæ, in part).
Adolphi, H. 1922 A, 330.
Arldt, T. 1907 D, 645.
Beddard, F. E. 1898 A, 336, fig. 169 (Limicolæ).
Blainville, H. M. D. 1821 A, 208 (Grallæ, in part).
Bonaparte, C. L. 1840 A, 28 (Grallæ, in part).
Carus, V. 1875 A, 331 (Grallæ, in part).
Chandler, A. C. 1914 B, 141 (Limicolæ).
Cope, E. D. 1891 N, 60 (Grallæ, in part).
Cuvier, G. 1805 A (Grallæ, in part).
Dabbene, R. 1910 A, 472.
Duméril, A. M. C. 1806 A, 58 (Grallæ, in part).
Evans, A. H. 1899 A, 268.
Fürbringer, M. 1888 A (Charadriomorphæ, Charadriiformes, Limicolæ).
1902 B, 650 (Charadriornithes); 669 (Charadriiformes).
Gadow, H. 1893 A, 194.
1910 B, 977.
Gaupp, E. 1905 D, 1026 (Grallæ).
Hilzheimer, M. 1913 A, 517 (Charadriornithes).
Hoernes, R. 1886 A, 642 (Grallæ, in part).
Huxley, T. H. 1867 A, 457 (Charadriomorphæ).
1868 B, 361 (Charadriomorphæ).
Knopfli, W. 1917 A, 51 (Laro-Limicolæ).
Knowlton, F. H. 1909 B, 350.
Lambrecht, K. 1914 A, 68, 73.
Lebedinsky, N. G. 1913 A.
1918 A, 37 (Charadriformes).
1918 B, 142, 146.
Linnæus, C. 1758 A, 139 (Grallæ, in part).
Lobley, J. L. 1908 A, 198 (Grallæ, in part).
Lühder, W. 1871 A, 324 (Grallatores).
Lydekker, R. 1879 A, 26 (Charadriomorphæ).
1891 A, 168 (Limicolæ).
Marinelli, W. 1928 A, 155.
Meckel, J. F. 1825 A ("grallen").
Miller, W. D. 1924 A, 2 ("sandpipers").
Parker, W. K. 1875 A, 699, 713 (Charadriomorphæ).
Pycraft, W. P. 1910 A, 52, 53, 445.
Ridgway, R. 1887 A, 143 (Limicolæ).
1919 A, 1.
Seebohm, H. 1888 A, 416, 422, 427 (Grallæ, in part).
Selenka, E. 1869 A (Grallæ, in part).
Sharpe, R. B. 1891 A, 72.
Shufeldt, R. W. 1894 A, 22 (Grallæ, in part).
1903 A, 70.
1904 B, 851.
1909 A, 171, 227 (Charadriomorphæ); 252 (Grallæ, in part).
Steiner, H. 1918 A, 328.
1922 A, 343 (Laro-Limicolæ).
Stejneger, L. 1885 A, 85 (Pluviales).
Vialleton, L. 1916 A, 6.
Wagner, R. 1843 A, 79 (Grallæ, in part).
Wallace, A. R. 1876 A, I, 494; II, 351-362. (Grallæ, in part).
Wetmore and Miller 1926 A, 343.
Zittel, K. A. 1890 A, 855.
Zittel and Lucas 1902 A, 273 (Grallæ, in part).
Zittel and Schlosser 1911 A, 322 (Grallæ).
1923 A, 399 (Grallæ).

Superfamily CHARADRIOIDÆ, new name.

Hay, O. P. 1902 A, 526 (Scolopacoidea).
Adolphi, H. 1922 A, 330 (Limicolæ).
Beddard, F. E. 1898 A, 336, fig. 169 (Limicolæ).
Chandler, A. C. 1916 C (Limicolæ).
Clark, H. L. 1901 A, 377 (Scolopacoidea).
Evans, A. H. 1889 A, 268 (Limicolæ).
Fürbringer, M. 1902 B, 638 (Limicolæ).
Gadow, H. 1893 A, 195 (Limicolæ).
1910 B, 977 (Limicolæ).
Garrod, A. H. 1873 C, 37 (Limicolæ).
Gervais, P. 1856 A, 13 ("limicoles").
Gegenbaur, C. 1871 A, 184 ("scolopacinen").
Huxley, T. H. 1867 C, 273 (Charadriomorphæ).
Knowlton, F. H. 1909 B, 351 (Limicolæ).
Lambrecht, K. 1914 A, 68 (Limicolæ).
Pycraft, W. P. 1901 A, 349 (Charadrii).
Reichenow, A. 1913 A, 165 (Limicolæ).
Ridgway, R. 1919 A, 24 (Charadrii).
Sharpe, R. B. 1891 A, 73 (Charadrii).
Shufeldt, R. W. 1903 A, 15, 70 (Limicolæ).
1904 B, 851 (Limicolæ).
1909 A, 227 (Limicolæ).
1915 C, 733 (Limicolæ).
Steiner, H. 1918 A, 328, 441, 492 (Limicolæ).
Wetmore and Miller 1926 A, 343 (Charadrii, Charadriides).

CHARADRIIDÆ Bonaparte.

Bonaparte, C. L. 1831 A, 33 (Charadridæ).
Hay, O. P. 1902 A, 526.
Adolphi, H. 1922 A, 330 (Charadriinæ).
Allen, J. A. 1871 A (Charadridæ).
Altmann, F. 1925 A, 102, figs. 16-20 (Vanellus).
Arldt, T. 1907 D, 645.
1912 A, 686, 687, 708, 754.
Bonaparte, C. L. 1832 A, 308 (Pressirostres, Charadridæ).
Carus, V. 1875 A, 337.
Chandler, A. C. 1916 C, 357.
Dabbene, R. 1910 A, 472.
Evans, A. H. 1899 A, 272.
Forbes, W. A. 1882 A, 389.

Forbes, W. A. 1882 E, 388.
Fürbringer, M. 1888 A, 1420.
1902 B, 650, 669.
Gadow, H. 1893 A, 200.
Garrod, A. H. 1874 A, 117, 123.
Gegenbaur, C. 1871 A, 184 (Charadriadæ).
Graul, W. 1907 A, 154, pls. vi, vii (Vanellus).
Heilmann, G. 1913 B, 69.
Hesse, H. 1907 A, 207.
Huxley, T. H. 1867 A, 430, 455.
Knowlton, F. H. 1909 B, 351.
Leunis and Ludwig 1883 A, 466.
Lobley, J. L. 1908 A, 202, 207.
Lühder, W. 1871 A, 327 (Charadriadæ).
Magnus, H. 1871 A (Charadriadæ).
Newton and Gadow 1896 A, 733.
Pycraft, W. P. 1910 A, 53, 445.
Reichenow, A. 1913 A, 166.
Ridgway, R. 1887 A, 143, 172.
1919 A, 61.
Seebohm, H. 1888 A, 415, 418.
Shufeldt, R. W. 1903 A, 70.
1904 B, 851.
Steiner, H. 1916 A, 493 (Grallæ).
1918 A, 328, 492.
Sundevall, C. J. 1886 A, 404 (Charadriacæ).
Sushkin, P. P. 1899 B, 153.
Vigors, N. A. 1825 A, 489 (Charadriadæ).
Wallace, A. R. 1876 A, II, 355.
Weitzel, A. 1865 A, 338 (Charadrius).
Wetmore and Miller 1926 A, 343.

CHARADRIINÆ Bonaparte.

Bonaparte, C. L. 1838 B, 118 (Charadrinæ).
Adolphi, H. 1922 A, 330 (Charadriidæ).
Fürbringer, M. 1888 A, 1420.
Knowlton, F. H. 1909 B, 370 ("true plovers").
Reichenow, A. 1913 A, 171.
Wetmore and Miller 1926 A, 343.

CHARADRIUS Linnæus. Type *Tringa squatarola* Linnæus.

Hay, O. P. 1902 A, 526.
Abel, O. 1912 F, 284.
Adolphi, H. 1922 A, 330.
Allen, J. A. 1893 B, 99, 108.
Arldt, T. 1907 D, 155, 213.
Beddard, F. E. 1898 A, 537, fig. 168.
Bignon, F. 1889 A.
Blainville, H. M. D. 1821 A, 210 (Charadrias).
Cuvier, G. 1805 A.
Dabbene, R. 1910 A, 472, figs. 37, 48.
Foote, J. S. 1916 A, 62, pl. v.
Garrod, A. H. 1873 C, 36.
Hesse, H. 1907 A, 207.
Kessler, K. T. 1841 A, 645.
Knowlton, F. H. 1909 B, 357.
Köstlin, O. 1844 A.
Leunis and Ludwig 1883 A, 469.
Magnan, A. 1922 A, 169, pls. i, xiii, xiv.
Meckel, J. F. 1825 A.
Newton and Gadow 1896 A, 1063.
Owen, R. 1866 B, 86.
Ridgway, R. 1887 A, 172, pl. liv.
1919 A, 114.
Selenka, E. 1869 A.
Shufeldt, R. W. 1903 A, 21, figs. 1-9.
Sundevall, C. J. 1886 A.
Wagner, R. 1843 A.
Zittel and Schlosser 1911 A, 322.
1923 A, 399.

Charadrius sheppardianus Cope.

Hay, O. P. 1902 A, 526.
Cockerell, T. D. A. 1906 A, 163.
Lambrecht, K. 1916 C, 491.
1921 A, 50.
Wetmore, A. 1928 A, 152.
Miocene (Florissant); Colorado.

OXYECHUS Reichenbach. Type *Charadrius vociferus* Linnæus.

Reichenbach, H. G. 1852, Syst. Avium, XVIII.
A. O. U. 1910 A, 128.
Coues, E. 1884 A, 600 (Ægialites).
Ridgway, R. 1887 A, 174, pls. lii, liii (Ægialitis).

Oxyechus vociferus (Linnæus).

Linnæus, C. 1758 A, 150 (Charadrius).
A. O. U. 1910 A, 128.
Coues, E. 1884 A, 600, fig. 419 (Ægialites).
Hay, O. P. 1927 D, 198.
Knowlton, F. H. 1909 B, 356, fig. 118.
Miller, L. H. 1925 A, 321.
Osborn, H. F. 1925 D, 542.
Ridgway, R. 1887 A, 174 (Ægialitis).
Recent; North and South America: Pleistocene (McKittrick); California.

SCOLOPACIDÆ Vigors.

Vigors, N. A. 1825 A, 488.
Hay, O. P. 1902 A, 526.
Abel, O. 1919 A, 707 (Charadriformes).
Arldt, T. 1907 D, 681.
Blainville, H. M. D. 1821 A, 210 ("courlis").
Bonaparte, C. L. 1831 A, 34.
1832 A, 309 (Limicolæ, Scolopacidæ).
Carus, V. 1875 A, 334.
Cuvier, G. 1805 A ("bécasses").
Giebel, C. G. 1855 B, 31 ("schnepfen").
Hesse, H. 1907 A, 207.
Hoernes, R. 1886 A, 643.
Leunis and Ludwig 1883 A, 459.
Lobley, J. L. 1908 A, 202, 207.
Lühder, W. 1871 A, 327.
Lydekker, R. 1891 A, 171.
Magnus, H. 1871 A.
Marinelli, W. 1928 A, 135, pl. xiv; text-figs. 1, 2 ("schnepfe").
Pycraft, W. P. 1893 A, 364.
Reichenow, A. 1913 A, 183.
Ridgway, R. 1887 A, 143, 147.
1919 A, 143.
Shufeldt, R. W. 1893 B, 563.

Shufeldt, R. W. 1903 A, 70.
1904 B, 851.
Steiner, H. 1916 A, 493 (Limicola).
Taschenberg, O. 1899 A, 4275.
Wallace, A. R. 1876 A, II, 353.
Weitzel, A. 1865 A, 338 (Scolopax).
Wetmore and Miller 1926 A, 343.

SCOLOPACINÆ Bonaparte.

Bonaparte, C. L. 1831 A, 34.
Adolphi, H. 1922 A, 243.
Bonaparte, C. L. 1838 B, 119.
Fürbringer, M. 1888 A, 1217-1420.
Gadow, H. 1893 A, 201.
Huxley, T. H. 1867 A, 457.
Knowlton, F. H. 1909 B, 370.
Newton and Gadow 1896 A, 734.
Reichenow, A. 1913 A, 196.
Ridgway, R. 1887 A, 147.
Sundevall, C. J. 1886 A (Tringariæ).
Wetmore and Miller 1926 A, 343.

MACRORHAMPHUS T. Forster. Type *Scolopax grisea* (Gmelin).

Forster, T. 1817, Cat. Brit. Birds, 22.
A. O. U. 1910 A, 111.
Coues, E. 1884 A, 622.
Ridgway, R. 1887 A, 149, 150, pl. xlvi.

Macrorhamphus griseus (Gmelin).

Gmelin, J. F. 1889, Syst. Nat. I, ii, 658 (Scolopax).
Coues, E. 1884 A, 422, fig. 437.
Hay, O. P. 1927 D, 198.
Knowlton, F. H. 1909 B, 373.
Miller, L. H. 1925 A, 321.
1928 A, 120.
Osborn, H. F. 1925 D, 542.
Ridgway, R. 1887 A, 151.
Recent; Eastern North and South America: Pleistocene (McKittrick); California.

CAPELLA Frenzel. Type *Scolopax cœlestis* Frenzel.

Frenzel, J. S. T. 1801, Beschreib. Vög. u. ihrer Eyer. Wittenb., Naturges. Churkreises, 58.
Knowlton, F. H. 1909 B, 371 (Gallinago).
Koch, C. L. 1816, Syst. baier. Zool., I, 312 (Gallinago).
Leunis and Ludwig 1883 A, 460 (Gallinago).
Matthews and Iredale 1920, Austral Avian Rec., IV, 130-132.
Newton and Gadow 1896 A, 1068 (Gallinago).
Owen, R. 1866 B, 60 ("snipes").
Ridgway, R. 1887 A, 147, 150, pl. xlv (Gallinago).

Capella sp. indet.

Cope, E. D. 1871 I, 98 ("snipe").
1899 A, 280 (Gallinago).
Hay, O. P. 1923 A, 314 (Gallinago).
Wheatley, C. M. 1871 B, 385 ("Scolopax").
Pleistocene (Port Kennedy); Pennsylvania.

TRINGINÆ Bonaparte.

Bonaparte, C. L. 1840 A, 275.
Knowlton, F. H. 1909 B, 362.
Ridgway, R. 1887 A, 148.
Taschenberg, O. 1899 A, 4339 (Tringa).

PELIDNA Cuvier. Type *Tringa alpina* (Linnæus).

Cuvier, G. 1817, Règne Anim., 490.
A. O. U. 1910 A, 115.
Coues, E. 1884 A, 631.
Knowlton, F. H. 1909 B, 362 (Tringa).
Ridgway, R. 1887 A, 159 (Subgenus of Tringa).

Pelidna alpina (Linnæus).

Linnæus, C. 1758 A, 149 (Tringa).
A. O. U. 1910 A, 115.
Coues, E. 1884 A, 631, fig. 439.
Hay, O. P. 1927 D, 198.
Knowlton, F. H. 1909 B, 363 (Tringa).
Miller, L. H. 1925 A, 321.
1928 A, 120.
Osborn, H. F. 1925 D, 542.
Recent; Eastern Hemisphere; accidental in North America: Pleistocene (McKittrick); California.

MICROPALAMA Baird. Type *Tringa himantopus* Bonaparte.

Baird, S. F. Ann. Lyc. Nat. Hist., N. Y. 1826, 157.
A. O. U. 1910 A, 112.
Nichols, J. T. 1923 A, 592.
Ridgway, R. 1887 A, 149, 152, pl. xliii.
Wetmore, A. 1924 A, 13.

Micropalama hesterna Wetmore.

Wetmore, A. 1924 A, 11, figs. 6, 7.
Hay, O. P. 1927 D, 136.
Wetmore, A. 1928 A, 154.
Pliocene? (San Pedro Valley); Arizona.

TOTANUS Bechstein. Type *Scolopax totanus* Linnæus.

Bechstein, J. M. 1803, Orn. Taschenb. Deutchl., II, 282.
A. O. U. 1910 A, 120.
Coues, E. 1884 A, 638.
Fürbringer, M. 1888 A.
Huxley, T. H. 1867 A, 430.
Lydekker, R. 1891 A, 172.
Nichols, J. T. 1923 A, 592.
Owen, R. 1866 B, 26.
Ridgway, R. 1887 A, 149, 164, pl. L.
Taschenberg, O. 1899 A, 4336.
Zittel, K. A. 1890 A, 845.

Totanus melanoleucus (Gmelin).

Gmelin, J. F. 1789, Syst. Nat., I, ii, 659 (Scolopax).
A. O. U. 1910 A, 120.
Coues, E. 1884 A, 638, fig. 445.
Hay, O. P. 1927 D, 198.
Knowlton, F. H. 1909 B, 365.
Miller, L. H. 1925 A, 321.
1928 A, 120.
Osborn, H. F. 1925 D, 542.
Ridgway, R. 1887 A, 165.
Recent; North and South America: Pleistocene (McKittrick); California.

LIMOSA Brisson. Type *Scolopax limosa* Linnæus.

Brisson, M. J. 1760, Orn., v, 261.
A. O. U. 1910 A, 118.
Coues, E. 1884 A, 616, 634.
Knowlton, F. H. 1909 A, 364.
Lambrecht, K. 1914 A, 68.
Owen, R. 1866 B, 23.
Ridgway, R. 1887 A, 149, 162, pl. xlix.
Weitzel, A. 1865 A, 338.

Limosa vanrossemi Miller.

Miller, L. H. 1925 C, 116, pl. vi.
Wetmore, A. 1928 A, 153.
Miocene (Temblor); California.

PALÆOTRINGA Marsh. Type *P. littoralis* Marsh.

Hay, O. P. 1902 A, 527.
Fürbringer, M. 1888 A, 1141.
1902 B, 629.
Heilprin, A. 1887 A, 330.
Van den Broeck, E. 1900 A, 77.
Wetmore, A. 1928 A, 150.
Zittel and Schlosser 1911 A, 323.
1923 A, 398.
Position in this subfamily doubtful.

Palæotringa littoralis Marsh.

Hay, O. P. 1902 A, 527.
Lambrecht, K. 1921 A, 56.
Shufeldt, R. W. 1915 D, 23, 77, pl. vi, fig. 35.
Upper Cretaceous (Hornerstown); New Jersey.

Palæotringa vagans Marsh.

Hay, O. P. 1902 A, 527.
Lambrecht, K. 1921 A, 56.
Shufeldt, R. W. 1915 D, 24, 77, pl. vi, fig. 40; 76 (Phalacrocorax).
Upper Cretaceous (Hornerstown?); New Jersey.

Palæotringa vetus Marsh.

Hay, O. P. 1902 A, 527.
Lambrecht, K. 1916 C, 492.
1921 A, 56.
Shufeldt, R. W. 1915 D, 24, 76, pl. viii, fig. 59.
Wetmore, A. 1928 A, 148.
Upper Cretaceous; New Jersey.

LIMICOLAVIS Shufeldt. Type *L. pluvianella* Shufeldt.

Shufeldt, R. W. 1915 D, 55.
Position in this subfamily doubtful.

Limicolavis pluvianella Shufeldt.

Shufeldt, R. W. 1915 D, 55, pl. xv, fig. 129.
Lambrecht, K. 1921 A, 55.
Oligocene?; Oregon.

RECURVIROSTRIDÆ Bonaparte.

Bonaparte, C. L. 1840 A, 276.
A. O. U. 1910 A, 109.
Bonaparte, C. L. 1831 A, 34 (Recurvirostrinæ).
Coues, E. 1884 A, 609.
Knowlton, F. H. 1909 B, 358.
Ridgway, R. 1887 A, 143, 146.
Stejneger, L. 1885 A, 107 (Recurvirostrinæ).
Wetmore and Miller 1926 A, 343.

RECURVIROSTRA Linnæus. Type *R. avocetta* Linnæus.

Linnæus, C. 1858 A, 151.
A. O. U. 1910 A, 108.
Coues, E. 1884 A, 610.
Fürbringer, M. 1888 A, 140, 145, 168, pls. ii, iv, vii.
Huxley, T. H. 1867 A, 457.
Knowlton, F. H. 1909 B, 358.
Owen, R. 1866 B, 61.
Selenka, E. 1869 A, 19.
Wetmore, A. 1926 B, 397.

Recurvirostra americana Gmelin.

Gmelin, J. F. 1789, Syst. Nat. I, II, 693.
A. O. U. 1910 A, 108.
Coues, E. 1884 A, 611, fig. 424.
Hay, O. P. 1927 D, 198.
Knowlton, F. H. 1909 B, 358, fig. 119.
Miller, L. H. 1925 A, 320.
Recent; North America: Pleistocene (McKittrick); California.

PHALAROPODIDÆ Bonaparte.

Bonaparte, C. L. 1831 A, 34.
Coues, E. 1884 A, 612.
Knowlton, F. H. 1909 B, 360 ("phalaropes").
Ridgway, R. 1887 A, 143.
Shufeldt, R. W. 1903 A, 17 ("phalaropes"); 70.
1904 B, 851.
Weitzel, A. 1865 A, 338 (Phalaropus).
Wetmore and Miller 1926 A, 343.

LOBIPES Cuvier. Type *Tringa lobata* Linnæus.

Cuvier, G. 1817 Règne Anim., I, 495.
Hay, O. P. 1902 A, 527 (Phalaropus).
A. O. U. 1910 A, 107.
Coues, E. 1884 A, 613.
Cuvier, G. 1805 A (Phalaropus).
Newton and Gadow 1896 A, 1078 (Phalaropus).

Lobipes lobatus (Linnæus).

Linnæus, C. 1758 A, 148, 824 (Tringa).
Hay, O. P. 1902 A, 527 (Phalaropus).
A. O. U. 1910 A, 107.
Coues, E. 1884 A, 613 (L. hyperboreus).
Hay, O. P. 1927 D, 244.
Miller, L. H. 1912 A, 81, 113.
Shufeldt, R. W. 1903 A, 17 (Phalaropus).
1913 B, 155.
Recent; Northern and Southern hemispheres: Pleistocene (Fossil Lake); Oregon.

ŒDICNEMIDÆ.

Fürbringer, M. 1888 A, 1217-1220.
Knowlton, F. H. 1909 B, 380.
Lydekker, R. 1891 A, 169.
Reichenow, A. 1913 A, 181 (Œdicneminæ).
Wetmore, A. 1927 A, 11.

BATHORNITHINÆ Wetmore.

Wetmore, A. 1927 A, 13.

BATHORNIS Wetmore. Type *B. veredus* Wetmore.

Wetmore, A. 1927 A, 11.

Bathornis veredus Wetmore.

Wetmore, A. 1927 A, 11, figs. 19-24.
1928 A, 152.
Oligocene (Chadron); Colorado.

PRESBYORNITHIDÆ Wetmore.

Wetmore, A. 1926 B, 396.

PRESBYORNIS Wetmore. Type *P. pervetus* Wetmore.

Wetmore, A. 1926 B, 396.
1928 A, 151.

Presbyornis pervetus Wetmore.

Wetmore, A. 1926 B, 396, pl. xxxvii, figs. 10-20.
Eocene (Green River); Utah.

Superfamily LAROIDÆ, new form.

Hay, O. P. 1902 A, 525 (Laroidea).
Adolphi, H. 1922 A, 350 (Lari).
Bonaparte, C. L. 1832 A, 310 (Longipennes).
Dabbene, R. 1910 A, 479 (Lariformes).
Gadow, H. 1893 A, 205 (Lari).
1910 B, 977 (Lari).
Huxley, T. H. 1867 A, 457 (Cecomorphæ, in part).
Knowlton, F. H. 1909 B, 385 (Lari).
Lebedinsky, N. G. 1913 A (Lariformes).
Lydekker, R. 1891 A, 176 (Gaviæ).
Parker, W. K. 1875 A, 699 (Cecomorphæ, in part).
Pycraft, W. P. 1901 A, 349 (Lari).
Ridgway, R. 1919 A, 3, 447 (Lari).
Sharpe, R. B. 1891 A, 72 (Lariformes).
Shufeldt, R. W. 1893 D, 233 (Longipennes).
1904 B, 850 (Lariformes).
Steiner, H. 1918 A, 332, 441, 492 (Lari).
Vieillot, J. 1816, Analyse Ornith. elem., 16 (Pelagii).
Wetmore and Miller 1926 A, 343 (Lari).

LARIDÆ Vigors.

Vigors, N. A. 1825 A, 498.
Hay, O. P. 1902 A, 525.
Adolphi, H. 1922 A, 350.
Allen, J. A. 1871 A.
A. O. U. 1910 A, 35.
Arldt, T. 1907 D, 661.
1912 A, 686, 687, 708, 754.
Beddard, F. E. 1896 A, 542, 543.
1898 A, 350.
Bittner, F. 1912 A, 2.
Bonaparte, C. L. 1831 A, 34.
1832 A, 310 (Laridæ, Larinæ).
Brandt, J. F. 1840 A, 92, 165, 185.
Bruch, P. 1853 A, 96.
Carus, V. 1875 A, 361.
Chandler, A. C. 1916 C, 356, 391.
Evans, A. H. 1899 A, 300.
Forbes, W. A. 1881 A, 4.
1882 D, 62.
Fürbringer, M. 1902 B, 650, 669.
Gadow, H. 1893 A, 201.
Garrod, A. H. 1873 C, 37.
1874 A, 117.
Gervais, P. 1856 A, 13 ("laridés").
Hesse, H. 1907 A, 202.
Huxley, T. H. 1867 A, 430, 458.
1867 C, 274.
Knowlton, F. H. 1909 B, 386 (Larinæ).
Lebedinsky, N. G. 1913 A.
Leunis and Ludwig 1883 A, 506.
Lilienthal, G. 1917 A, 266, figs. 5, 6 ("möven").
Lobley, J. L. 1908 A, 202, 207.
Lühder, W. 1871 A, 324, 329.
Lydekker, R. 1891 A, 177.

Magnus, H. 1871 A.
Mehnert, E. 1887 B, 212 ("lariden").
Miller, L. H. 1924 A, 173.
Newton and Gadow 1896 A, 1069 ("gulls").
Owen, R. 1866 B, 70 ("gulls").
Parker, W. K. 1888 D, 469, 470.
1890 A, 3, 57.
Pycraft, W. P. 1910 A, 54.
Reichenow, A. 1913 A, 106.
Reynolds, S. H. 1897 A, 328, 335 ("gulls").
Ridgway, R. 1887 A, 20, 23.
Ridgway, R. 1919 A, 561.
Saunders, H. 1878 A, 83.
Seebohm, H. 1888 A, 418.
Shufeldt, R. W. 1893 D, 233.
Steiner, H. 1916 A, 493.
1918 A, 332, 333, 492 (Laridæ, Larinæ).
Strasser, H. 1885 A, 245 ("möven").
Taschenberg, O. 1899 A, 4124.
Wallace, A. R. 1876 A, II, 364.
Wamich, P. 1913 A, 14.
Wetmore and Miller 1926 A, 343.

LARINÆ Bonaparte.

Bonaparte, C. L. 1831 A, 34.
Adolphi, H. 1922 A, 350.
A. O. U. 1910 A, 35.
Beddard, F. E. 1896 A, 543.
Fürbringer, M. 1888 A, 1158.
Knowlton, F. H. 1909 B, 386.
Miller, R. C. 1923 A, 5-15, 10 figs. ("gulls").
Reichenow, A. 1913 A, 106.
Ridgway, R. 1887 A, 23.
Wetmore and Miller 1926 A, 343.

CHROICOCEPHALUS Eyton. Type *Larus capistratus* Temminck.

Eyton, T. C. 1836, Cat. Brit. Birds, 53.
Ridgway, R. 1919 A, 635.

Chroicocephalus philadelphia (Ord).

Ord, G. 1815, Guthrie's Geog. 2d Amer. ed., 319 (Sterna).
Hay, O. P. 1902 A, 525 (Larus).
Hay, O. P. 1927 D, 244 (Larus).
Miller, L. H. 1912 A, 80, 112 (Larus).
Ridgway, R. 1919 A, 645.
Shufeldt, R. W. 1913 B, 155 (Larus).
Recent; North America: Pleistocene (Fossil Lake); Oregon.

LARUS Linnæus. Type *Larus canus* Linnæus.

Linnæus, C. 1758 A, 136.
Hay, O. P. 1902 A, 525.
Adolphi, H. 1922 A, 351, figs. 52, 53.
Aeby, C. 1873 A, 702.
Allen, J. A. 1893 B, 99.
A. O. U. 1910 A, 36.
Arldt, T. 1907 D, 155.
Beddard, F. E. 1898 A, 542, fig. 82.
Beebe, C. W. 1906 A, 490 ("gulls").
Bignon, F. 1889 A.
Bonsdorff, E. J. 1871 A, 310.
Brandt, J. F. 1840 A, 187, 218.
Brauns, D. 1890 A, 201.
Braus, H. 1906 A, 276, fig. 239.
Bronn, H. G. 1849 A, 696.
Bruch, P. 1853 A, 96.
Chandler, A. C. 1916 C, 357, pl. xxviii.
Cuvier, G. 1805 A.
Dabbene, R. 1910 A, 479.
Diethelm, M. 1907 A, 44.
Döderlein, L. 1923 A, 142, 162.
Eaton, G. F. 1910 A, pl. ix, fig. 1.
Evans, A. H. 1899 A, 306.
Eyton, T. C. 1867 A, 225.
Fürbringer, M. 1888 A, pls. iii-v.
Garrod, A. H. 1873 C, 34, 37, fig. 2.
Gegenbaur, C. 1871 A, 177.
Giebel, C. G. 1855 B, 33.
Harting, P. 1866 A, 24.
Heilmann, G. 1913 B, 17, fig. 62.
1926 A, 205, fig. 135.
Hesse, H. 1907 A, 202, pl. viii, fig. 5.
Hommes, J. H. 1924 A, 14.
Huxley, T. H. 1876 C, 252, fig. 11.
Kessler, K. T. 1841 A, 667, 690.
Knowlton, F. H. 1909 B, 387.
Köstlin, O. 1844 A.
Lambrecht, K. 1914 A, 68, pl. viii.
Lebedinsky, N. G. 1913 B, 193.
1917 A, 330, figs. 14-16.
1921 A, 13.
Leunis and Ludwig 1883 A, 507.
Lydekker, R. 1891 A, 177.
Mackie, S. J. 1863 C, 109.
Magnan, A. 1922 A, 145, pls. v, xi; text-fig. 9.
Magnus, H. 1871 A.
Meckel, J. F. 1825 A.
Meek, A. 1912 A, 213, figs. 1-3.
Mehnert, E. 1887 B, 213.
Miller, L. H. 1924 A.
Newton and Gadow 1896 A, 1072.
Noordenbos, W. 1905 B, 376.
Parker, W. K. 1875 A, 724.
1888 D, 469.
Pycraft, W. P. 1910 A, 44, fig. 14.
Ridgeway, R. 1887 A, 23, 25, pls. viii, ix.
1919 A, 580.
Rosenberg, F. T. 1911 A, 213.
Shufeldt, R. W. 1893 D, 233.
Steiner, H. 1921 A, 538.
Strasser, H. 1885 A, 204.
Sundevall, C. J. 1886 A, 405.
Szalay, E. L. 1902 A, 12, pl. ii.
Wallace, A. R. 1876 A, II, 364.
Wamich, P. 1913 A, 14.
Weitzel, A. 1865 A, 341.
Zittel and Schlosser 1911 A, 322.
1923 A, 398.

Larus argentatus Pontoppidian.

Pontoppidian, E. L. 1763, Danske Atlas, I, 622.
Hay, O. P. 1902 A, 525.
Adolphi, H. 1922 A, 351.
A. O. U. 1910 A, 38.
Brandt, J. F. 1840 A, 218.
Chandler, A. C. 1916 C, 357.

Evans, A. H. 1899 A, 306.
Forbes, W. A. 1881 A, 4, fig. 2.
Gegenbaur, C. 1871 A, 177, pl. vi, fig. 15.
Hay, O. P. 1927 D, 244.
Hommes, J. H. 1924 A, 15.
Knowlton, F. H. 1909 B, 388.
Miller, L. H. 1912 A, 80, 112.
Ridgway, R. 1919 A, 612.
Shufeldt, R. W. 1909 A, 313.
1913 B, 155.
1914 C, 19.
Recent; Northern Hemisphere: Pleistocene (Fossil Lake); Oregon.

Larus californicus Lawrence.

Lawrence, G. N. 1854, Ann. Lyc. Nat. Hist. N. Y., vi, 79.
Hay, O. P. 1902 A, 525.
A. O. U. 1910 A, 39.
Coues, E. 1884 A, 745.
Hay, O. P. 1927 D, 244.
Miller, L. H. 1912 A, 80, 112 (This species?).
Ridgway, R. 1919 A, 620.
Shufeldt, R. W. 1913 B, 155.
Recent; western North America: Pleistocene (Fossil Lake); Oregon.

Larus oregonus Shufeldt.

Hay, O. P. 1902 A, 525.
1927 D, 244.
Lambrecht, K. 1921 A, 55.
Miller, L. H. 1912 A, 80, 112.
Shufeldt, R. W. 1913 B, 155.
Pleistocene (Fossil Lake); Oregon.

Larus pristinus Shufeldt.

Shufeldt, R. W. 1915 D, 54, pl. xiv, fig. 112
Lambrecht, K. 1921 A, 54.
Oligocene? (John Day); Oregon.

Larus robustus Shufeldt.

Hay, O. P. 1902 A, 525.
1927 D, 244.
Lambrecht, K. 1921 A, 55.
Miller, L. H. 1912 A, 80, 112.
Shufeldt, R. W. 1913 B, 155.
Pleistocene (Fossil Lake); Oregon.

Larus vero Shufeldt.

Shufeldt, R. W. 1917 B, 40, pl. ii, fig. 21.
Hay, O. P. 1923 A, 382.
Shufeldt, R. W. 1916 E, 18 (Insufficient description).
Pleistocene (Middle?); Florida.

Larus sp. indet.?

Hay, O. P. 1923 A, 382. Pleistocene (Early); Florida.
Shufeldt, R. W. 1917 B, 38, pl. i, figs. 1, 2 (This genus?). Pleistocene (Middle?); Florida

Xema Leach. Type *Larus sabini* (Sabini).

Leach, W. E. 1819 Ross's Voy. Baffins Bay, App., lvii.
Hay, O. P. 1902 A, 525.
A. O. U. 1910 A, 41.
Bruch, P. 1853 A, 103.
Knowlton, F. H. 1909 B, 389.
Ridgway, R. 1887 A, 23, 37, pl. ix.
1919 A, 662.
Shufeldt, R. W. 1893 D, 233.
Wallace, A. R. 1876 A, ii, 364.

Xema sabini (Sabini).

Sabine, J. 1819, Trans. Linn. Soc. Lond., xii, pt. 2, 522, pl. xxix.
Hay, O. P. 1902 A, 525 (X. sabinii).
A. O. U. 1910 A, 41.
Hay, O. P. 1927 D, 244.
Knowlton, F. H. 1909 B, 389.
Miller, L. H. 1912 A, 80, 112.
Ridgway, R. 1919 A, 663.
Shufeldt, R. W. 1913 B, 155.
Recent; Arctic regions to South America: Pleistocene (Fossil Lake); Oregon.

STERNINÆ Bonaparte.

Bonaparte, C. L. 1838 B, 119.
A. O. U. 1910 A, 42.
Beddard, F. E. 1898 A, 356.
Carus, V. 1875 A, 362.
Coues, E. 1884 A, 734, 784.
Evans, A. H. 1899 A, 310.
Fürbringer, M. 1888 A, 1158.
Gadow, H. 1891 A, 205.
Knowlton, F. H. 1909 B, 390.
Reichenow, A. 1882, Vög. Zool. Gart., i, 27 (Sternidæ).
1913 A, 113.
Ridgway, R. 1919 A, 458.
Taschenberg, O. 1899 A, 4302.
Wetmore and Miller 1926 A, 343.

Sterna Linnæus. Type *Sterna hirundo* Linnæus.

Linnæus, C. 1758 A, 137.
Hay, O. P. 1902 A, 525.
Adolphi, H. 1922 A, 357.
Allen, J. A. 1893 B, 99.
A. O. U. 1910 A, 42.
Anthony, R. 1910 A, 780 ("sternes").
Arldt, T. 1907 D, 155.
Beddard, F. E. 1898 A, 547.
Beebe, C. W. 1906 A, 495 ("terns").
Brandt, J. F. 1840 A, 88, 218, 221, pl. i, fig. 8.
Chandler, A. C. 1916 C, 357.
Cuvier, G. 1805 A.
Dabbene, R. 1910 A, 489.
Döderlein, L. 1923 A, 142, 162.
Evans, A. H. 1899 A, 311.
Eyton, T. C. 1867 A, 226.
Fürbringer, M. 1888 A, pls. ii, iv, v.
Garrod, A. H. 1873 C, 37.
Harting, P. 1866 A, 24.
Hase, A. 1913 A, 139, fig. 58.

Heilmann, G. 1914 A, 63, fig. 147.
1926 A, 207, fig. 70 (Sterna).
Kessler, K. T. 1841 A, 668, 690.
Kingsley, J. S. 1925 A, 288, fig. 312.
Köstlin, O. 1844 A.
Lambrecht, K. 1914 A, 68.
Leighton, V. L. 1894 A, 63, pl. i.
Leunis and Ludwig 1883 A, 510.
Magnan, A. 1922 A, 135, text-fig. 2.
Magnus, H. 1871 A.
Meckel, J. F. 1825 A.
Mehnert, E. 1887 B, 213.
Newton and Gadow 1896 A, 1084.
Owen, R. 1866 B, 70.
Plieninger, F. 1906 A, 404.
Ridgway, R. 1887 A, 24, 39, pls. x, xi.
1919 A, 485.
Shufeldt, R. W. 1893 D, 233.
Sieglbauer, F. 1911 A, 275.
Steiner, H. 1922 A, 310.
Sundevall, C. J. 1886 A, 403.
Wallace, A. R. 1876 A, II, 364.
Weitzel, A. 1865 A, 341.

Sterna forsteri? Nuttall.

Nuttall, T. 1834, Manual Ornith., 274.
Hay, O. P. 1902 A, 525.
1927 D, 244.
Miller, L. H. 1912 A, 80, 112.
Ridgway, R. 1919 A, 490.
Shufeldt, R. W. 1913 B, 155.
Recent; North America: Pleistocene (Fossil Lake); Oregon.

THALASSEUS Boie. Type *T. cantiaca* Gmelin.

Boie, H. 1822, Isis, VIII, 563, 880.
Ridgway, R. 1919 A, 466.

Thalasseus elegans (Gambel).

Gambel, W. 1848 (1849), Proc. Acad. Nat. Sci. Phila., IV, 129 (Sterna).
Hay, O. P. 1902 A, 525 (Sterna).
Hay, O. P. 1927 D, 244 (Sterna).
Miller, L. H. 1912 A, 80, 112 (Sterna).
Ridgway, R. 1919 A, 472.
Shufeldt, R. W. 1913 B, 155 (Sterna).
Recent: Pacific coast from San Francisco to Chili: Pleistocene (Fossil Lake); Oregon.

CHLIDONIAS Rafinesque. Type *Sterna nigra* Linnæus.

Rafinesque, C. S. 1822, Kentucky Gazette, I, No. 8, 3.
Unless otherwise indicated the authors, as cited, use for this genus the name *Hydrochelidon.*
Hay, O. P. 1902 A, 525.
Boie, F. 1922, Isis, X, 563.
Evans, A. H. 1899 A, 314.
Hesse, H. 1907 A, 202.
Leunis and Ludwig 1883 A, 512.
Newton and Gadow 1896 A, 955.
Ridgway, R. 1919 A, 526.
Steiner, H. 1918 A, 333, fig. 31.

Chlidonias nigra surinamensis (Gmelin).

Gmelin, J. F. 1789, Syst. Nat., I, 604 (Sterna surinamensis).
Hay, O. P. 1902 A, 525 (Hydrochelidon nigra).
A. O. U. 1910 A, 47 (Hydrochelidon).
Evans, A. H. 1899 A, 314 (Hydrochelidon nigra).
Hay, O. P. 1927 D, 244 (Hydrochelidon).
Miller, L. H. 1912 A, 80, 112 (Hydrochelidon).
Ridgway, R. 1919 A, 532, (Hydrochelidon).
Shufeldt, R. W. 1913 B, 155 (Hydrochelodon).
Recent, North and South America; Pleistocene (Fossil Lake); Oregon.

Superfamily ALCOIDÆ, new form.

Hay, O. P. 1902 A, 524 (Alcoidea).
Beddard, F. E. 1898 A, 359 (Alcæ).
Dabbene, R. 1910 A, 138 (Alciformes).
Evans, A. H. 1899 A, 315 (Alcæ).
Huxley, T. H. 1867 A, 458 (Cecomorphæ, in part).
Lebedinsky, N. G. 1913 A (Alciformes).
Parker, W. K. 1875 A, 699 (Cecomorphæ, in part).
Ridgway, R. 1919 A, 3, 700 (Alcæ).
Sharpe, R. B. 1891 A, 72 (Alciformes).
Wetmore and Miller 1926 A, 343 (Alcæ).

ALCIDÆ Bonaparte.

Bonaparte, C. L. 1831 A, 35.
Hay, O. P. 1902 A, 524.
Adolphi, H. 1922 A, 360.
Allen, J. A. 1871 A.
1893 B, 105.
A. O. U. 1910 A, 25.
Andrews, C. W. 1916 B, 524.
Arldt, T. 1907 D, 636.
1912 A, 708, 754.
Beddard, F. E. 1896 A, 543.
Bonaparte, C. L. 1832 A, 312 (Alcinæ).
Brandt, J. F. 1840 A, 165 (Alcadeæ).
Carus, V. 1875 A, 366.
Chandler, A. C. 1916 C.
Coues, E. 1868 A, 2, 14.
Cuvier, G. 1805 A ("alques").
Evans, A. H. 1899 A, 315.
Forbes, W. A. 1881 A, 4.
1882 A, 389.
Fürbringer, M. 1888 A.
1902 B, 651, 669.
Gadow, H. 1893 A, 206.
Garrod, A. H. 1873 C, 37.
1874 A, 117, 120.
Hoernes, R. 1886 A, 640.
Huxley, T. H. 1867 A, 458.
1867 C, 274.
Knowlton, F. H. 1909 B, 396.
Lebedinsky, N. G. 1913 A.
1921 A, 10, figs. 2-4 (Alca).

Leunis and Ludwig 1883 A, 515.
Lobley, J. L. 1908 A, 202.
Lühder, W. 1871 A, 324 (Alcæ).
Lydekker, R. 1891 A, 193.
Meckel, J. F. 1825 A (Alcæ).
Newton and Gadow 1896 A, 1059 (Alca).
Parker, W. K. 1888 D, 470.
1890 A, 56.
Pycraft, W. P. 1900 C, 1019.
1906 A, 401.
Pycraft, W. P. 1910 A, 54, 450.
Reichenow, A. 1913 A, 82.
Ridgway, R. 1887 A, 8.
1919 A, 701.
Seebohm, H. 1888 A, 418.
Steiner, H. 1918 A, 333, 492.
Sushkin, P. P. 1899 B, 153.
Wallace, A. R. 1876 A, II, 367.
Wamich, P. 1913 A, 14.

ALCINÆ Bonaparte.

Bonaparte, C. L. 1831 A, 35.
A. O. U. 1910 A, 31.
Fürbringer, M. 1888 A, 1148 (Alcinæ, Uriinæ).
Knowlton, F. H. 1909 B, 396.
Wetmore and Miller 1926 A, 343.

CERORHINCA Bonaparte. Type *Alca monocerata* Pallas.

Bonaparte, C. L. 1828, Ann. Lyc. Nat. Hist., N. Y., II, 427.
A. O. U. 1910 A, 27.
Coues, E. 1884 A, 805, figs. 536-538 (Ceratorhina).
Ridgway, R. 1887 A, 9, 11, pl. vi.

Cerorhinca dubia Miller.

Miller, L. H. 1925 C, 115, pl. ii *a*.
Miocene (Temblor); California.

URIA Brisson. Type *Uria uria* Brisson.

Brisson, M. J. 1760, Ornith., VI, 70.
Hay, O. P. 1902 A, 524.
Adolphi, H. 1922 A, 361.
A. O. U. 1910 A, 31.
Bignon, F. 1889 A.
Bonsdorff, E. J. 1871 A, 310.
Coues, E. 1868 A, 14, 67.
Dabbene, R. 1910 A, 201 (Catarrhactes).
Fürbringer, M. 1888 A, pls. ii, iv, vii.
Garrod, A. H. 1873 C, 36 (Catarhactes).
Giebel, C. G. 1855 B, 33.
Heilmann, G. 1926 A, 85, figs. 66, 69.
Knowlton, F. H. 1909 B, 400.
Leunis and Ludwig 1883 A, 517.
Magnan, A. 1922 A, 170, pl. v.
Newton and Gadow 1896 A, 1086.
Owen, R. 1866 B, 31, 82.
Parker, W. K. 1890 A, 58, pls. vi-viii.
Pycraft, W. P. 1900 C, 1040.
Ridgway, R. 1887 A, 10, 17, pl. ii.
1919 A, 717.
Rosenberg, F. T. 1911 A, 209.
Selenka, E. 1869 A, pl. xvii.
Sundevall, C. J. 1886 A.
Weitzel, A. 1865 A, 339.
Zittel and Schlosser 1923 A, 398.

Uria affinis (Marsh).

Hay, O. P. 1902 A, 524.
A. O. U. 1910 A, 379.
Lambrecht, K. 1921 A, 57.
Shufeldt, R. W. 1915 D, 69, 76, pl. viii, fig. 60.
Pleistocene; Maine.

Uria antiqua (Marsh).

Hay, O. P. 1902 A, 524.
A. O. U. 1910 A, 379.
Lambrecht, K. 1921 A, 57.
Miller and Stephenson 1912 A, 57 (Catarractes).
Shufeldt, R. W. 1915 D, 63, 76, pl. viii, fig. 56.
Miocene (St. Mary's); North Carolina.

PINGUINUS Bonnaterre. Type *Alca impennis* Linnæus.

Bonnaterre, J. P. 1790, Tabl. Ency. Meth., 28.
Hay, O. P. 1902 A, 524 (Plautus).
Abel, O. 1912 F, 354 (Alca).
Beddard, F. E. 1898 A, 141, 360, fig. 79 (Alca).
Evans, A. H. 1899 A, 315 (Alca).
Fürbringer, M. 1888 A (Plautus, Alca).
Garrod, A. H. 1873 C, 36 (Alca).
Harting, P. 1866 A, 24 (Alca).
Hay, O. P. 1902 B, 255 (Plautus).
Heilprin, A. 1887 A, 69 (Alca).
Knowlton, F. H. 1909 B, 403 (Plautus).
Owen, R. 1866 B, 17-25 (Alca).
Ridgway, R. 1919 A, 710.
Steiner, H. 1918 A, 337, fig. 32 (Alca).

Pinguinus impennis (Linnæus).

Hay, O. P. 1902 A, 524 (Plautus).
Blasius, W. 1885 A, 398 (Alca).
Blasius, W. 1900 A, 434 (Alca).
Blatchley, W. S. 1902 A, 175, figs. 53, 54 (Plautus).
Coues, E. 1868 A, 15 (Alca).
Eimer, G. H. T. 1901 A, 164 (Alca).
Evans, A. H. 1899 A, 315 (Plautus).
Eyton, T. C. 1867 A, 215 (Alca).
Fürbringer, M. 1888 A, pls. iv, v (Plautus, Alca).
Garrod, A. H. 1873 C, 34, fig. 1 (Alca).
Grieve, S. 1883 A, 479, pl. ix (Alca).
Hay, O. P. 1902 B, 255 (Plautus).
Hoernes, R. 1886 A, 640 (Alca).
Hull, E. 1908 A, 152 ("great auk").
Huxley, T. H. 1867 A, 455 (Plautus).
Lambrecht, K. 1921 A, 56 (Alca).
Lankester, E. R. 1905 A, 23, figs. 15, 15a (Alca).
Lucas, F. A. 1903 B, 311 ("great auk").
Meunier, S. 1903 A, 772 (Alca).

Michahelles, C. 1833 A, 648 (Alca).
Mivart, St. G. 1871 B, 392, pl. liii, fig. 11 (Plautus).
Moreau, L. J. 1900 A, 109 (Alca).
Owen, R. 1868 A, 759 (Alca).
Pycraft, W. P. 1910 A, 120 ("great auk").
Ridgway, R. 1919 A, 711.
Scharff, R. W. 1907 A, 37, fig. 11 (Alca).
Serres, M. 1860 A, 303 (Alca).
Shufeldt, R. W. 1886 D, 362, fig. (Alca).
1896 A, 358 (Plautus).
Strasser, O. z. 1910 A, 184, 2 pls. (Plautus).
Formerly on coasts and islands of North Atlantic from Arctic Circle south to Ireland and Massachusetts: Found at bottom of shell heaps in Florida.

Synthliboramphus Brandt. Type *Alca antiqua* Gmelin.

Brandt, J. F. 1837, Bull. Sci. Acad. Imp. St. Pétersb., II, 347.
Beddard, F. E. 1896 A, 544.
Coues, E. 1868 A, 55.
1884 A, 811.
Ridgway, R. 1919 A, 756.

Synthliboramphus antiquus (Gmelin).

Gmelin, J. F. 1789, Syst. Nat., I, II, 554. (Alca).
A. O. U. 1910 A, 29.
Coues, E. 1868 A, 56, fig. 13.
1884 A, 811, fig. 549.
Hay, O. P. 1927 D, 172.
Miller, L. H. 1914 A, 34.
1928 A, 120.
Ridgway, R. 1919 A, 757.
Recent; coasts and islands of north Pacific: Pleistocene (San Pedro); California.

Mancalla Lucas. Type *M. californiensis* Lucas.

Lucas, F. A. 1901 G, 428.
Zittel and Schlosser 1911 A, 322.

Mancalla californiensis Lucas.

Lucas, F. A. 1901 G, 428.
Lambrecht, K. 1921 A, 56.
Lucas, F. A. 1901 E, 133, figs. 1, 2.
Merrill, G. P. 1907 A, 5.
Miller, L. H. 1911 D, 117.
1912 A, 65, 67.
Yates, L. G. 1904 A, 8.
Zittel and Lucas 1902 A, 273.
Upper Miocene; California.

Nautilornithinæ Wetmore.

Wetmore, A. 1926 B, 394.

Nautilornis Wetmore. Type *N. avus* Wetmore.

Wetmore, A. 1926 B, 392.
1928 A, 151.

Nautilornis avus Wetmore.

Wetmore, A. 1926 B, 392.
Eocene (Green River); Utah.

Nautilornis proavitus Wetmore.

Wetmore, A. 1926 B, 394, pl. xxxvi, fig. 9.
Eocene (Green River); Utah.

Suborder Columbiformes Fürbringer.

Fürbringer, M. 1888 A, 1567.
Adolphi, H. 1922 A, 365 (Columbæ).
A. O. U. 1910 A, 147 (Columbæ).
Arldt, T. 1907 D, 647.
Beddard, F. E. 1897 A, 470 (Columbæ).
Blainville, H. M. D. 1816, Bull. Soc. Philomat., 110 (Giratores).
Bonaparte, C. L. 1831 A, 58 (Columbini).
Carus, V. 1868 A, 311 (Gyrantes).
Chandler, A. C. 1916 C, 359 (Columbæ).
Coues, E. 1884 A, 561 (Columbæ).
Duméril, A. M. C. 1806 A, 52 (Columbini).
Elliot, D. G. 1885 A, 236 (Columbæ).
Fürbringer, M. 1888 A (Columbæ, Peristeromorphæ).
1902 B, 614, 681.
Gadow, H. 1891 A (Columbæ).
1892 A, 247.
1893 A, 210.
1910 B, 977 (Columbæ).
Garrod, A. H. 1873 D, 639 (Columbæ).
1874 A, 117 (Columbæ).
1874 B, 252 (Columbæ).
Gaupp, E. 1905 D, 1026 (Columbæ).
Hilzheimer, M. 1913 A, 517 (Columbinæ).
Huxley, T. H. 1867 A, 456, 459, 460 (Peristeromorphæ).
1867 C, 276 (Peristeromorphæ).
Knowlton, F. H. 1909 B, 408 (Columbæ).
Leunis and Ludwig 1883 A, 434 (Columbinæ).
Lobley, J. L. 1908 A, 197 (Columbæ).
Lühder, W. 1871 A, 327 (Columbæ).
Lydekker, R. 1879 A, 12 (Peristeromorphæ).
1891 A, 123 (Columbæ).
Miller, L. H. 1925 B, 80 (Columbæ).
Newton, A. 1885 A, 46 (Columbæ).
Newton and Gadow 1896 A, 1064 (Columbæ).
Owen, R. 1866 B, 10 (Columbacei, Gemitores).
Parker, W. K. 1875 A, 700 (Peristeromorphæ).
Parker and Haswell 1897 A, 389 (Columbæ).
Reichenow, A. 1913 A, 323 (Gyrantes).
Ridgway, R. 1887 A, 210 (Columbæ).
1916 A, 275.
Sclater, P. L. 1858 A (Columbæ).
Seebohm, H. 1888 A, 419, 422, 426 (Columbæ).
Sharpe, R. B. 1891 A, 70.
Shufeldt, R. W. 1901 D, 487, 506 (Columbæ).
Steiner, H. 1916 A, 493, 496 (Columbæ).

Steiner, H. 1918 A, 271, 339, 441, 492 (Columbæ).
Strasser, H. 1905 B ("tauben").
1905 C ("tauben").
Sundevall, C. J. 1886 A, 406 (Pygopodes).
Vialleton, L. 1916 A, 7 (Columbæ).
Wallace, A. R. 1876 A, I, 492; II, 331, 335 (Columbæ).
Wetmore, A. 1926 A, 5 ("columbiform birds").
Wetmore and Miller 1926 A, 343.
Zittel, K. A. 1890 A, 848.
Zittel and Schlosser 1911 A, 324 (Columbæ).

Superfamily COLUMBOIDÆ, new name.

Adolphi, H. 1922 A, 365 (Columbæ).
Gadow, H. 1892 A, 248 (Columbæ).
Wetmore and Miller 1926 A, 343 (Columbæ, Columbides).

COLUMBIDÆ Vigors.

Vigors, N. A. 1825 A, 480.
Adolphi, H. 1922 A, 365 (Columbinæ).
Boie, F. 1826 A, col. 977.
Bonaparte, C. L. 1831 A, 32.
Arldt, T. 1907 D, 647.
Beebe, C. W. 1915 B, 44 (Columba).
Bignon, F. 1889 A.
Blanchard, E. 1857 A, 98 ("pigeons").
Chandler, A. C. 1916 C, 360.
Coues, E. 1884 A, 562.
Cuvier, G. 1805 A ("pigeons").
Elliot, D. G. 1885 A, 242.
Engelmann, O. 1910 A, 487 (Columba).
Filatoff, D. 1906 A, 626 (Columba).
Finn, F. 1894 B, 454 ("pigeons").
Fürbringer, M. 1888 A, 1217-1420.
1902 B, 681.
Gadow, H. 1892 A, 248.
1893 A, 210.
1910 B, 977.
Garrod, A. H. 1874 B, 258.
Gegenbaur, C. 1871 A, 170 ("tauben").
Gervais, P. 1856 A, 15 ("pigeons").
Giebel, C. G. 1855 B, 35 ("tauben").
Harting, P. 1866 A, 24.
Heilprin, A. 1887 A, 66.
Hesse, H. 1907 A, 214.
Huxley, T. H. 1867 A, 434, 455, 459, fig. 16.
Huxley, T. H. 1867 C, 252.
Knopfli, W. 1917 A, 51 (Columba).
Knowlton, F. H. 1909 B, 413.
L'Herminier, F. 1836 A, 110 ("pigeons").
Leunis and Ludwig 1883 A, 436.
Lobley, J. L. 1908 A, 201, 206.
Lydekker, R. 1891 A, 124.
Magnus, H. 1871 A ("tauben").
Meckel, J. F. 1825 A ("tauben").
Owen, R. 1866 B, 53, 70.
Parker, W. K. 1888 D, 473 ("pigeons").
Parker and Haswell 1897 A, 351, figs. 963-971, 973-982.
Pycraft, W. P. 1902 B, 324 ("pigeons").
Reichenow, A. 1913 A, 331 (Columbidæ); 343 (Columbinæ).
Ridgway, R. 1887 A, 210.
Selenka, E. 1869 A, 33, pls. vii, xiii (Columba).
Shufeldt, R. W. 1891 E, 194.
1901 D, 488.
1904 C, 315.
Steiner, H. 1918 A, 492.
Strasser, H. 1885 A, 243 ("tauben").
1905 B ("tauben").
1905 C ("tauben").
Wallace, A. R. 1894 A, 442.
Weitzel, A. 1865 A, 333, 357 ("tauben").
Wetmore and Miller 1926 A, 343.

COLUMBA Linnæus. Type *C. palumbus* Linnæus.

Linnæus, C. 1758 A, 162.
Beer, G. R. 1926 A, 323, fig. 96 (Columbia).
Carus and Engelmann 1861 A, 1724.
Coues, E. 1884 A, 564.
Döderlein, L. 1923 A, 142, 162.
Elliot, D. G. 1885 A, 252.
Fürbringer, M. 1888 A, pls. ii, iv.
Heilmann, G. 1926 A, 11, figs. 5, 6, 131 (Columba); 206 ("pigeons").
Hommes, J. H. 1924 A, 16.
Kingsbury, B. F. 1926 A, 103.
Knowlton, F. H. 1909 A, 419.
Lambrecht, K. 1914 A, 68, pl. viii.
Lippincott, W. A. 1920 A, 535.
Lurje, M. 1906 A, 1-61, pls. i-x ("tauben").
Magnan, A. 1922 A, 142, pl. iii; text-fig. 6.
Miller, W. D. 1924 A, 5, fig. 8.
Owen, R. 1866 B, 49, 66.
Reichenow, A. 1913 A, 343.
Ridgway, R. 1887 A, 210, 211, pl. lxii.
Selenka, E. 1869 A, pls. vii, xiii.
Sundevall, C. J. 1886 A, 406.
Taschenberg, O. 1899 A, 4000.
Weitzel, A. 1865 A, 333.

Columba fasciata Say.

Say, T. 1823, Long's Exped., II, 10.
A. O. U. 1910 A, 147.
Coues, E. 1884 A, 565.
Hay, O. P. 1927 D, 186.
Knowlton, F. H. 1909 A, 419.
Miller, L. H. 1925 B, 80.
Recent; western U. S. to Nicaraugua: Pleistocene (La Brea); California.

Columba micula (Wetmore).

Wetmore, A. 1924 A, 13, figs. 8, 9 (Chlorœnas).
Hay, O. P. 1927 D, 136 (Chlorœnas).
Wetmore, A. 1928 A, 154 (Chlorœnas).
Generic change made by Wetmore.
Pliocene? (San Pedro Valley); Arizona.

ZENAIDURA Bonaparte. Type *Columba carolinensis* Linnæus.

Bonaparte, C. L. 1854, Consp. Avium, II, 84.
A. O. U. 1910 A, 148.
Coues, E. 1884 A, 568.
Garrod, A. H. 1874 B, 259.

Knowlton, F. H. 1909 B, 426.
Ridgway, R. 1887 A, 210, 212, pl. lxiii.
1916 A, 339.
Shufeldt, R. W. 1901 D, 494.

Zenaidura macroura carolinensis (Linnæus).

Linnæus, C. 1766, Syst. Nat. ed. 12, I, 286 (Columba).
Chandler, A. C. 1916 C, 359 (Z. macroura).
Coues, E. 1884 A, 568, fig. 392 (Z. carolinensis).
Hay, O. P. 1927 D, 198 (Z. macroura); 186 (Z. m. carolinensis).
Knowlton, F. H. 1909 B, 426 (Z. macroura).
Miller, L. H. 1912 A, 84 (Z. macroura).
1925 A, 322 (Z. macroura).
1925 B, 80 (Z. macroura).
Osborn, H. F. 1925 D, 542 (Z. macroura).
Ridgway, R. 1916 A, 340.
Recent; North America: Pleistocene (McKittrick); California.

Suborder PSITTACIFORMES Fürbringer.

Fürbringer, M. 1888 A, 1552, 1567.
Unless otherwise indicated the writers, as cited, use for this suborder the name Psittaci.
Adolphi, H. 1922 A, 375.
A. O. U. 1910 A, 179.
Beddard, F. E. 1897 A, 470 ("parrots").
Coues, E. 1884 A, 494.
Gadow, H. 1892 A, 231, 249.
1910 B, 977.
Huxley, T. H. 1867 A, 465 (Psittacomorphæ).
Knowlton, F. H. 1909 B, 454.
Lambrecht, K. 1914 A, 69.
Miller, W. D. 1924 A, 2 ("parrots").
Parker, W. K. 1875 A, 700, 712, 714 (Psittacomorphæ).
Reichenow, A. 1913 A, 434.
Ridgway, R. 1887 A, 268.
Sharpe, R. B. 1891 A, 83 (Psittaciformes).
Steiner, H. 1922 A, 328.
Stejneger, L. 1885 A, 349.
Taschenberg, O. 1899 A, 4252.
Thompson, d'A. W. 1899 A, 9-46 ("parrots").
Wetmore, A. 1926 A, 5 ("psittaciform birds").
Wetmore and Miller 1926 A, 343 (Psittaciformes).
Zittel, K. A. 1890 A, 849, 856.
Zittel and Schlosser 1911 A, 324.
1923 A, 401.

PSITTACIDÆ Vigors.

Vigors, N. A. 1825 A, 452.
Adolphi, H. 1922 A, 376.
Aeby, C. 1873 A, 702, pl. xii (Psittacus).
A. O. U. 1910 A, 179.
Bignon, F. 1889 A.
Bonsdorff, E. J. 1871 A, 310, 311 (Psittacinæ).
Coues, E. 1884 A, 496.
Fürbringer, M. 1888 A, 1133.
Gaupp, E. 1905 D, 1028 ("papageien").
Knobel, E. M. 1924 A, 789 ("parrots").
Knowlton, F. H. 1909 B, 455.
Lydekker, R. 1891 A, 10.
Mivart, St. G. 1895 A, 162.
Owen, R. 1848 B, 42, 157.
1866 B, 51, fig. 30.
Reichenow, A. 1913 A, 464 (Psittacidæ); 484 (Conurinæ).
Ridgway, R. 1887 A, 268.
Selenka, E. 1869 A, 32, 34, 47, 64, pls. iv, xiv, xvi ("papageien").
Sundevall, C. J. 1886 A, 406 (Psittaci).
Thompson, d'A. W. 1899 A, 32 (Psittacinæ).
Weitzel, A. 1865 A, 332 (Psittacus).
Wetmore, A. 1926 A, 3.
Wetmore and Miller 1926 A, 344.

CONUROPSIS Salvadori. Type *Psittacus carolinensis* Linnæus.

Salvadori, T. A. 1891, Cat. Birds Brit. Mus., xx, 203.
A. O. U. 1910 A, 179.
Coues, E. 1884 A, 494 (Conurus).
Knowlton, F. H. 1909 B, 469.
Ridgway, R. 1887 A, 268, 269, pl. lxxvii (Conurus).
Shufeldt, R. W. 1886 C, 407 (Conurus).
Stejneger, L. 1885 A, 365 (Conurus).
Wetmore, A. 1926 A, 3.
1926 E, 526 ("paroquet").

Conuropsis carolinensis (Linnæus).

Linnæus, C. 1758 A, 97 (Psittacus).
Bignon, F. 1889 A, 290, 291, 295.
Ridgway, R. 1887 A, 270 (Conurus).
Shufeldt, R. W. 1886 C, 407, pls. ix, x (Conurus).
Stejneger, L. 1885 A, 366, fig. 170.
This form not found as a fossil.
Probably extinct; once ranged over much of eastern half of United States.

Conuropsis fratercula Wetmore.

Wetmore, A. 1926 A, 3, figs. 5, 6.
1928 A, 153.
Middle Miocene (Sheep Creek); Nebraska.

Suborder CUCULIFORMES Coues.

Coues, E. 1884 A, 446, 467.
Adolphi, H. 1922 A, 372.
Arldt, T. 1907 D, 646 (Coccygiformes).
Beddard, F. E. 1897 A, 470 (Cuculi).
Chandler, A. C. 1916 C, 363.
Cope, E. D. 1891 N, 58, 60 (Coccygomorphæ).

Coues, E. 1884 A, 446, 467.
Fürbringer, M. 1888 A, 1567 (Coccygiformes).
1902 B, 684, 724 (Coccygiformes).
Gadow, H. 1893 A, 212, 300.
1910 B, 977.
Gegenbaur, C. 1871 A, 192 (Coccygomorphæ).
Heilmann, G. 1926 A, 20 (Coccygomorphæ).
Huxley, T. H. 1867 A, 466 (Coccygomorphæ).
1867 C, 284 (Coccygomorphæ).
Knowlton, F. H. 1909 B, 50, 441.
Lambrecht, K. 1914 A, 69, 73.
Leunis and Ludwig 1883 A, 337 (Coccygomorphæ).
Lydekker, R. 1879 A, 27 (Coccyges).
Newton and Gadow 1896 A, 11, 147, 879 (Coccyges); 1064 (Coccygomorphæ).
Parker, W. K. 1875 A, 700, 712, 715 (Coccygomorphæ).
Pycraft, W. P. 1903 A, 258, 288 (Cuculiformes, Cuculi).
Ridgway, R. 1887 A, 271 (Coccyges).
1916 A, 1 (Coccygiformes).
Sharpe, R. B. 1891 A, 82 (Coccyges).
Shufeldt, R. W. 1901 C, 5 (Coccygomorphæ).
Steiner, H. 1918 A, 492.
Stejneger, L. 1885 A, 371 (Cuculoideæ).
Sundevall, C. J. 1886 A (Coccyges).
Wetmore and Miller 1926 A, 344.
Zittel, K. A. 1890 A, 850, 856 (Coccygiformes).

Superfamily CUCULOIDÆ, new form.

Adolphi, H. 1922 A, 373 (Cuculi).
Gadow, H. 1893 A, 223 (Coccyges).
1910 B, 977 (Cuculi).
Knowlton, F. H. 1909 B, 50, 441 (Cuculi).
Lambrecht, K. 1914 A, 69 (Cuculi).
Pycraft, W. P. 1903 A, 258, 288 (Cuculi).
1910 A, 52, 50 (Cuculi).
Stejneger, L. 1885 A, 371 (Cuculoideæ).
Wetmore and Miller 1926 A, 344 (Cuculi).

CUCULIDÆ Vigors.

Vigors, N. A. 1825 A, 453.
Adolphi, H. 1922 A, 373.
A. O. U. 1910 A, 180.
Arldt, T. 1907 D, 648.
Blanchard, E. 1859 A, 139.
Bonaparte, C. L. 1831 A, 30 (Cuculidæ, Cuculinæ).
1832 A, 297 (Cuculinæ).
1840 A, 272.
Chandler, A. C. 1916 C, 364.
Coues, E. 1884 A, 470.
Fürbringer, M. 1888 A, pls. iii, iv, vi, vii (Cuculus).
Gadow, H. 1891 A.
1893 A, 214.
Garrod, A. H. 1874 A, 116, 119.
Gaupp, E. 1905 D, 1026 (Cuculus).
Giebel, C. G. 1855 B, 37 ("kukuk").
Hesse, H. 1907 A, 221.
Huxley, T. H. 1867 A, 444, 455, 466.
1867 C, 262, 265, 285, fig. 26.
Knowlton, F. H. 1909 B, 442.
Leunis and Ludwig 1883 A, 342.
Lobley, J. L. 1908 A, 201, 206.
Magnus, H. 1871 A, 70.
Parker, W. K. 1875 D ("cuculine birds").
Pycraft, W. P. 1903 A, 258, 288.
Reichenow, A. 1914 A, 7.
Ridgway, R. 1887 A, 271.
Selenka, E. 1869 A, pl. xvi.
Shufeldt, R. W. 1901 C, 9.
Steiner, H. 1918 A, 492.
Stejneger, L. 1885 A, 373.
Taschenberg, O. 1899 A, 4018.
Weitzel, A. 1865 A, 330 (Cuculus).
Wetmore and Miller 1926 A, 344 (Cuculidæ, Cuculinæ).

NEOMORPHINÆ.

A. O. U. 1910 A, 180.
Knowlton, F. H. 1909 B, 448.
Reichenow, A. 1914 A, 10.
Shelley, G. E. 1891, Cat. Birds Brit. Mus. xix, 414.
Wetmore and Miller 1926 A, 344.

GEOCOCCYX Wagler. Type *Saurothera californiana* Lesson.

Wagler, J. G. 1831, Isis, xxiv, 524.
A. O. U. 1910 A, 180.
Coues, E. 1884 A, 473.
Huxley, T. H. 1867 A, 444, 445.
Owen, R. 1866 B, 34, 36.
Reichenow, A. 1914 A, 12.
Ridgway, R. 1887 A, 271, 272, pl. lxxix.
Shufeldt, R. W. 1886 B, 466.
Stejneger, L. 1885 A, 381.

Geococcyx californianus (Lesson).

Lesson, R. P. 1829, Compl. Oeuvres Buffon, vi, 420 (Saurothera).
A. O. U. 1910 A, 181.
Coues, E. 1884 A, 474, fig. 325.
Hay, O. P. 1927 D, 187, 198.
Knowlton, F. H. 1909 B, 448.
Miller, L. H. 1921 C, 130 ("Geococcyx").
1925 A, 325.
1925 B, 104 (This species?).
1927 A, 156.
Osborn, H. F. 1925 D, 542 (This species?).
Shufeldt, R. W. 1886 B, 466, pls. xlii-xlv.
Stejneger, L. 1885 A, 381, fig. 184.

Recent; Sacramento Valley to Mexico, east to Kansas and Texas: Pleistocene (La Brea, McKittrick); California.

Neomorphus Gloger. Type *N. geoffroyi* Temminck.

Gloger, C. W. L. 1827, in Froriep's Notiz., xvi, 278.
Carus, V. 1875 A, 235.
Miller, L. H. 1912 A, 98 (Neomorpha).
Owen, R. 1866 B, 32, 36 (Neomorpha).
Reichenow, A. 1914 A, 12.
Shelley, G. E. 1891, Cat. Birds Brit. Mus., xix, 415.

Neomorphus sp. indet.

Hay, O. P. 1927 D, 187. Pleistocene; California.
Miller, L. H. 1912 A, 78, 98 (Neomorpha?).
Osborn, H. F. 1925 D, 542 (Neomorpha?).

Suborder Strigiformes Shufeldt.

Shufeldt, R. W. 1904 B, 854.
Unless otherwise indicated the authors, as below cited, use the name Striges for this suborder.
Hay, O. P. 1902 A, 536.
Adolphi, H. 1922 A, 391.
Arldt, T. 1907 D, 145.
Barrows, W. B. 1885 A, 321 ("owls").
Beddard, F. E. 1888 B, 335.
1898 A, 244.
Bittner, F. 1912 A, 2 ("eulen").
Blainville, H. M. D. 1821 A, 193 ("oiseaux de proie nocturnes").
Bonaparte, C. L. 1832 A, 296 (Striginæ).
1833 A, 1047 ("hibous").
Brandt, J. F. 1853 A, 225 ("rapaces nocturnæ").
Carus, V. 1868 A, 75, 303 (Strigomorphæ).
Chandler, A. C. 1914 B, 141.
1916 C.
Dabbene, R. 1910 A, 489 (Strigiformes).
Diethelm, M. 1907 A, 1 (Strigiformes).
Duméril, A. M. C. 1906 A, 34 (Nocturni).
Evans, A. H. 1899 A, 397.
Fürbringer, M. 1888 A.
1902 B, 690.
Gadow, H. 1893 A, 235.
1910 B, 977.
Gemminger, M. 1852 A, 216 ("eulen").
Grote, H. 1902 A, 60 ("eulen").
Heusinger, C. F. 1822 A.
Knowlton, F. H. 1909 B, 511.
Köstlin, O. 1844 A ("eulen").
Lambrecht, K. 1914 A, 70, 71.
Lebedinsky, N. G. 1913 A (Strigiformes).
Lebedinsky, N. G. 1918 A, 37 (Strigiformes).
1918 B, 140, 146 (Strigiformes).
Lydekker, R. 1891 A, 12.
Macartney, J. 1802, Lectures on Comp. Anat., tab. ii (Nycterides).
Miller, L. H. 1925 B, 103.
Miller, W. D. 1924 A, 2 ("birds of prey").
Müller, W. 1907 A, 406.
Newton, A. 1885 A, 47.
Newton and Gadow 1896 A, 1084.
Owen, R. 1866 B (Raptores).
Pander and Alton 1838 A, 17 ("nachtraubvögel").
Pycraft, W. P. 1902 A, 292, 314.
1903 B, 1.
1910 A, 60, 439.
Rafinesque, C. S. 1815 A, 69 (Ornyctia).
Ridgway, R. 1914 A, 594.
Sclater, P. L. 1879 A, 346, 451.
Sharpe, R. B. 1891 A, 79.
Shufeldt, R. W. 1896 A, 370 ("owls").
1900 B, 719.
1909 A, 7.
Steiner, H. 1916 A, 493, 499.
1918 A, 389, 441, 494.
1922 A, 328.
Sushkin, P. P. 1899 A, 500.
1899 B, 153.
Taschenberg, O. 1899 A, 4305.
Vialleton, L. 1916 A, 7.
Wagler, J. G. 1830, Syst. Amph., 80.
Wagner, R. 1843 A, 79 ("eulen").
Wetmore and Miller 1926 A, 344.
Wilbrand, J. B. 1823 A, 511 ("raubvögel").
Wray, R. S. 1887 A, 348.

Tytonidæ Ridgway.

Ridgway, R. 1914 A, 600.
A. O. U. 1910 A, 168 (Aluconidæ).
Coues, E. 1884 A, 498, 500 (Aluconidæ).
Gadow, H. 1891 A, 236, 301 (Striginæ).
Knowlton, F. H. 1909 B, 514 (Striginæ).
Ridgway, R. 1887 A, 255 (Strigidæ).
Wetmore and Miller 1926 A, 344.

Tyto Billberg. Type *Strix flammea* Linnæus.

Billberg, G. J. 1828, Synop. Fauna Scand., i, pt. ii, tab. A.
Knowlton, F. H. 1909 B, 514 (Strix).
Magnan, A. 1922 A, 131, pls. i, ii, xii, xiv; text-fig. 2.
Newton and Gadow 1896 A, 1084 (Strix).
Pander and Alton 1838 A, 19 (Strix).
Ridgway, R. 1887 A, 255, pl. lxxiv (Strix).
1914 A, 600.
Shufeldt, R. W. 1900 D, 147, pls. xvii, xviii (Syrnium).
Wetmore, A. 1922 A, 458.

Tyto perlata pratincola (Bonaparte).

Bonaparte, C. L. 1838, Geol. and Comp. List, 7 (Strix).
A. O. U. 1910 A, 168 (Aluco).
Fürbringer, M. 1888 A, pl. vi (Strix pratincola).
Hay, O. P. 1923 A, 382 (Aluco pratincola).
1927 D, 187 (T. pratincola).
Knowlton, F. H. 1909 B, 514, fig. 159 (Strix pratincola).
Miller, L. H. 1909 B, 306 (Aluco).
1910 C, 11 (Aluco pratincola).
1912 A, 78, 84, 114 (Aluco).

Miller, L. H. 1916 B, 99 (Aluco).
1925 B, 103 (Aluco pratincola).
Osborn, H. F. 1925 D, 541 (T. pratincola).
Ridgway, R. 1887 A, 255 (Strix pratincola).
1914 A, 605.
Shufeldt, R. W. 1900 B, 672, 675, fig. 3 (Aluco).
1916 E, 18 (Tito).
1917 B, 38, pl. i, figs. 7, 8 (Tito).
Recent; North America; Pleistocene (Rancho La Brea); California; Florida.

STRIGIDÆ Vigors.

Vigors, N. A. 1825 A, 425.
Hay, O. P. 1902 A, 536.
Adolphi, H. 1922 A, 392 (Buboninæ).
Allen, J. A. 1871 A.
Arldt, T. 1907 D, 683.
1912 A, 708, 752.
Barrows, W. B. 1885 A, 325 (Striginæ).
Beddard, F. E. 1888 B, 335.
Beebe, C. W. 1906 A, 492 ("owls").
Beyer, H. 1908 A, 247, fig. 18 (Strix).
Blanchard, E. 1859 A, 60 (Strix).
Bonaparte, C. L. 1831 A, 30 (Striginæ).
1838 B, 116 (Buboninæ).
1840 A, 261 (Buboninæ).
Brandt, J. F. 1853 A, 226 (Strigidæ); 230 (Buboninæ).
Dabbene, R. 1910 A, 489.
Engelmann, O. 1910 A, 487 (Strix).
Evans, A. H. 1899 A, 398 (Strigidæ); 404 (Buboninæ).
Fürbringer, M. 1888 A (Strigidæ); 1306 (Striginæ, Asioninæ).
1902 B, 691 (Bubonidæ); 724 (Strigidæ).
Gadow, H. 1893 A, 235.
Garrod, A. H. 1873 D, 635.
1874 A, 117.
Gegenbaur, C. 1863 A, 471 (Strix).
1871 A, 189 ("strigiden").
Gervais, P. 1856 A, 8 ("strigidés").
Giebel, C. G. 1855 B, 38 ("eulen").
Hesse, H. 1907 A, 219.
Heusinger, C. F. 1822 A, 177 ("eulen").
Huxley, T. H. 1867 A, 462.
1867 C, 280.
Kessler, K. T. 1841 A, 489 ("eulen").
Kleinschmidt, O. 1902 A, 640, figs. 1, 2 ("eulen").
Knowlton, F. H. 1909 B, 516, 521 (Buboninæ).
Lebedinsky, N. G. 1913 A (Strigidæ, Buboninæ).
Leunis and Ludwig 1883 A, 417 (Strigidæ).
L'Herminier, F. 1836 A ("chouettes").
Lobley, J. L. 1908 A, 201, 207.
Lühder, W. 1871 A, 329.
Magnus, H. 1871 A.
Meckel, J. F. 1825 A ("eulen").
Newton and Gadow 1896 A, 1076 ("owls").
Owen, R. 1868 A, 909.
Parker, W. K. 1875 D, 138 (Strigidæ).
Pycraft, W. P. 1902 A, 292 (Bubonidæ); 293 (Strigidæ).
1902 B, 324 ("owls").
1903 A, 38 (Asioninæ); 39 (Asionidæ).
1903 B, 39 (Strigidæ); 2, 39 (Buboninæ).
Reichenow, A. 1913 A, 415.
Ridgway, R. 1887 A, 218, 255 (Bubonidæ).
1914 A, 617.
Sclater, P. L. 1879 A, 346, 351.
Shufeldt, R. W. 1881 D, 117.
1900 D, 119 (Strigidæ).
1904 B, 854 (Strigidæ, Bubonidæ).
1909 A, 7.
Wallace, A. R. 1894 A, I, 441; II, 350.

Otus Pennant. Type *O. bakkamœna* Pennant.

Pennant, T. 1769, Indian Zoology, 3.
A. O. U. 1910 A, 172.
Beyer, H. 1907 B, 301, fig. 15.
Blanchard, E. 1859 A, 62.
Cuvier, G. 1805 A.
Eyton, T. C. 1867 A, 30.
Huxley, T. H. 1867 C, 260, fig. 23.
Leunis and Ludwig 1883 A, 419.
Ridgway, R. 1887 A, 256, 260 (Megascops).
1914 A, 681.
Selenka, E. 1869 A, 54.
Weitzel, A. 1865 A, 326 (Strix).

Otus asio bendirei (Brewster).

Brewster, W. 1882, Bull. Nuttall Orn. Club, VII, 31 (Scops).
A. O. U. 1910 A, 173.
Hay, O. P. 1927 D, 187 (O. asio).
Knowlton, F. H. 1909 B, 527, fig. 164 (Megascops).
Miller, L. H. 1911 C, 395, 399 (O. asio).
1912 A, 71, 78, 84, 114 (O. asio).
1916 B, 100.
1925 B, 103 (O. asio).
Osborn, H. F. 1925 D, 541 (O. asio).
Parker, W. K. 1875 A, 713 (Asio otus).
Ridgway, R. 1887 A, 262 (Megascops).
1914 A, 701.
Recent; southwestern Oregon and California: Pleistocene (La Brea and caves); California.

Bubo Duméril. Type *Strix bubo* Linnæus.

Duméril, A. M. C. 1806, Zool. Analyt., 34.
Hay, O. P. 1902 A, 536.
Adolphi, H. 1922 A, 398, fig. 62.
Aeby, C. 1873 A, 702 (Strix).
Allen, J. A. 1893 B, 99.
Barrows, W. B. 1885 A, 327.
Beddard, F. E. 1888 B, 336, fig. 2.
1898 A, 536, figs. 126, 128.
Beebe, C. W. 1915 B, 46.
Bignon, F. 1889 A.
Blanchard, E. 1859 A, 63.
Brandt, J. F. 1853 A, 231.
Chandler, A. C. 1916 C, 371, pl. xxxii, fig. 84a.
Dabbene, R. 1910 A, 251.
Diethelm, M. 1907 A, 6, figs. 2a, 2c.
Döderlein, L. 1902 A, 438.

Eyton, T. C. 1867 A, 31, pl. iv, fig. 9.
Fürbringer, M. 1888 A, pls. iii, vi, vii.
Gaillard, C. 1908 A, 34.
Gegenbaur, C. 1871 A, 190.
Giebel, C. G. 1855 B, 38 (Strix).
Heusinger, C. F. 1822 A, 179 ("schuhu").
Knowlton, F. H. 1909 B, 521.
Leunis and Ludwig 1883 A, 419.
Mackie, S. J. 1863 C, 106.
Magnan, A. 1922 A, 177, pls. iv, xi.
Miller, L. H. 1916 B, 100.
1921 B, 263.
Newton and Gadow 1896 A, 1062.
Pander and Alton 1838 A, 20, 23 (Strix).
Pycraft, W. P. 1903 B, 4, 40.
Reichenow, A. 1913 A, 418.
Ridgway, R. 1887 A, 256, 262, pl. lxxvi.
1914 A, 736.
Sclater, P. L. 1879 A, 349.
Shufeldt, R. W. 1900 B, 667.
1900 D, 124, 140.
1915 D, 45.
Sundevall, C. J. 1886 A, 392 (Strix); 410 (Bubo).
Wallace, A. R. 1876 A, II, 350.
Weitzel, A. 1865 A, 327.
Zittel and Schlosser 1911 A, 325.
1923 A, 401.

Bubo leptosteus Marsh.

Hay, O. P. 1902 A, 536.
Lambrecht, K. 1921 A, 96.
Shufeldt, R. W. 1915 D, 33, 77, pl. ii, fig. 18.
Middle Eocene (Bridger); Wyoming.

Bubo sinclairi Miller.

Miller, L. H. 1911 C, 393, 399, figs. 4, 5.
Hay, O. P. 1927 D, 216.
Miller, L. H. 1912 A, 71, 73, 114.
Pleistocene (Caves); California.

Bubo virginianus pacificus Cassin.

Cassin, J. 1854, Illustr. Birds Calif., etc., 178.
Hay, O. P. 1902 A, 536 (B. virginianus).
1927 D, 187, 198, 216, 244.
Husband, R. A. 1924 A, 220, figs. 54-56 (B. virginianus).
Knowlton, F. H. 1909 B, 521, fig. 162 (B. virginianus).
Lippincott, W. A. 1920 A, 535 (B. virginianus).
Miller, L. H. 1909 B, 306 (B. virginianus).
1910 C, 11 (B. virginianus).
1911 C, 393, 399 (B. virginianus).
1912 A, 73, 78, 81, 84, 114 (B. virginianus).
1916 B, 100, fig. 1 (B. v. pacificus).
1925 A, 324 (B. virginianus).
1925 B, 67 (B. pacificus, B. saturatus).
1927 A, 156 (B. virginianus).
Osborn, H. F. 1925 D, 541 (V. virginianus).
Ridgway, R. 1887 A, 263 (B. virginianus, B. v. saturatus).
1914 A, 745 (B. v. pacificus).
Shufeldt, R. W. 1881 D, 114 (B. virginianus).
1900 B, pls. x, xi; pl. xii, fig. 10; pl. xv, fig. 20; text-fig. 5 (B. virginianus).
1909 A, 75 (B. virginianus).
1913 B, 157 (B. virginianus).
Weitzel, A. 1865 A, 327, 359 (B. virginianus).
Recent; Bubo virginianus in greater part of North and South America. B. virginianus pacificus in California, Oregon: Pleistocene (Fossil Lake); Oregon; (La Brea and caves); California.

Glaucidium Boie. Type *Strix passerina* Linnæus.

Boie. F. 1826, Isis, xix, 970.
Adolphi, H. 1922 A, 404.
A. O. U. 1910 A, 177.
Barrows, W. B. 1885 A, 328, fig. 152.
Blanchard, E. 1859 A, 64.
Fürbringer, M. 1888 A, pls. iii, iv, vi, vii.
Gadow, H. 1891 A.
Knowlton, F. H. 1909 B, 538.
Lambrecht, K. 1914 A, 70.
Pycraft, W. P. 1903 B, 36, 41.
Reichenow, A. 1913 A, 429.
Ridgway, R. 1873 A, 91.
1887 A, 257, 266, pl. lxxv.
1914 A, 779.
Selenka, E. 1869 A, pl. xvi.
Shufeldt, R. W. 1900 D, 132, 136, pl. xv.
1916 A, 667.

Glaucidium gnoma Wagler.

Wagler, J. G. 1832, Isis, xxv, 275.
Hay, O. P. 1927 D, 187, 216.
Knowlton, F. H. 1909 A, 538.
Miller, L. H. 1911 C, 395, 400.
1912 A, 73, 84, 114.
1925 B, 104.
Ridgway, R. 1873 A, 93.
1887 A, 266.
1914 A, 785.
Recent; British Columbia to Guatemala: Pleistocene (Samwel cave); California.
This is probably *G. g. californicum* Sclater. (Sclater, 1857, Proc. Zool. Soc. Lond., 4, G. californicum).

Micropallas Coues. Type *Athene whitneyi* Cooper.

Coues, E. 1889, Auk. vi, 71.
A. O. U. 1910 A, 178.
Knowlton, F. H. 1909 B, 539.
Ridgway, R. 1887 A, 257, 266, pl. lxxv (Micrathene, preoccupied).
1914 A, 806.
Shufeldt, R. W. 1900 B, 718.
1916 A, 667.

Micropallas whitneyi (Cooper).

Cooper, J. G. 1861, Proc. Calif. Acad. Sci. I, 118 (Athene).
A. O. U. 1910 A, 178.
Hay, O. P. 1927 D, 216.
Knowlton, F. H. 1909 A, 539.
Miller, L. H. 1911 C, 395, 400.

Miller, L. H. 1912 A, 73, 97, 114.
Ridgway, R. 1887 A, 267 (Micrathene).
1914 A, 807.
Shufeldt, R. W. 1900 B, 717, pl. xiv, figs. 17, 18.
Recent; southeastern United States and northern New Mexico: Pleistocene (Samwel Cave); California.

SPEOTYTO Gloger. Type *Strix cunicularia* Molina.

Gloger, C. W. L. 1842, Hand- und Hilfsbuch, 226.
Allen, J. A. 1893 B, 110.
A. O. U. 1910 A, 177.
Barrows, W. B. 1885 A, 324, fig. 150.
Beddard, F. E. 1888 B, 336.
Fürbringer, M. 1888 A.
Knowlton, F. H. 1909 B, 536.
Pycraft, W. P. 1903 B, 2, 40.
Ridgway, R. 1887 A, 257, 265, pl. lxxvii.
1914 A, 812.
Shufeldt, R. W. 1880 A, 87.
1900 B, 683.
1909 A, 380.

Speotyto cunicularia hypugæa (Bonaparte).

Bonaparte, C. L. 1825, Amer. Ornith., 72 (Strix).
A. O. U. 1910 A, 177 (S. c. hypogæa).
Coolidge, D. 1904 A, 330.
Hay, O. P. 1927 D, 187, 198 (S. cunicularia).
Knowlton, F. H. 1909 B, 536 (S. cunicularia).
Miller, L. H. 1909 B, 306 (S. cunicularia).
1912 A, 78, 114.
1916 B, 104 (S. cunicularia).
1925 A, 324 (S. cunicularia).
1925 B, 104 (S. cunicularia).
Osborn, H. F. 1925 D, 541 (S. cunicularia).
Pycraft, W. P. 1903 B, 15, pl. i, figs. 4, 14, 16; pl. ii, figs. 3, 6, 8 (S. cunicularia).
Ridgway, R. 1887 A, 265 (S. c. hypogæa).
1914 A, 814.
Shufeldt, R. W. 1881 D, 87, pls. i, ii.
1900 B, 681 (S. cunicularia).
Recent; Pacific Coast to Minnesota and Louisiana: Pleistocene (La Brea); California.

Speotyto sp. indet.

Miller, L. H. 1910 C, 11. Pleistocene (La Brea); California.

ASIO Brisson. Type *Asio asio* Brisson.

Brisson, M. J. 1760, Ornith., I, 477.
A. O. U. 1910 A, 169.
Beddard, F. E. 1888 B, 336.
1898 A, 252.
Eyton, T. C. 1867 A, pl. iv, fig. 7; pl. vi, fig. 12.
Foote, J. S. 1916 A, 72.
Gaillard, C. 1908 A, 35.
Lambrecht, K. 1914 A, 70.
Magnan, A. 1922 A, 166.
Miller, L. H. 1916 B, 102.
Newton and Gadow 1896 A, 1060.
Pycraft, W. P. 1903 A, 7, 39.
Ridgway, R. 1887 A, 256, 257, pl. lxxiv.
1914 A, 654.
Shufeldt, R. W. 1900 B, 667.
1900 D, 125, 142, pls. xv, xvi.
1909 A, 28, 80.
Steiner, H. 1918 A, 392.

Asio flammeus (Pontoppidan).

Pontoppidan, E. 1763, Danske Atlas, I, 617, pl. xxv (Strix).
Barrows, W. B. 1885 A, 346, fig. 157 (Aluco).
Bignon, F. 1889 A, 284 (Strix).
Fürbringer, M. 1888 A, pls. vi, vii (Strix).
Hay, O. P. 1927 D, 157.
Heusinger, C. F. 1822 A, 179 (Strix).
Knowlton, F. H. 1909 B, 516 (Strix).
Miller, L. H. 1909 B, 306 (A. accipitrinus).
1910 C, 11 (A. accipitrinus).
1912 A, 78, 114.
1916 B, 102, 103.
1925 B, 104.
Osborn, H. F. 1925 D, 541.
Pander and Alton 1838 A, 22, 23.
Parker, W. K. 1875 A, 713 (Aluco).
1875 D, 38, pl. xxiv, figs. 5-9 (Aluco).
Ridgway, R. 1887 A, 258 (A. accipitrinus).
1914 A, 661.
Selenka, E. 1869 A, pl. ii, fig. 11; pl. xvi, fig. 14 (Strix).
Shufeldt, R. W. 1900 B, 674, fig. 1.
1900 D, 130 (Strix).
Steiner, H. 1918 A, 392, fig. 38 (Asio otus).
Recent; nearly cosmopolitan: Pleistocene (La Brea); California.

Asio wilsonianus (Lesson).

Lesson, R. P. 1831, Traité d'Ornith., 110 (Otus).
Foote, J. S. 1916 A, 72, pl. vii.
Hay, O. P. 1927 D, 216.
Knowlton, F. H. 1909 B, 518.
Miller, L. H. 1909 B, 306.
1911 C, 395, 399.
1912 A, 73, 84, 114.
1916 B, 102, 103.
1925 B, 104.
Osborn, H. F. 1925 D, 541.
Ridgway, R. 1887 A, 257.
1914 A, 654.
Shufeldt, R. W. 1900 B, pl. xv, figs. 22, 23; pl. xvii, text-fig. 6.
1909 A, 28, 80.
Recent; temperate portion of North America: Pleistocene (La Brea, Samwel cave); California.

Asio sp. indet.

Miller, L. H. 1910 C, 11. Pleistocene (La Brea); California.

MINERVA Shufeldt. Type *M. antiqua* Shufeldt.

Shufeldt, R. W. 1915 D, 43.
Wetmore, A. 1922 A, 457.
Zittel and Schlosser 1923 A, 401.

Minerva antiqua Shufeldt.

Shufeldt, R. W. 1915 D, 42, pl. xv, figs. 131-136, 148-152, 154.
Lambrecht, K. 1921 A, 96.
Wetmore, A. 1922 A, 457.
Middle Eocene (Bridger); Wyoming.

Minerva saurodosis Wetmore.

Wetmore, A. 1922 A, 455, 2 figs.
Leidy, J. 1873 B, 182, pl. xv, fig. 14 (Saniva major, in part; humerus).
Wetmore, A. 1926 E, 525.
1928 A, 151.
Middle Eocene (Bridger); Wyoming.

Suborder PICIFORMES Garrod.

Garrod, A. H. 1874 A, 117.
Hay, O. P. 1902 A, 536 (Picariæ).
Adolphi, H. 1922 A, 411 (Pici).
A. O. U. 1910 A, 185 (Pici).
Arldt, T. 1907 D, 673 (Picariæ).
Beddard, F. E. 1893 A, 507 ("woodpeckers").
Blanchard, E. 1859 A, 126 ("pics").
Carus, V. 1875 A, 242 (Pici).
Chandler, A. C. 1914 B, 141 (Picariæ).
Cope, E. D. 1891 N, 58, 60 (Picoidæ).
Coues, E. 1884 A, 476.
Dabbene, R. 1910 A, 485.
Evans, A. H. 1899 A, 445 (Pici).
Fürbringer, M. 1902 B, 716, 724 (Pici).
Gadow, H. 1892 A, 234, 253 (Pici).
1893 A, 259 (Pici).
1910 B, 978 (Pici).
Garrod, A. H. 1872 A, 357 ("woodpeckers").
Huxley, T. H. 1867 C, 285 (Celeomorphæ).
Illiger, C. 1811 A, 205 (Sagittilingues).
Kessler, K. T. 1841 A, 626 ("klettervögel").
Knowlton, F. H. 1909 B, 576 (Pici).
Lambrecht, K. 1914 A, 70, 73 (Pici).
Leunis and Ludwig 1883 A, 352 (Picariæ).
Lobley, J. L. 1908 A, 197 (Picariæ).
Lydekker, R. 1879 A, 13, 27 (Picariæ, Celeomorphæ).
Miller, W. D. 1924 A, 2 ("woodpeckers").
Newton, A. 1885 A, 47 (Pici).
Newton and Gadow 1896 A, 1078 (Picariæ).
Parker, W. K. 1875 A, 700, 716 (Celeomorphæ).
Pycraft, W. P. 1910 A, 59 (Pici).
Ridgway, R. 1887 A, 280 (Pici).
1914 A, 1 (Picariæ).
Sharpe, R. B. 1891 A, 84.
1891 D, 122 (Pici).
1896 A, 371 ("woodpeckers").
Shufeldt, R. W. 1900 C, 578 (Pici).
Steiner, H. 1916 A, 493 (Pici).
1918 A, 413, 441, 494 (Pici).
Stejneger, L. 1885 A, 368 (Picariæ).
Vialleton, L. 1916 A, 7.
Wagner, R. 1843 A, 79 (Picariæ).
Wallace, A. R. 1876 A, I, 500; II, 302, 322 (Picariæ).
Wetmore and Miller 1926 A, 344.
Zittel and Lucas 1902 A, 277 (Picariæ).
Zittel and Schlosser 1911 A, 324 (Picariæ).
1923 A, 401 (Picariæ).

Superfamily PICOIDÆ, new name.

Sharpe, R. B. 1891 A, 84 (Pici).
Wetmore and Miller 1926 A, 345 (Pici).

PICIDÆ Vigors.

Vigors, N. A. 1825 A, 452.
Adolphi, H. 1922 A, 411.
Allen, J. A. 1871 A.
Blanchard, E. 1859 A, 127.
Bonaparte, C. L. 1831 A, 30.
1838 B, 117 (Picinæ).
1840 A, 271.
Carus, V. 1875 A, 245.
Dabbene, R. 1910 A, 485.
Evans, A. H. 1899 A, 457.
Fürbringer, M. 1888 A.
1902 B, 718.
Gadow, H. 1892 A, 253.
1893 A, 268.
1910 B, 978.
Garrod, A. H. 1874 A, 117.
Gaupp, E. 1905 D, 1026 (Picus).
Gemminger, M. 1852 A, 216 ("spechte").
Giebel, C. G. 1855 B, 36 ("spechte").
Hesse, H. 1907 A, 222.
Huxley, T. H. 1867 A, 450, 467, fig. 30.
1867 C, 267.
Knowlton, F. H. 1909 B, 587.
Köstlin, O. 1844 A ("klettervögel").
Leunis and Ludwig 1883 A, 354.
Lobley, J. L. 1908 A, 201, 206.
Lühder, W. 1871 A, 327.
Magnus, H. 1871 A, 46, 88.
Meckel, J. F. 1825 A ("klettervögel").
Owen, R. 1866 B, 58, fig. 33.
Parker, W. K. 1875 C.
Reichenow, A. 1914 A, 61.
Ridgway, R. 1887 A, 280.
1914 A, 4.
Selenka, E. 1869 A, 57.
Shufeldt, R. W. 1891 D, 128.
1900 C, 579.
Steiner, H. 1918 A, 494.
Stejneger, L. 1885 A, 426 (Picinæ).
Taschenberg, O. 1899 A, 4233.
Tristram, H. B. 1888 A, 208.
Wallace, A. R. 1894 A, 441.
Weitzel, A. 1865 A, 331 (Picus).
Wetmore and Miller 1926 A, 345 (Picidæ, Picinæ).

UINTORNIS Marsh. Type *U. lucaris* Marsh.

Hay, O. P. 1902 A, 536.
Wallace, A. R. 1876 A, I, 163.
The systematic position of this bird is in doubt.

Uintornis lucaris Marsh.

Hay, O. P. 1902 A, 536.
Lambrecht, K. 1921 A, 89.
Shufeldt, R. W. 1915 D, 50, 77, pl. vi, fig. 42.
Middle Eocene (Bridger); Wyoming.

COLAPTES Vigors. Type *Cuculus auratus* Linnæus.

Vigors, N. A. 1825 A, 457.
Allen, J. A. 1893 B, 117.
Leunis and Ludwig 1883 A, 357.
Newton and Gadow 1896 A, 1064.
Ridgway, R. 1887 A, 280, 295, pl. lxxxvi.
1914 A, 12.
Shufeldt, R. W. 1891 D, 126.
1900 C, 581.
Wallace, A. R. 1876 A, II, 304.
Weitzel, A. 1865 A, 332.

Colaptes cafer collaris Vigors.

Vigors, N. A. 1829, Zool. Jour., IV, 354.
Hay, O. P. 1927 D, 187, 216, 223.
Knowlton, F. H. 1909 B, 590.
Miller, L. H. 1911 C, 398, 400.
1912 A, 71, 73, 75, 78, 84.
1925 B, 105 (C. cafer).
1927 A, 156 (C. cafer).
Osborn, H. F. 1925 D, 542 (C. cafer).
Ridgway, R. 1914 A, 29.
Recent; Pacific Coast of United States: Pleistocene (La Brea and Caves); California.

Suborder PASSERIFORMES Garrod.

Garrod, A. H. 1874 A, 117, 122.
Hay, O. P. 1902 A, 536 (Passeres).
Abel, O. 1919 A, 708.
Adolphi, H. 1922 A, 418.
Beddard, F. E. 1898 A, 172 (Passeres).
Beer, G. R. 1926 A, 322, figs. 94, 95, 97, 123 (Passer).
Bittner, F. 1912 A, 2 (Passeres).
Bonaparte, C. L. 1831 A, 30 (Passeres).
1832 A, 296 (Passeres).
1833 A, 1042 ("passereaux").
Bonsdorff, E. J. 1871 A, 310 (Passeres).
Carus, V. 1875 A, 258 (Passerinæ).
Chandler, A. C. 1914 B, 141 (Passeres).
1916 C, 380, 391.
Clark, H. L. 1901 A, 378 ("passeriforms").
Cope, E. D. 1891 N, 60, 64 (Passeroidei).
Cuvier, G. 1805 A.
Dabbene, R. 1910 A, 484.
Eimer, G. H. T. 1901 A, 212 (Passeres).
Evans, A. H. 1899 A, 466.
Finn, F. 1894 B, 454 (Passeres).
Forbes, W. A. 1881 A, 5, fig. 6 ("passerine birds").
Fürbringer, M. 1902 B, 707, 724 (Passeres).
Gadow, H. 1893 A, 270.
1910 B, 978 (Passeres).
Gegenbaur, C. 1871 A, 193 (Coracomorphæ).
Gervais, P. 1856 A, 8 ("passereaux").
Giebel, C. G. 1855 B, 32 ("singvögel").
Hilzheimer, M. 1913 A, 517 (Coracornithes).
Hoernes, R. 1886 A, 645 (Passerinæ).
Huxley, T. H. 1867 A, 469 (Coracomorphæ).
1867 C, 267, 288 (Coracomorphæ).
Kessler, K. T. 1841 A, 493 (Passeres).
Knopfli, W. 1917 A, 51 (Passeres).
Knowlton, F. H. 1909 B, 603.
Köstlin, O. 1844 A ("passerineen").
Lambrecht, K. 1914 A, 72, 73.
Lebedinsky, N. G. 1913 A.
1918 A, 41.
1918 B, 144, 146
Leunis and Ludwig 1883 A, 364 (Passeres).
L'Herminier, F. 1836 A, 111-("passereaux").
Lobley, J. L. 1908 A, 197 (Passeres).
Lucas, F. A. 1894 A, 208 (Passeres).
1902 H, 95 (Passeres).
Lydekker, R. 1879 A, 26 (Coracomorphæ).
Marinelli, W. 1928 A, 155.
Meckel, J. F. 1825 A ("singvögel").
Miller, L. H. 1925 B, 105 (Passeres).
Miller, W. D. 1924 A, 1, 2 (Passeres).
Mitchell, P. C. 1894 A, 213 (Passeres).
Newton, A. 1885 A.
Newton and Gadow 1896 A, 1077 (Passeres).
Nitzsch, C. L. 1862 A, 389 ("passerinen").
Parker, W. K. 1875 A, 700, 712, 720 (Coracomorphæ).
1875 D, 104 (Coracomorpha).
1888 B, 323 (Passerinæ).
1888 D, 468 ("passerines").
Pycraft, W. P. 1901 A, 351.
1910 A, 56, 60 (Passeres).
Reynolds, S. H. 1897 A, 328 (Passeres).
Ridgway, R. 1887 A, 321 (Passeres).
1901 A, 12.
Sclater, P. S. 1858 A (Passeres).
Sharpe, R. B. 1891 A, 85.
Shufeldt, R. W. 1896 A, 362, 371 (Passeres).
1904 B, 855.
1904 C, 316 (Passeres).
Steiner, H. 1916 A, 493, 496 (Passeres).
1918 A, 420, 494 (Passeres).
1922 A, 326 (Passeres).
Sundevall, C. J. 1886 A, 402 (Passeres).
Vialleton, L. 1916 A, 7.
Wagner, R. 1843 A, 79 (Passerinæ).
Wallace, A. R. 1864 A, 37 (Passeres).
1876 A, I, 500, II, 255, 299 (Passeres).
Wetmore and Miller 1926 A, 345.
Wray, R. S. 1887 A, 348 (Passeres).
Zittel and Lucas 1902 A, 278 (Passeres).
Zittel and Schlosser 1911 A, 325 (Passeres).
1923 A, 401 (Passeres).

Superfamily FORMICAROIDÆ, new form.

Reichenow, A. 1914 A, 229 (Formicariidæ).
Ridgway, R. 1907 A, 331 (Tracheophonæ).
Stejneger, L. 1885 A, 460, 476 (Formicaroideæ).

PTEROPTOCHIDÆ Cabanis and Heine.

Cabanis and Heine 1860, Mus. Heineanum, II Theil, 20.
Gadow, H. 1893 A, 277.
1910 B, 978.
Knowlton, F. H. 1909 B, 638.
Reichenow, A. 1914 A, 234.
Ridgway, R. 1917 A, 7.
Shufeldt, R. W. 1913 D, 648.

HEBE Shufeldt. Type *H. schucherti* Shufeldt.

Shufeldt, R. W. 1913 D, 644.
The family position of this genus is doubtful.

Hebe schucherti Shufeldt.

Shufeldt, R. W. 1913 D, 644, fig. 10.
Lambrecht, K. 1921 A, 93.
Eocene (Green River); Wyoming.

Superfamily FRINGILLOIDÆ, new name.

Gadow, H. 1893 A, 276 (Oscines).
1910 B, 978 (Oscines).
Lambrecht, K. 1921 A, 89 (Passeridæ).
Leunis and Ludwig 1883 A, 369 (Oscines).
Lühder, W. 1871 A, 324 (Oscines).
Magnus, H. 1871 A (Oscines).
Newton, A. 1885 A, 47 (Oscines).
Ridgway, R. 1901 A, 17 (Oscines).
Sharpe, R. B. 1891 A, 85 (Oscines).
Steiner, H. 1918 A, 421, 494 (Oscines).
Stejneger, L. 1885 A, 481 (Passeroideæ).
Sundevall, C. J. 1886 A, 450 (Oscines).
Wetmore and Miller 1926 A, 345 (Oscines).

ALAUDIDÆ Boie.

Boie, F. 1826 A, col. 974.
Bonaparte, C. L. 1831 A, 49 (Alaudinæ).
Carus, V. 1875 A, 279.
Coues, E. 1884 A, 280.
Harting, P. 1866 A, 24.
Hesse, H. 1907 A, 236.
Knowlton, F. H. 1909 B, 644.
Lambrecht, K. 1914 A, 72.
Leunis and Ludwig 1883 A, 380.
Lobley, J. L. 1908 A, 201, 206.
Parker, W. K. 1875 A, 716 (Alauda).
Ridgway, R. 1887 A, 321, 346.
1901 A, 23.
1907 A, 289.
Sharpe, R. B. 1891 A, 86.
Sundevall, C. J. 1886 A, 402 (Alaudæ).
Wallace, A. R. 1876 A, II, 289.
1894 A, 440.
Wetmore, A. 1925 A, 189, 191.
Wetmore and Miller 1926 A, 345.

OTOCORIS Bonaparte. Type *Alauda alpestris* Linnæus.

Bonaparte, C. L. 1838, Nuovi Ann. Sci. Nat. (Bologna), II, 407.
Allen, J. A. 1893 B, 110.
A. O. U. 1910 A, 219.
Blanchard, E. 1859 A, 85 (Alauda).
Coues, E. 1884 A, 281 (Eremophila).
Fürbringer, M. 1888 A, 59 (Eremophila).
Kingsley, J. S. 1925 A, 56, fig. 63 (Eremophila).
Knowlton, F. H. 1909 B, 645.
Leunis and Ludwig 1883 A, 381 (Otocorys).
Newton and Gadow 1896 A, 1059 (Alauda).
Ridgway, R. 1887 A, 346, 347, pl. xcvi.
1907 A, 295.
Shufeldt, R. W. 1881 E, 119 (Eremophila).
Wallace, A. R. 1876 A, II, 444 (Eremophilus).

Otocoris alpestris (Linnæus).

Linnæus, C. 1758 A, 166 (Alauda).
A. O. U. 1910 A, 219.
Hay, O. P. 1927 D, 187.
Miller, L. H. 1912 A, 78, 114.
1921 C, 130.
Ridgway, R. 1887 A, 348.
1907 A, 303.
Shufeldt, R. W. 1881 E, 119, pl. iv (Eremophila).
Recent; North America and northern parts of South America, Europe, Asia, and Africa: Pleistocene (La Brea); California. Identity of remains found at La Brea, California, doubtful.

Otocoris sp. indet.

Miller, L. H. 1925 B, 105 (This genus?). Pleistocene (La Brea); California.

HIRUNDINIDÆ Vigors.

Vigors, N. A. 1825 A, 468.
A. O. U. 1910 A, 290.
Coues, E. 1884 A, 319.
Huxley, T. H. 1867 A, 456 ("swallows").
Knowlton, F. H. 1909 B.
Lambrecht, K. 1914 A, 72.
Pycraft, W. P. 1907 A, 352.
Ridgway, R. 1887 A, 322, 457.
Selenka, E. 1869 A, 75, 80, pls. ii, iii, xvi (Hirundo).
Stejneger, L. 1885 A, 507.
Sundevall, C. J. 1886 A, 404.
Wetmore and Miller 1926 A, 345

PETROCHELIDON Cabanis. Type *Hirundo melanogaster* Swainson.

Cabanis, J. L. 1851, Mus. Hein., I, 47.
A. O. U. 1910 A, 291.
Coues, E. 1884 A, 323.
Reichenow, A. 1914 A, 248.
Ridgway, R. 1887 A, 457, 459, pl. cxiv.

Petrochelidon lunifrons (Say).

Say, T. 1823, in Long's Exped., II, 47 (Hirundo).
A. O. U. 1910 A, 291.
Coues, E. 1884 A, 323, fig. 183.
Hay, O. P. 1927 D, 198.
Knowlton, F. H. 1909 B, 709.
Miller, L. H. 1925 A, 241.
Osborn, H. F. 1925 D, 542.
Ridgway, R. 1887 A, 460.
Stejneger, L. 1885 A, 507.
Recent; North America: Pleistocene (McKittrick); California.

CORVIDÆ Vigors.

Vigors, N. A. 1825 A, 445.
Hay, O. P. 1902 A, 537.
Allen, J. A. 1871 A.
Arldt, T. 1907 D, 647.
1912 A, 706, 752.
Blainville, H. M. D. 1821 A, 203 ("corbeaux").
Blanchard, E. 1859 A, 95 ("corbeaux").
Bonaparte, C. L. 1831 A, 31.
1840 A, 269.
Dabbene, R. 1910 A, 473, figs. 41, 57.
Evans, A. H. 1899 A, 552.
Grote, H. 1902 A, 60 ("raben").
Heilprin, A. 1887 A, 65.
Hesse, H. 1907 A, 228.
Knowlton, F. H. 1909 B, 770.
Lambrecht, K. 1914 A, 72.
Lebedinsky, N. G. 1913 A.
Leunis and Ludwig 1883 A, 413.
Lobley, J. L. 1908 A, 201, 205.
Magnus, H. 1871 A (Corvini).
Pycraft, W. P. 1901 A, 352.
Reichenow, A. 1914 A, 300.
Ridgway, R. 1887 A, 322, 350.
1901 A, 22.
1904 A, 252.
Sharpe, R. B. 1891 A, 85.
Shufeldt, R. W. 1909 A, 102.
Steiner, H. 1918 A, 421.
Taschenberg, O. 1899 A, 4008.
Wagner, R. 1843 A ("krähen").
Wallace, A. R. 1876 A, II, 272.
1894 A, 440.
Wetmore and Miller 1926 A, 345.

GARRULINÆ Swainson.

Swainson, W. 1837 A, 105.
A. O. U. 1910 A, 221.
Wetmore and Miller 1926 A, 345.

CYANOCITTA Strickland. Type *Corvus cristatus* Linnæus.

Strickland, H. E. 1845, Ann. Mag. Nat. Hist., XV, 261, 260.
A. O. U. 1910 A, 222.
Knowlton, F. H. 1909 B, 780.
Newton and Gadow 1896 A, 470.
Reichenow, A. 1914 A, 314.
Ridgway, R. 1887 A, 351, 353, pl. C.

Cyanocitta stelleri (Gmelin).

Gmelin, J. F. 1788, Syst. Nat., I, I, 370 (Corvus).
Hay, O. P. 1927 D, 216, 223.
Miller, L. H. 1911 C, 399, 400.
1912 A, 73, 75, 80, 114.
Ridgway, R. 1887 A, 353.
Pleistocene (Caves); California.

CORVINÆ Bonaparte.

Bonaparte, C. L. 1831 A, 42.
A. O. U. 1910 A, 227.
Wetmore and Miller 1926 A, 345.

CORVUS Linnæus. Type *C. corax* Linnæus.

Linnæus, C. 1758 A, 105.
Hay, O. P. 1902 A, 537.
Adolphi, H. 1922 A, 418, figs. 69, 70.
Aeby, C. 1873 A, 702.
Allen, J. A. 1893 B, 99.
Arldt, T. 1907 D, 172.
Beddard, F. E. 1898 A, 538, fig. 80.
Bernstein, H. A. 1853 A, 1, pls. i, ii.
Beyer, H. 1907 B, 302, fig. 16.
Bignon, F. 1889 A.
Bittner, F. 1912 A, 2.
Blanchard, E. 1859 A, 95.
Bonsdorff, E. J. 1871 A, 310.
Bronn, H. G. 1848 A, 339.
Chandler, A. C. 1916 C, 383, pl. xxxvii, fig. 115.
Cuvier, G. 1805 A.
Diethelm, M. 1907 A, 44.
Döderlein, L. 1923 A, 142, 162.
Eyton, T. C. 1867 A, 145.
Foote, J. S. 1916 A, 72, pl. vii.
Fürbringer, M. 1888 A, pls. iii, iv, vii.
Gegenbaur, C. 1871 A, 193.
Gemminger, M. 1852 A, 219.
Giebel, C. G. 1855 B, 38.
Heilmann, G. 1926 A, 204, fig. 131.
Heilprin, A. 1887 A, 79.
Hesse, H. 1907 A, 229, pl. viii, fig. 6.
Houssay and Magnan 1912 A, 39 ("corbeaux").
Jacquemin, E. 1834 A, 277, pls. xiv, xv.
1837 A, 565.
Kessler, K. T. 1841 A, 684.
Kingsley, J. S. 1925 A, 179, fig. 193.

Knowlton, F. H. 1909 B, 771.
Köstlin, O. 1844 A.
Lambrecht, K. 1914 A, 59, 72, pl. viii; text-figs. 3, 4.
Lebedinsky, N. G. 1913 B, 193.
1917 A, 325, figs. 9-11.
Leunis and Ludwig 1883 A, 415.
Lilienthal, G. 1917 A, 271 ("krähe").
Lydekker, R. 1879 A, 13, pls. i, ii.
Mackie, S. J. 1863 C, 107.
Magnan, A. 1922 A, 167.
Magnus, H. 1871 A.
Meckel, J. F. 1825 A.
Mehnert, E. 1887 B, 213.
Newton and Gadow 1896 A, 1064.
Owen, R. 1866 B, figs. 102, 104 ("raven").
Parker, W. K. 1875 A, 715, 716, fig. 26.
1875 D, 106, pl. i, figs. 8, 9.
1888 D, 467.
Reichenow, A. 1914 A, 304, fig. 159.
Ridgway, R. 1887 A, 360, pl. xcvii.
Selenka, E. 1869 A.
Shufeldt, R. W. 1882 B, 327, fig. 2.
Sundevall, C. J. 1886 A, 402, 422.
Virchow, H. 1919 A, 327.
Wagner, R. 1843 A.
Wallace, A. R. 1876 A, II, 274.
Weitzel, A. 1865 A, 328.
Wetmore, A. 1924 A, 17.

Corvus brachyrhynchos Brehm.

Brehm, A. E. 1822, Beitr. Vögelkunde, II, 56.
Hay, O. P. 1927 D, 187.
Knowlton, F. H. 1909 B, 771.
Miller, L. H. 1911 C, 399, 400.
1912 A, 71, 78, 84, 114.
1925 B, 106.
Osborn, H. F. 1925 D, 542.
Ridgway, R. 1904 A, 267 (C. americanus); 746 (C. brachyrhynchos).
Wetmore, A. 1924 A, 17.
Recent; North America: Pleistocene (Caves and La Brea); California.

Corvus corax sinuatus Wagler.

Wagler, J. G. 1829, Isis, XXII, 748.
Abel, O. 1912 F, 22 (C. corax).
Chandler, A. C. 1916 C, 381 (C. corax).
Coues, E. 1884 A, 416, fig. 268 (C. corax).
Hay, O. P. 1927 D, 187, 198, 223 (C. corax).
Knowlton, F. H. 1909 B, 774 (C. corax).
Miller, L. H. 1909 B, 306 (C. corax).
1910 C, 11 (C. corax).
1911 C, 398, 400 (C. corax).
1912 A, 75, 78, 84, 114 (C. corax).
1925 A, 325 (C. corax).
1925 B, 106 (C. corax).
1927 A, 156 (C. corax).
Osborn, H. F. 1910 B, 470 (C. corax).
1925 D, 542 (C. corax).
Ridgway, R. 1904 A, 259 (C. corax).
Recent; Oregon to Honduras: Pleistocene (Caves and La Brea); California.

Corvus shufeldti Sharpe.

Sharpe, R. B. 1909, Hand-list Gen. and Spec. Birds, V, 599 (To replace *C. annectens* Shufeldt, not of Brüggeman).
Hay, O. P. 1902 A, 537 (C. annectens).
1927 D, 244.
Lambrecht, K. 1921 A, 90 (C. annectens).
Miller, L. H. 1912 A, 81, 114 (C. annectens).
Ridgway, R. 1904 A, 256.
Shufeldt, R. W. 1913 B, 157.
Wetmore, A. 1924 A, 15.
Pleistocene (Fossil Lake); Oregon.

Corvus sp. indet.

Hay, O. P. 1927 D, 136, 187. Pleistocene; Arizona, California.
Osborn, H. F. 1925 D, 542. Pleistocene (La Brea); California.
Wetmore, A. 1924 A, 15. Pliocene? (San Pedro Valley); Arizona.

LANIIDÆ Strickland.

Strickland, H. E. 1844, Ann. Nat. Hist., XIII, 415.
A. O. U. 1910 A, 296.
Bonaparte, C. L. 1838 B, 117 (Lanidæ).
1840 A, 260 (Lanidæ).
Coues, E. 1884 A, 336.
Hesse, H. 1907 A, 228.
Knowlton, F. H. 1909 B, 724.
Lambrecht, K. 1914 A, 72.
Leunis and Ludwig 1883 A, 403.
Lobley, J. L. 1908 A, 201, 206.
Magnus, H. 1871 A (Laniadæ).
Newton and Gadow 1896 A, 845.
Pycraft, W. P. 1907 A, 356, 358, 377.
Reichenow, A. 1914 A, 277.
Ridgway, R. 1887 A, 323, 465.
1901 A, 22.
1904 A, 232.
Sharpe, R. B. 1891 A, 86.
Shufeldt, R. W. 1896 A, 357, 371.
Steiner, H. 1918 A, 421.
Sundevall, C. J. 1886 A, 402 (Lanii).
Wallace, A. R. 1876 A, II, 272.
1894 A, 439.
Wetmore and Miller 1926 A, 345.

LANIINÆ Bonaparte.

Bonaparte, C. L. 1831 A, 31 (Laninæ).
Reichenow, A. 1914 A, 279.
Wetmore and Miller 1926 A, 346.

LANIUS Linnæus. Type *L. excubitor* Linnæus.

Linnæus, C. 1758 A, 93.
Allen, J. A. 1893 B, 111.
A. O. U. 1910 A, 296.
Bignon, F. 1889 A.
Coues, E. 1884 A, 337.
Cuvier, G. 1805 A.

Fürbringer, M. 1888 A, 134, pl. iii.
Gemminger, M. 1852 A, 219.
Hesse, H. 1907 A, 228, pl. x, fig. 11.
Kessler, K. T. 1841 A, 500, 680.
Knowlton, F. H. 1909 B, 729.
Lambrecht, K. 1914 A, 72.
Leunis and Ludwig 1883 A, 404.
Magnan, A. 1922 A, 168.
Meckel, J. F. 1825 A.
Newton and Gadow 1896 A, 1072.
Pycraft, W. P. 1907 A, 360, fig. 103.
Reichenow, A. 1914 A, 279.
Ridgway, R. 1887 A, 465, pl. cxiii.
1904 A, 234.
Selenka, E. 1869 A, pl. xvi.
Shufeldt, R. W. 1881 C, 351.

Lanius ludovicianus (Linnæus).

Linnæus, C. 1766, Syst. Nat., ed. 12, I, 134.
A. O. U. 1910 A, 297.
Coues, E. 1884 A, 338.
Hay, O. P. 1927 D, 187.
Knowlton, F. H. 1909 B, 730.
Miller, L. H. 1912 A, 78, 114.
1925 B, 106.
Osborn, H. F. 1925 D, 542.
Ridgway, R. 1887 A, 467.
1904 A, 241.
Shufeldt, R. W. 1881 C, 351, pl. xiv.
Recent; New Brunswick to British Columbia, south to Mexico and Florida: Pleistocene (La Brea); California.

ICTERIDÆ Cabanis.

Cabanis, J. L. 1847, Archiv Naturges., I, 332.
Hay, O. P. 1902 A, 537.
Allen, J. A. 1871 A.
Arldt, T. 1907 D, 660.
1912 A, 706, 750.
Bonaparte, C. L. 1840 A, 270 (Icterinæ).
Chandler, A. C. 1916 C, 381.
Coues, E. 1884 A, 399.
Dabbene, R. 1910 A, 39, 179, 401.
Evans, A. H. 1899 A, 579.
Heilprin, A. 1887 A, 66, 79.
Hesse, H. 1907 A, 230.
Knowlton, F. H. 1909 B, 824.
Lebedinsky, N. G. 1913 A.
Leunis and Ludwig 1883 A, 408.
Lobley, J. L. 1908 A, 201, 205.
Miller, W. D. 1924 A, 3.
Parker, W. K. 1875 D, 110.
Reichenow, A. 1914 A, 364.
Ridgway, R. 1887 A, 321, 365.
1901 A, 19.
1902 A, 169.
Steiner, H. 1918 A, 421.
Sushkin, P. P. 1925 B, 38.
Wallace, A. R. 1876 A, II, 281.
Wetmore, A. 1919 A, 190.
Wetmore and Miller 1926 A, 346.

STURNELLA Vieillot. Type *Alauda magna* Linnæus.

Vieillot, L. J. P. 1816 Analyse, 34.
A. O. U. 1910 A, 235.
Coues, E. 1884 A, 405.
Eyton, T. C. 1867 A, 136 (Sternella).
Knowlton, F. H. 1909 B, 825.
Miller, L. H. 1914 A, 38.
Newton and Gadow 1896 A, 1084.
Reichenow, A. 1914 A, 375, fig. 201.
Ridgway, R. 1887 A, 365, 371, pl. civ.
1902 A, 353.
Shufeldt, R. 1888 D, 309-350.

Sturnella neglecta Audubon.

Audubon, J. J. L. 1844, Birds of Amer., VII, 339, pl. 489.
Coues, E. 1884 A, 406.
Hay, O. P. 1927 D, 172.
Knowlton, F. H. 1909 B, 825.
Miller, L. H. 1912 A, 78, 84, 114.
1914 A, 37.
1925 B, 106.
Osborn, H. F. 1925 D, 542.
Ridgway, R. 1887 A, 372 (S. magna neglecta).
1902 A, 365.
Pleistocene (La Brea and San Pedro beds); California.

XANTHOCEPHALUS Bonaparte. Type *Icterus xanthocephalus* Bonaparte.

Bonaparte, C. L. 1850, Consp. Avium. I, 451.
Allen, J. A. 1893 B, 111, 116, 131.
A. O. U. 1910 A, 232.
Ridgway, R. 1887 A, 365, 368, pl. ci.
1902 A, 346.
Wallace, A. R. 1876 A, II, 282.

Xanthocephalus xanthocephalus (Bonaparte).

Bonaparte, C. L. 1826, Jour. Acad. Nat. Sci. Phila., V, 223 (Icterus).
A. O. U. 1910 A, 232.
Hay, O. P. 1927 D, 187.
Miller, L. H. 1912 A, 78, 114.
1921 C, 130.
Ridgway, R. 1887 A, 368.
1902 A, 347.
Recent; western North America: Pleistocene (La Brea); California.
Identity of remains found at La Brea doubtful.

AGELAIUS Vieillot. Type *Oriolus phœnicius* Linnæus.

Vieillot, L. J. P. 1816, Analyse, 33.
Chandler, A. C. 1916 C, 382.
Coues, E. 1884 A, 403 (Agelæus).
Eyton, T. C. 1867 A, 138.
Hesse, H. 1907 A, 230 (Agelæus).
Miller, L. H. 1925 B, 105 (Agelæus).

Newton and Gadow 1896 A, 457, 530 (Agelæus).
Reichenow, A. 1914 A, 373.
Ridgway, R. 1887 A, 365, 368, pl. ci.
1902 A, 319.
Wallace, A. R. 1876 A, II, 282.
Wetmore, A. 1919 A, 197.

Agelaius gubernator (Wagler).

Wagler, J. G. 1832, Isis, IV, 281 (Psarocolius).
Hay, O. P. 1927 D, 187.
Miller, L. H. 1912 A, 78, 114.
1921 C, 130.
Nelson, E. W. 1897, Auk, XIX, 59 (A. gubernator californicus).
Ridgway, R. 1887 A, 370.
1902 A, 326 (Scolecophagus).
Recent; Washington to southern California and western Arizona: Pleistocene (La Brea); California.
Identity of remains found at La Brea, California, doubtful.

Agelaius sp. indet.

Miller, L. H. 1925 B, 105 (This genus?). Pleistocene (La Brea); California.

EUPHAGUS Cassin. Type *Psarcolius cyanocephalus* Wagler.

Cassin, J. 1867, Proc. Acad. Nat. Sci., Phila., 1866 (1867), 413.
Hay, O. P. 1902 A, 537 (Scolecophagus).
Coues, E. 1884 A, 411 (Scolecophagus).
Miller, L. H. 1925 B, 105.
Reichenow, A. 1914 A, 369.
Ridgway, R. 1887 A, 366, 378, pl. civ (Scolecophagus).
1902 A, 244 (Scolecophagus).

Euphagus affinis Shufeldt.

Hay, O. P. 1902 A, 537 (Scolecophagus).
A. O. U. 1910 A, 391.
Hay, O. P. 1927 D, 244.
Lambrecht, K. 1921 A, 93 (Scolecophagus).
Miller, L. H. 1912 A, 81, 114.
Shufeldt, R. W. 1913 B, 157.
Pleistocene (Fossil Lake); Oregon.

Euphagus cyanocephalus (Wagler).

Wagler, J. 1829, Isis, XXII, 758 (Psarocolius).
A. O. U. 1910 A, 239.
Coues, E. 1884 A, 411 (Scolecophagus).
Hay, O. P. 1927 D, 223.
Miller, L. H. 1911 C, 399, 400.
1912 A, 75, 84, 114.
1921 C, 130.
Ridgway, R. 1887 A, 379 (Scolecophagus).
1902 A, 248 (Scolecophagus).
Wetmore, A. 1919 A, 196.
Recent; western North America: Pleistocene (Caves, La Brea); California.
Identity of remains found at La Brea, California, doubtful.

FRINGILLIDÆ Vigors.

Vigors, N. A. 1825 A, 445.
Hay, O. P. 1902 A, 537.
Allen, J. A. 1871 A.
Anthony, R. 1910 A, 781 ("passereaux").
Arldt, T. 1907 D, 654.
1912 A, 706, 750.
Blanchard, E. 1859 A, 85 ("moineaux").
Bonaparte, C. L. 1831 A, 32.
Chandler, A. C. 1916 C, 381.
Cuvier, G. 1805 A (Fringillæ).
Dabbene, R. 1910 A, 476.
Evans, A. H. 1899 A, 582.
Harting, P. 1886 A, 24.
Heilprin, A. 1887 A, 66, 88, 100.
Hesse, H. 1907 A, 230.
Knowlton, F. H. 1909 B, 831.
Lambrecht, K. 1914 A, 72.
Lebedinsky, N. G. 1913 A.
Lebedinsky, N. G. 1917 A, 327 (Passer).
Leunis and Ludwig 1883 A, 372.
Lobley, J. L. 1908 A, 201, 206.
Magnus, H. 1871 A.
Meckel, J. F. 1825 A ("sperlingsvögel").
Reichenow, A. 1914 A, 404.
Ridgway, R. 1887 A, 321, 382.
1901 A, 19, 24.
Rosenberg, A. 1873 A, 151 ("sperling").
Ruhwandl, G. 1916 A, 75, pls. v, vi; 17 text-figs. (Fringilla).
Stellwaag, F. 1912 A, 627 (Fringilla).
Sushkin, P. P. 1925 B, 37.
Taschenberg, O. 1899 A, 4060.
Wallace, A. R. 1876 A, II, 284.
1894 A, 439.
Wetmore and Miller 1926 A, 346.

FRINGILLINÆ Bonaparte.

Bonaparte, C. L. 1831 A, 32, 52.
Wetmore and Miller 1926 A, 346.

PIPILO Vieillot. Type *Fringilla erythrophthalma* Linnæus.

Vieillot, L. J. P. 1816, Analyse, 32.
A. O. U. 1910 A, 279.
Coues, E. 1884 A, 395.
Ridgway, R. 1887 A, 384, 435, pl. cxi.

Pipilo sp. indet.

Hay, O. P. 1927 D, 187. Pleistocene; California.
Miller, L. H. 1912 A, 78. Pleistocene (La Brea); California.
Osborn, H. F. 1925 D, 542. Pleistocene (La Brea); California.

PALÆOSTRUTHUS Wetmore. Type *Palæospiza hatcheri* Shufeldt.

Wetmore, A. 1925 A, 192.

Palæostruthus hatcheri (Shufeldt).

Shufeldt, R. W. 1913 C, 301 (Palæospiza ?).
Lambrecht, K. 1921 A, 92 (Palæospiza).
Wetmore, A. 1925 A, 192, figs. 1, 2.
Pliocene (Republican River); Kansas.

JUNCO Wagler. Type *J. phæonotus* Wagler.

Wagler, J. G. 1831, Isis, XXIV, 26.
Knowlton, F. H. 1909 B, 840, fig. 840.
Ridgway, R. 1887 A, 385, 422, pl. cix.
Stejneger, L. 1885 A, 547.

Junco hyemalis (Linnæus).

Linnæus, C. 1758 A, 183.
A. O. U. 1910 A, 266.
Knowlton, F. H. 1909 B, 840, fig. 232.
Ridgway, R. 1887 A, 422.
Wetmore, A. 1924 A, 18 (This species?).
Recent; North America: Pliocene? (San Pedro Valley); Arizona.

Junco sp. indet.

Hay, O. P. 1927 D, 136. Pliocene; Arizona.

PALÆOSPIZIDÆ Wetmore.

Wetmore, A. 1925 A, 190.

PALÆOSPIZA Allen. Type *P. bella* Allen.

Hay, O. P. 1902 A, 537.
Arldt, T. 1907 D, 85.
Eastman, C. R. 1904 D, 670.
Heilprin, A. 1887 A, 331.
Lambrecht, K. 1916 C, 496.
Wetmore, A. 1925 A, 191.
Zittel and Lucas 1902 A, 278.

Palæospiza bella Allen.

Hay, O. P. 1902 A, 537.
Cockerell, T. D. A. 1906 A, 163.
Lambrecht, K. 1921 A, 92.
Lucas, F. A. 1902 B, 233.
Shufeldt, R. W. 1913 D, 634, fig. 8.
Wetmore, A. 1925 A, 183, pls. i-iv; text-figs. 1, 2.
1928 A, 152.
Miocene (Florissant); Colorado.

BIRD REMAINS OF UNCERTAIN SYSTEMATIC POSITION.

CIMOLOPTERYX Marsh. Type *C. rarus* Marsh.

Hay, O. P. 1902 A, 537.
Fürbringer, M. 1902 B, 629.
Shufeldt, R. W. 1915 D, 11.
Williston, S. W. 1902 K, 953.
Zittel and Schlosser 1911 A, 323.
1923 A, 395.

Cimolopteryx rarus Marsh.

Hay, O. P. 1902 A, 537.
Bowen, C. F. 1915 A, 144.
Lambrecht, K. 1921 A, 50 (C. rara).
Osborn, H. F. 1902 I, 15.
Shufeldt, R. W. 1915 D, 11, 76, pl. vi, fig. 38.
Upper Cretaceous (Lance); Wyoming.

Cimolopteryx retusus Marsh.

Hay, O. P. 1902 A, 537.
Bowen, C. F. 1915 A, 144.
Lambrecht, K. 1921 A, 50 (C. retusa).
Osborn, H. F. 1902 I, 15.
Shufeldt, R. W. 1915 D, 12, 76, pl. vi, fig. 39.
Upper Cretaceous (Lance); Wyoming.

PALÆONORNIS Emmons. Type *P. struthionoides* Emmons.

Emmons, E. 1857 A, 148.

Palæonornis struthionoides Emmons.

Hay, O. P. 1902 A, 537.
Lambrecht, K. 1921 A, 98 (Palænornis).
Wetmore, A. 1928 A, 148.
Triassic?; North Carolina.

FONTINALIS Lesquereux. Type *F. pristina* Lesquereux.

Lesquereux, L. 1883, Rep. U. S. Geol. Surv. Terrs., VIII, 135 (Not *Fontinalis* of Linnæus).
Knowlton, F. H. 1916, Proc. U. S. Nat. Mus., LI, 245.

Fontinalis pristina Lesquereux.

Lesquereux, L. 1883, Rep. U. S. Geol. Surv. Terrs., VIII, 135, pl. xxi, fig. 9.
Knowlton, F. H. 1916, Proc. U. S. Nat. Mus., LI, 245.
Wetmore, A. 1925 A, 184.
1928 A, 152.
Upper Miocene (Florissant); Colorado.
The type specimen was supposed by Lesquereux to be a moss.

YALAVIS Shufeldt. Type *Y. tenuipes* Shufeldt.

Shufeldt, R. W. 1913 D, 649.

Yalavis tenuipes Shufeldt.

Shufeldt, R. W. 1913 D, 649, figs. 11, 12.
Lambrecht, K. 1921 A, 93.
Lydekker, R. 1914 A, 638.
Miocene (Florissant); Colorado.

EOPTERYX O. Meyer. Type *E. mississippiensis* Meyer.

Meyer, O. 1887 A, 14.

Eopteryx mississippiensis Meyer.

Meyer, O. 1887 A, 14, pl. ii, figs. 22*a*-22*c*.
Lambrecht, K. 1916 C, 267 (E. missisippiensis).
Eocene (Jackson); Mississippi.
This species is based on a part of a single dorsal vertebra.

FOSSIL EGGS.

Hay, O. P. 1902 A, 537.
Abel, O. 1926 B, 325, fig. 217.
Morgan and Tallmon 1904 A, 403, pls. xlviii, xlix.
O'Harra, C. C. 1910 A, 123.
Shufeldt, R. W. 1916 D, 80-91, pls. xxi-xxiv
Troxell, E. L. 1916 B, 422, figs. 1-5.

Class MAMMALIA Linnæus.

Hay, O. P. 1902 A, 553.
Abel, O. 1901 A, 28 ("mammifères").
1907 E, (249). ("säugetier").
1910 B, (185) ("säugetiere").
1913 B, 695-759.
1914 A, ("säugetiere").
1919 A, 710.
1920 A, 405.
1921 A, 143, 251, 265 ("säugetiere").
Adams, C. C. 1902 A, 116 ("mammals").
Adams, L. A. 1919 A, 102, 138.
Adolff, P. 1901 C, 420 ("säugethier").
1903 A, 357 ("säugethiere").
1904 B, 54 ("säugetiere").
1905 A, 333 ("säugetiere").
1906 A, 7 ("säuger").
1907 A, 530 ("säugetiere").
1910 B, 226 ("säugetiere").
1913 B, 188 ("mammalier").
1913 C, 7 ("säugetiere").
1915 A, 436 ("säugetiere").
1917 B, 348 ("säugetiere").
Agar, W. E. 1909 A, 377.
1918 A, 130 ("säugetiere").
1920 A, 178 ("säugetiere").
Agassiz, L. 1836 B, 24 ("mammifères").
1844 C, 253 ("mammifères").
1844 D, 137 (Mammifera).
Ahrens, H. 1912 B, 48 ("säugetiere").
Aichel, O. 1917 A, 97 ("säugetiere").
1919 A ("säugetiere").
Albrecht, P. 1883 A, 419 ("säugethiere").
Alexander, G. 1904 A ("säuger").
Allen, J. A. 1905 A, 662 ("mammals").
1908 A, 546.
1909 A, 744.
1912 A, 917.
1912 D, 250.
1912 E, 907.
1913 B, 453.
Allis, E. P. 1918 A, 244.
1919 A, 383, 385.
Allis, E. P. 1919 D, 209.
Altmann, F. 1925 A, 87.
Ameghino, F. 1893 C, 77 ("mammifères").
1893 D, 13 ("mammifères").
1897 B, 256.
1898 B, 497 ("mammifères").
1901 A, 349 ("mammifères").
1905 A ("mamiferos").
1906 A, 77 ("mammifères").
1909 A, 82 ("mammifères").
Anderson, R. J. 1902 C, 785 ("mammals").
1908 A, 546.
1909 A, 744.
1912 A, 917.
1912 D, 250.
1912 E, 907.
1914 A, 533 ("mammals").
Andrews, C. W. 1911 C, 294.
Anthony, R. 1905 A, 853 ("mammifères").
1912 A.
1913 A, 243 ("mammifères").
Arldt, T. 1907 A, 233 ("säugetiere").
1907 C, 676 ("säugetiere").
1907 D, 664.
1907 E, 213 ("säugetiere").
Aulmann, G. 1909 A ("säuger").
Bärthold, —— 1904 A, 365 ("säugetiere").
Baraldi, G. 1877 A, *passim* ("mammiferi").
Barbour, T. 1916 A, 6 ("mammals").
Bardeleben, K. 1885 A, 27 ("säugethiere").
1885 B, 85 ("säugethiere").
1885 C, 149 ("säugethiere").
1889 A, 107 ("säuger").
1889 B, 259.
1893 A, 168 ("säugetiere").
1896 A, 115 ("säugetiere").
1901 A ("säugetiere").
1904 A, 109 ("säugetiere").
1905 A, 16 ("säugetiere").
1905 B, 138 ("säuger").
1905 C, 156 ("säuger").
1905 E, 104 ("säugetiere").

Bardeleben, K. 1906 A, 140 ("säuger").
1907 A, 34 ("säugetiere").
Bardenfleth, K. S. 1913 A, 67 ("mammals").
Barrell, J. 1907 A, 474 ("mammals").
Bateson, W. 1892 A, 103 ("mammals").
Baumgarten, H. 1892 A, 512 ("säugethiere").
Baur, G. 1887 H, 47 ("säugethiere").
1894 B, 350.
Bayer, F. 1897 A, 147 ("mammifères").
Beddard, F. E. 1902 A.
Beecker, A. 1903 A, 596 ("säugethiere").
Beer, G. R. 1926 A, 325.
Behlen, H. 1906 A ("säuger").
Bender, O. 1907 A, 38 ("säuger").
1910 A, 122 ("säuger").
Bensley, B. A. 1902 A, 1.
1903 A, 84.
Bergmann 1841 A, 204 ("säugethiere").
Berry, E. W. 1920 A, 209 ("mammals").
Beyer, H. 1907 A, 260 ("säugetiere").
1908 A, 77, 87 ("säugethiere").
Bittner, F. 1912 A, 4 ("säuger").
Black, N. 1900 A, 4.
Blainville, H. M. D. 1817 A, 106 ("mammifères").
Blatschke, F. 1904 A, 151 ("säugetiere").
Blendinger, W. 1904 A, 452 ("säugetiere").
Bluntschli, H. 1912 B, 351 ("säugetiere").
1913 B, 195 ("säuger").
Boas, J. E. V. 1884 B, 389 ("säugethiere").
1909 A, 524, fig. 1 ("säugetiere").
1914 B, 548, 574 ("säugetiere").
Böker, H. 1927 A, 24, 53, fig. 16 ("ursäugetier").
Bogoljubsky, S. 1914 A, 659.
Bojanus, L. H. 1819 A, 1362 ("säugthier").
Bolk, L. 1912 A, 58 ("säuger").
1912 B, 950 ("mammals").
1913 A ("säugethiere").
1914 A ("säugethiere").
1915 A, 103 ("säugetiere").
1916 A, 720 ("mammals").
1921 C, 219 ("mammals").
1922 A, 107 ("mammals").
1922 B, 55 ("mammals").
Bonaparte, C. L. 1832 A, 283.
1840 A, 4.
Boule, M. 1902 B, 910 ("mammifères").
1905 A, 1662 ("mammifères").
Boulenger, G. A. 1904 C, 480.
1917 C, 457 ("mammifères").
Bradley, O. C. 1903 B, 43 ("mammals").
1906 B, 529 ("mammals").
Branca, W. 1915 A, 7.
Brandes, G. 1900 A, 103 ("säugethiere").
Brandt and Woldrich 1887 A, 1 ("säugethiere").
Branson and Mehl 1928 C, 489 ("mammals").
Brauer, A. 1914 A ("säugetiere").
Braus, H. 1906 A ("säuger").
Broili, F. 1908 A, 6.
1917 A, 565 ("säugetiere").
Bronn, H. G. 1849 A, 781, seq.
Broom, R. 1890 A, 409.
1896 A, 477.
1897 B, 231, 252.
1901 A, 181 ("mammals").
1902 B, 168 ("mammalian").
1902 D, 548 ("mammals").
1903 I, 545.
Broom, R. 1904 A, 494.
1904 B, 89.
1905 E, 75 ("mammals").
1905 F, 40 ("mammals").
1906 A, 106 ("mammals").
1906 C, 437.
1906 E, 369 ("mammals").
1908 A, 1047 ("mammals").
1908 E, 114 ("mammals").
1909 D, 211.
1911 A, 917 ("mammals").
1912 B, 419 ("mammalian").
1913 G, 335 ("mammals").
1913 L, 231 ("mammals").
1913 M, 7 ("mammalian").
1913 N, 87 ("mammals").
1913 P, 225 ("mammals").
1914 G, 302 ("mammals").
1915 C, 1-48.
1924 B, 64, fig. 13.
1926 A, 257 ("mammals").
Bruch, C. 1853 A, 371 ("säugethiere").
1862 A, 77 ("säugethiere").
Burckhardt, R. 1903 A, 107 ("säugetiere").
1906 A, 167 ("säugetiere").
Burlet, H. M. 1916 A, 8 ("säuger").
Cahall, W. C. 1890 A, 231 ("mammals").
Camerano, L. 1915 A, 1 ("mammiferi").
Capitan, L. 1901 A.
Carter, J. T. 1905 A, 136 ("mammals").
1922 A, 599.
Carus, V. 1875 A, 39.
Carus and Engelmann 1861 A, 1261-1305, 1576-1584, 1685-1688, 1698, 1703, 1764, 1805, 1821.
Case, E. C. 1898 C, 623, 820.
1909 C, 20 ("mammals").
Chaine, J. 1918 A, 735 ("mammifères").
Cleland, J. 1863 A, 118 ("mammals").
1863 B, 289.
Cope, E. D. 1884 KK, 32.
1885 BB, 61, 71.
1885 EE, 606, 614 ("mammals").
1891 N, 7, 64.
Coyle, R. F. 1909 A, 582.
Cunningham, J. F. 1897 A, 486.
Cuvier, F. 1807 A, 105 ("mammifères").
1812 A, 268 ("mammifères").
Cuvier, G. 1805 A.
1815 A, 103 ("mammifères").
Dana, J. D. 1863 B, 315 ("mammals").
1863 C, 334 ("mammals").
1863 D, 131 ("mammals").
Daubeny, C. 1844 A, 289.
Dawkins, W. B. 1915 A, 520.
Deinse, A. B. van 1912 A, 347 ("mammals").
1914 A, 289 ("mammals").
Delsman, H. C. 1913 A, 689 ("säugethiere").
Dendy, A. 1907 A, 305.
Deninger, K. 1914 A, 193-214 ("säugetiere").
1915 A, 187-191 ("säugetiere").
Denker, A. 1901 A, 635 ("säugethiere").
Dependorf, T. 1907 A, 539 ("säuger").
1907 C, 97 ("säuger").
Depéret, C. 1905 A, 1517 ("mammifères").
1905 B, 22 ("mammifères").
1905 C, 702 ("mammifères").
1906 A, 618 ("mammifères").
1906 B, 1120 ("mammifères").

Depéret, C. 1907 B ("mammifères").
1909 A, 140 ("mammifères").
Dieterich, K. 1841 A, 55 ("säugethiere").
Dollo, L. 1883 G, 579.
1885 C, 300 ("mammifères").
1889 E, 146, 184 ("mammifères").
1889 G, 674.
1919 A, 33 ("mammifères").
Dombrowski, B. A. 1925 A, 69, fig. 2 ("säugetiere").
Doran, A. H. G. 1878 A, 371.
Drüner, L. 1904 A, 257 ("säuger").
1906 A, 6 ("säugetiere").
Dublin, L. I. 1903 A, 731 ("mammals").
Dubreuil, G. 1913 A ("mammifères").
Duckworth, W. L. H. 1904 A, 13.
Dujardin, F. 1836 A, 318 ("mammifères").
Du Toit, P. J. 1911 A, 417 ("säugetiere").
Dwight, T. 1909 A, 369 ("mammals").
Earl, C. 1897 A, 574.
Eastman, C. R. 1912 C, 658 ("mammals").
1913 B, 678 ("mammals").
1914 B, 689 ("mammals").
1916 A, 656 ("mammals").
1917 A, 120.
Eastman, Gregory and Mathew 1917 A, 120.
Ebner, V. 1906 A ("säugetiere").
Eggeling, H. 1906 A, 103 ("säugetiere").
Eichwald, E. 1832 A, 864 ("säugethiere").
Eimer, G. H. T. 1901 A, 261 ("säuger").
Eisler, P. 1895 A ("säuger").
Elliot, D. G. 1901 A, 1.
Emery, C. 1890 A, 288 ("säugetiere").
1895 A, 226.
1897 D, 601 ("säugetiere").
1901 A, 674 ("säugetheire").
Eschricht, D. F. 1851 A, 111 ("säugethiere").
Fernandez, M. 1921 A, 506 ("säugetiere").
Filatoff, D. 1907 A, 311 ("säugetiere").
Filhol, H. 1889 A, 220 ("mammifères").
Fischer, E. 1901 A, 1 ("säuger").
1903 A, 387 ("säuger").
Fischer, J. B. 1829 A, 1.
Fleischmann, A. 1904 A, 483 ("säugetiere").
1910 A, 691.
Flower, W. H. 1870 A, 239.
Foote, J. S. 1913 A ("mammals").
1916 A, 20, 75 ("mammals").
Forster, A. 1905 A, 89-138.
Fraas, E. 1905 B, 347 ("säugetiere").
Frassetto, F. 1903 A.
1915 A ("mammiferi").
Frech, F. 1906 A, 493 ("säugertiere").
1907 A, 303 ("säugethiere").
Freund, L. 1902 A.
1906 A, 111 ("säugetiere").
1911 A, 377 ("säugetiere").
1912 A, 557 ("säugetiere").
Froriep, A. 1886 A, 69 ("säugethiere").
1905 A, 156 ("mammifères").
1905 B, 111 (Ovis, Bos).
Fuchs, H. 1905 B, 3 ("säugethiere").
1906 A, 1 ("säuger").
1907 A.
1907 C, 24 ("säugetiere").
1908 A, 353 ("säuger").
1908 B, 584 ("säuger").
1908 C ("säuger").
Fuchs, H. 1909 B, 141.
1909 C, 85 ("säuger").
1909 D, 1, 70 ("säuger").
1910 A, 34.
1910 C, 476 ("säuger").
1911 A, 34.
1911 B ("säuger").
1911 D, 97 ("säugetiere").
1912 A, 34, 68, 86.
1912 B, 82, 86.
1912 D, 143.
1914 A, 28 ("säugetiere").
1922 A, 291.
1926 B, 5.
Fürbringer, M. 1902 A, 210.
1904 A.
1905 A, 17 ("säugetierre").
Funccius, T. 1909 A, 370 ("säuger").
Gadow, H. 1901 A, 397.
1901 B, 990 ("säuger").
1902 B, 345.
1912 A, 817.
1913 A, 114 ("mammals").
1914 A, 508 ("mammals").
Gaskell, W. H. 1898 A, 553.
Gaudry, A. 1891 C.
1908 A, 1131 ("mammifères").
Gaupp, E. 1895 A, 57, seq. ("säuger").
1898 B ("säuger").
1899 A, 1004, 1109 ("säuger").
1900 A ("säuger").
1901 A, 43 ("säugetier").
1902 A, 163, 189 ("säuger").
1905 A, 273 ("säugetier").
1905 B, 16 ("säuger").
1905 C, 125 ("säuger").
1905 D, 1037 ("säuger").
1905 E, 159 ("säuger").
1906 A, 32 ("säuger").
1906 B ("säuger").
1908 A, 181 ("säuger").
1908 B ("säuger").
1908 C ("säuger").
1910 A, 529 ("säuger").
1910 B, 355 ("sauger").
1910 C, 310 ("sauger").
1910 D, 83 ("säuger").
1911 A, 418 ("säuger").
1911 B, 97 ("säuger").
1911 C, 445, 454 ("säuger").
1911 D, 609 ("säuger").
1911 E, 320 ("säuger").
1912 B, 215 ("säuger").
1913 A ("säuger").
Gegenbaur, C. 1864 B, 8 ("säugethiere").
1864 C, 175 ("säugethiere").
1865 C.
1867 B, 402 ("säugethiere").
1870 C, 398 ("säugethiere").
1871 A, 211 ("säugethiere").
1880 A, 586 ("mammalien").
1888 A ("säugethiere").
Geikie, J. 1914 A, 324 ("mammals").
Geoffroy St. Hilaire, E. F. 1807 E, 354 ("mammifères").
1817 A, 126 ("mammifères").
1817 B, 188 ("mammifères").
1822 A, 76 ("mammifères").

Geoffroy St. Hiliare, E. F. 1824 D, 435 ("mammifères").
1824 H, 254 ("mammifères").
1825 B, 133 ("mammifères").
1832 A, 354 ("mammifères").
Gervais, P. 1853 B, 31 ("mammifères").
1859 A ("mammifères").
Gessner, I. 1921 A, 271 ("säugetiere").
Ghigi, A. 1900 B, 98 ("mammiferi").
Gidley, J. W. 1906 F, 106 ("mammals").
1919 A, 273.
Giebel, C. G. 1878 C, 853 ("säugethiere").
1883 A.
Gill T. 1873 E, 435.
1881 A, 381.
1886 C, 808.
1898 B, 697 ("mammals").
1902 A, 1034.
1904 A, 537.
1907 A, 491.
1912 D, 789.
Goodrich, E. S. 1916 A, 261, 266.
Goodsir, J. 1857 A ("mammals").
1868 A, 53.
Gottlieb, H. 1914 A, 179 ("säugetiere").
Grant, M. 1904 B.
Gray, J. E. 1825 B, 337.
Gruber, W. 1873 A, 338 ("säugethiere").
Gregory, W. K. 1910 A, 21, 28.
1910 C, 297.
1910 D, 600.
1911 C, 404.
1913 E, 7, 37.
1914 E, 525.
1916 A, 239 ("mammals").
1917 C, 975 ("mammals").
1918 A, 4 ("mammals").
1922 A, 539.
1926 B, 405 ("mammals").
1927 A, 601 ("mammals").
1927 D, 225 ("mammals").
1927 E, 337 ("mammals").
1927 G, 270 ("mammalia").
Gregory and Adams 1915 A, 764 ("mammals").
Gregory and Noble 1924 A, 435 ("mammals").
Haeckel, E. 1868 A, 436, 460, 468.
1873 A, 536 ("säugethiere").
Hagenbach, E. 1841 A, 46 ("säugethiere").
Haller, G. 1922 A, 1 ("säugetiere").
Hanson, F. B. 1918 A, 289 ("mammals").
1919 B, 87.
1920 C, 2 ("mammals").
Hase, A. 1913 A.
Hasse, C. 1871 A ("säuger").
1872 B, 542 ("säugethiere").
1873 D ("säugethiere").
Hasse and Schwarck 1870 A, 21 ("säugetiere").
Hatschek, B. 1889 A, 83 ("säugetiere").
Hay, O. P. 1914 A, 102.
Hayek, H. 1926 A, 176 ("säugetiere").
Heilprin, A. 1887 A, 423.
1901 A, 21473 ("mammals").
Heinrich, G. 1909 A, 781 ("säugetiere").
Hennig, E. 1919 A, 1 ("säuger").
1922 A, 260.
Hensel, R. 1879 A, 529 ("säugethiere").
Henshaw, H. W. 1912 A, 318 ("mammals").
Hertwig, O. 1892 A.
Hertz, M. 1925 A ("säugetiere").
Hilzheimer, M. 1913 A, 517 ("säugetiere").
Hilgard, T. C. 1859 A, 336 ("mammals").
1860 A, 679 ("mammals").
Hoernes, R. 1886 A, 650.
Hogben, L. T. 1919 A, 71.
Hollard, H. 1864 B, 250 ("mammifères").
1864 C, 359 ("mammifères").
Hommes, J. H. 1924 A, 10 ("mammals").
Hopewell-Smith and Tims 1911 A, 939.
Howes, G. B. 1891 A, 153.
1893 C, 585.
1894 A, 77.
1895 B, 736 ("mammals").
Hrdlička, A. 1921 A, 141-176 ("mammals").
Hubrecht, A. A. W. 1897 A, 28.
1908 A, 150.
Huene, F. 1907 A, 155-157.
1910 F, 153-163 ("säugetiere").
1911 G, 151-161 ("säugetiere").
1912 F, 522.
1914 G, pl. vii.
1918 A, 208 ("säugetiere").
1925 C, 174 ("säugetiere").
1925 D, 238.
1926 A, 262 ("säugetiere").
Humphry, G. M. 1870 B, 67.
Huxley, T. H. 1853 A, 150, 158 ("mammals").
1855 A, 82.
1856 A ("mammals").
1856 B, 194 ("mammals").
1859 D, 394, 451.
1859 H, 46.
1862 A, l.
1863 E, 443, 527, 553.
1863 F, 530, 579, 607, 633, 663.
1864 D, i, ii.
1869 G, 436.
1870 F, 527, 531.
1876 F, 183.
1879 A, 395.
1880 E, 457.
Ihering, H. 1880 A, 308 ("säugethiere").
1909 A, 284 ("säugetiere").
1910 A, 113 ("säugetiere").
Inouye, M. 1912 A, 494 ("säugetiere").
Jaeger, G. F. 1842 A, 433 ("säugethiere").
Jaekel, O. 1901 B, 53 ("säugetiere").
1902 C, 610 ("säugetiere").
1903 F, 35 ("säugetiere").
1904 C, 183 ("säugethiere").
1905 C, 134 ("säugetiere").
1906 A, 28 ("säugetiere").
1906 D, 188 ("säugetiere").
1908 A, 140 ("säugetiere").
1908 B, 466 ("säugetiere").
1909 A, 193, 211.
1909 C, 706 ("säugetiere").
1910 D, 123.
1911 A, 197.
1912 A, 609.
1913 B, 194 ("säugetiere").
1913 C, 32 ("säugetiere").
1916 A, 152, 168, 170.
1922 A, 18.
1926 C, 60 ("säugetiere").
1927 A, 268 ("säugetiere").
Jasswoin, G. 1924 A, 97 ("mammals").

Jenkinson, J. W. 1911 A, 305.
Johnson, A. 1883 A, 405 ("mammals").
Joleaud, L. 1919 A, 704 ("mammifères").
Jordan, D. S. 1905 B ("mammals").
1922 C, 177 ("mammals").
Julien, A. 1894 A, 173 ("mammifères").
Kampfen, P. N. 1905 A, 321.
1922 A, 53.
Kehrer, F. A. 1896 A, 347 ("säuger").
Keith, A. 1911 A, 294 ("mammals").
Kerbert, C. 1876 A, 229.
Kerr, J. G. 1923 A, 114.
Kesteven, H. L. 1916 A, 303.
1918 A, 449, 457.
Keyes, C. A. 1922 A, pl. iii.
Kingsbury, B. F. 1926 A, 98 ("mammals").
Kingsley, J. S. 1900 A, 206, 247 ("mammals").
1900 B, 167 ("mammals").
1901 A, 193 ("mammals").
1912 A, 185 ("mammals").
1912 B, 98 ("mammals").
1925 A, 16, 48, 51, 181, 183, 203, 271, 290.
Kjellberg, K. 1904 A, 159.
Klaatsch, H. 1893 B, 651 ("säugethiere").
1913 A, 162 ("säugetiere").
Klaauw, C. J. 1924 B, 599.
Klein, E. E. 1868 A ("säugethiere").
Köstlin, O. 1844 A, 14 ("säugethiere").
Koken, E. 1893 B, 646 ("säugethiere").
1898 B, 143 ("säugethiere").
Korff, K. K. 1906 A, 132 ("säugetiere").
1906 B, 1 ("säugetiere").
Kravetz, L. P. 1906 A, 1 ("säugetiere").
Kükenthal, W. 1913 A, 633.
1914 A, 561 ("säugetiere").
Laloy, L. 1907 A, 583 ("mammifères").
Larger, R. 1913 A, 701 ("mammifères").
Lataste, F. 1887 A, 265 ("mammifères").
Lavocat, A. 1883 A, 1317 ("mammifères").
1885 A, 28, 42 ("mammifères").
1889 A, 39, 50 ("mammifères").
Leboucq, H. 1884 A, 35, 66 ("mammifères").
1904 C, 227 ("mammifères").
Leche, W. 1887 A.
1893 C, 798 ("säuger").
1900 A, 982.
1902 A, 43.
1903 A, 510 ("säugetiere").
1904 A, 219 ("säugetiere").
1910 A, 449 ("säugetiere").
1915 A, 275 ("säugetiere").
1915 B, 257 ("säuger").
1921 A.
Le Damany, P. 1902 A, 334 ("mammifères").
1902 B, 371 ("quadrupèdes").
1903 A, 273 ("quadrupèdes").
1903 B, 275 ("mammifères").
1903 D, 352 ("mammifères").
1903 E, 365 ("mammifères").
1903 G, 127 ("mammifères").
1906 B, 160 ("mammifères").
Ledouble, A. F. 1903 A, 641 ("mammifères").
1906 A, 550 ("mammifères").
Lemoine, V. 1889 A, 233 ("mammifères").
Lepkowski, W. 1897 A, 559.
Lewis, F. T. 1906 A, 506 ("mammals").
Leydig, F. 1859 A, 477 ("säugethiere").
1873 B, 33.
Lindsay, B. 1885 A, 684 ("mammals").
Lobley, J. L. 1908 A, 194.
Loomis, F. B. 1921 A, 188 ("mammals").
Lorenz, L. E. F. 1807 A.
Lubosch, W. 1906 A, 549 ("säugetiere").
1906 B, 323 ("säugetiere").
1907 A, 613 ("säugetiere").
1909 A, 5 ("säugetiere").
1911 A, 311 ("säugetiere").
1911 B, 738-748.
1923 A, 69 ("säugetiere").
1926 A, 109 ("säuger").
Lull, R. S. 1904 C, 1 ("mammals").
1906 B, 554.
1910 D, 153.
1917 B, 295, 308, 322, 338, 539.
1918 C, 134 ("mammals").
Lydekker, R. 1899 B, 922.
1893 F, 174 ("mammals").
1901 A, 645 ("mammals").
1902 B, 373 ("mammals").
1903 D, 101.
1905 D, 230 ("mammals").
1912 C, 8, 9, 17, 26.
Macdonald, W. 1841 A, 131 ("mammals").
1863 A, 57 ("mammals").
Mackie, S. J. 1863 D, 332.
Magitot, E. 1875 A, 46 ("mammifères").
Major, C. J. F. 1899 B, 60.
1901 A, 150.
1901 B, 241 ("mammals").
Mantell, G. A. 1844 A, 820.
Martins, C. 1857 A ("mammifères").
1872 A, 308 ("mammifères").
Matschie, P. 1896 A, 245 ("säugetiere").
Matthes, E. 1921 A, 215, 222 ("säugetiere").
1921 C ("säuger").
Matthew, W. D. 1904 D, 811.
1908 C, 68.
1913 B, 285 ("mammalian").
1914 G, 232 ("mammals").
1915 A, 171.
1916 C, 518 ("mammals").
1916 H, 11.
1916 I, 107 ("mammals").
1923 A, 109.
1928 B, 947.
Matthew and Granger 1917 A, 323.
Mead, C. S. 1904 A, 53 ("mammals").
1906 A, 475.
Meckel, J. F. 1825 A ("säugethiere").
Meek, A. 1907 A, 410 ("mammals").
1911 A, 375 ("mammals").
Merriam, C. H. 1906 A, 243 ("mammals").
Meunier, S. 1903 A, 774 ("mammifères").
Miller, G. S. 1912 B.
1920 B, 380 ("mammals").
1924 C.
Mivart, St. G. 1871 B, 380 ("mammals").
1888 A, 372.
Mivart and Clarke 1879 A, 525 ("mammals").
Montgomery, T. H. 1901 A, 21733 ("mammals").
Moodie, R. L. 1908 D, 443.
1908 H, 221 ("mammals").
1915 H, 638.
1915 I, 139, 159 ("mammals").
1926 A, 91 ("mammals").
Mook, C. C. 1918 A, 465.

Morita, S. 1912 A, 1, figs. 1-4 ("säugetiere").
Müller, F. 1911 A, 335 ("mammals").
Mutel, —— 1921 A, 521 ("mammifères").
Mysberg, W. A. 1917 A, 643-668.
Nat. Sci. 1898 A, 370.
Nauck, E. T. 1923 A, 1.
1926 A, 208 ("säuger").
Nopcsa, F. 1907 A, 228 ("mammals").
1923 E, 1047.
1923 H, 159, 175, 187, tab. ("säugetiere," "mammalier").
1926 A, 634.
Nowikoff, M. M. 1909 A, 1 ("mensch," "maus").
Oehngren, S. 1919 A, 161 ("säugetiere").
Oken, L. 1819 A, 1529 ("säugethiere").
1823 A, 274-350 ("säugethiere").
Olmstead, M. P. 1911 A, 339 ("säugetiere").
Osborn, H. F. 1893 N, 187.
1898 U, 686.
1902 D, 259.
1902 E, 354.
1903 F, 276.
1904 M, 257.
1905 I, 86.
1905 N, 237 ("mammals").
1906 C, 769.
1907 E, 747 ("mammals").
1907 G, 11, 18-35, 37, 44, 91, 94, 96, 100, 219.
1907 H, 613.
1910 D, 737 ("mammals").
1912 C, 595 ("mammals").
1912 L.
1915 D, 285 ("mammals").
1916 E, 511, 602.
1917 B, 316.
1921 D, 1-11.
1924 K, 273 ("mammals").
1925 F, 962 ("mammals").
Osborn and Anthony 1922 A, 219 ("mammals").
Osburn, R. C. 1903 A, 651 ("mammals").
1906 A, 447 ("mammals").
Oswald, F. 1911 A, 403.
Owen, R. 1842 F, 87.
1846 E.
1848 B.
1851 D, 350.
1857 E.
1858 A, 1.
1868 A, 890, 891.
Packard, A. S. 1904 A, 221 ("mammals").
Palacký, J. 1902 B, 141, 150 ("säugethiere").
1902 C, 249 ("säugethiere").
Paramore, R. H. 1910 A, 1393, 1459 ("mammals").
Parker, W. K. 1869 A, 502 ("mammals").
1879 C, 342.
1885 C, 1-119.
1888 C, 397 ("mammals").
Parker and Haswell 1897 A, 417.
Parsons, F. G. 1903 A, 317 ("mammals").
Paterson, A. M. 1901 A, 21 ("mammals").
1902 A, 777.
Paulli, S. 1899 A, 145 ("säugethiere").
1900 A, 179 ("säugethiere").
Perrier, E. 1920 A ("mammifères").
Peter, K. 1902 A, 545 ("säugetiere").
Peters, W. 1867 A, 727 ("säugethiere").
1867 B, 780 ("säugethiere").
Peters, W. 1867 C, 953.
1868 A, 592 ("säugethiere").
1868 B, 388.
1874 A, 40 ("säugethiere").
Petronievics, B. 1917 A, 287 ("mammals").
1919 B, 206 ("mammals").
1921 A, 105 ("mammifères").
Pfeiffer, H. 1854 A.
Pinkus, F. 1904 A, 162 ("säugetiere").
Plieninger, F. 1906 A, 406 ("säugetiere").
Poche, F. 1911 B.
Popowa, N. 1913 A, 282 ("säugetiere").
Pouchet and Chabry 1884 A, 149 ("mammifères").
Pycraft, W. P. 1909 A, 204.
Rabl, C. 1903 A, 166, 172 ("säugetiere").
Regnault, F. 1903 A, 109 ("mammifères").
Rehs, J. 1914 A, 1.
Reichert, C. 1837 A, 120.
Reichert, K. B. 1849 A, 443 ("säuger").
Retterer, E. 1884 A, 467 ("mammifères").
1905 A, 120 ("mammifères").
1905 B, 204 ("mammifères").
1905 D, 366 ("mammifères").
1906 A, 198 ("mammifères").
1908 A, 485 ("mammifères").
1908 B, 535 ("mammifères").
Retterer and Lelièvre 1910 B, 986 ("mammifères").
Retterer and Vallois 1912 C, 432 ("mammifères").
Retzius, A. 1849 A, 593 ("säugethiere").
1852 A, 44 ("säugethiere").
Reynolds, S. H. 1897 A, 343-527.
Römer, F. 1893 A, 526 ("säugetiere").
Röse, C. 1892 F, 399 ("säugetiere").
1892 G, 144 ("säuger.")
Romer, A. S. 1922 A, 39, 41.
1924 A, 132.
1924 C, 95-102, figs. 1-3.
Rosenberg, E. 1895 A, 298 ("säugetiere").
Ruge, G. 1879 A, 192 ("säugethiere").
1892 B, 376 ("säugethiere").
Rutland, J. 1901 A, 21032 ("mammals").
Ryder, J. 1887 A, 344, 352.
1887 B.
Sabatier, A. 1897 A, 806 ("mammifères").
1902 A, 100 ("mammifères").
Salensky, W. 1880 A, 415.
Scharff, R. F. 1895 A, 436 ("mammifères").
Schauinsland, H. 1906 A, 514.
Schenk, F. 1896 A, 214 ("säugethiere").
Schlosser, M. 1898 D, 120 ("säugethiere").
1899 C, 165 ("säugethiere").
1899 I, 345 ("säugethiere").
1899 T, 452 ("säugethiere").
1900 C, 132 ("säuger").
1902 F, 134 ("mammals").
1902 J, 117 ("säugethiere").
1903 G, 144.
Schmalhausen, J. J. 1908 B, 373 ("säugetiere").
Schmidt, O. 1886 A.
Schöne, G. 1902 A, 244 ("säugethiere").
Schoenichen, W. 1900 A, 501 ("säugethiere").
Schorr, G. 1907 A, 25 ("säugetiere").
Schuchert, C. 1915 A, 828, 927 ("mammals").
Schuchert and Barrell 1914 A, 7, 24 ("mammals").

Schuchert and Levene 1927 A, 309.
Schwalbe, G. 1904 A ("säugetiere").
Schwarz, E. 1924 A, 393 ("mammals").
Sclater, P. L. 1875 A, 202 ("mammals").
Scott, W. B. 1913 A, 1, 50, 57, 643.
1917 A, 32, 33.
1928 B, 257 ("mammals").
Seeley, H. G. 1872 A, 38 ("mammals").
1876 C, 157, 175, 186 ("mammals").
1878 A, 221.
1899 B, 68.
1908 B, 377.
1908 D, 616.
Semon, R. 1901 B, 130 ("säuger").
Sera, G. L. 1921 A, 45 ("mammiferi").
Serres, M. 1852 A ("mammifères").
1852 B, 179 ("mammifères").
1863 B, 1028 ("mammifères").
Sewertzoff, A. 1896 A, 274.
Seydel, O. 1899 A ("mammalier").
Shiino, K. 1914 A, 378 ("säuger").
Shimer, H. W. 1903 A, 819 ("mammals").
Shore, T. W. 1887 A, 362.
Shufeldt, R. W. 1911 A, 65.
Simpson, G. G. 1925 B, 564.
1926 A, 548 ("mammals").
1926 B, 238.
1926 E, 6, 10.
1927 G, 259.
1928 C, 161.
Sippel, W. 1907 A, 490, 506, 516 ("säuger").
Sixta, V. 1899 A, 329 ("säugethiere").
1901 A, 321 ("mammalier").
1905 A, 671.
Smith, G. E. 1911 A, 293.
1912 A, 424 ("mammals").
1913 A, 559 ("mammals").
Smith, W. R. 1908 A, 126 ("mammals").
Sollas and Sollas 1913 A, 61 ("mammals").
Sonies, F. 1907 A, 404 ("säugetiere").
Spencer, W. B. 1886 A, 220.
Spurrell, H. G. F. 1906 A, 123 ("mammals").
Stach, J. 1905 A, 283 ("säugetiere").
Starks, E. C. 1926 A, 83.
Steinmann, G. 1907 A, 461.
1908 A, 213, 231 ("säuger").
1909 A, 65 ("säuger").
1910 A, 100 ("säuger").
1912 B, 717 ("säuger").
Stephan, P. 1900 A, 361 ("mammifères").
Sterling, S. 1908 A, 333 ("säugetiere").
Strasser, H. 1905 A, 139 ("säuger").
1905 B, 194 ("säugetiere").
Stratz-Haag, C. H. 1906 A, 91 ("säugetiere").
Strecker, C. 1887 A, 310 ("säugethiere").
Stromer, E. 1902 B, 553 ("säugethiere").
1903 C, 61 ("säugetiere").
1912 A, 148, 242.
Strong, R. M. 1921 A, 203 ("mammals").
Sushkin, P. P. 1910 A, 241 ("säugetiere").
1927 A, 307, 319 ("mammals").
Sutton, J. B. 1884 A, 571.
Swinnerton and Howes 1901 A, 70.
Symington, J. 1892 A, 577.
Taschenberg, O. 1899 A, 4365-4708.
Terra, P. 1911 A, 245 ("säugetiere").
Terry, R. J. 1909 A, 525 ("mammals").
Thacker, A. G. 1914 A, 283.
Thäter, K. 1910 A, 511 ("säuger").
Thevenin, A. 1910 A, 58 ("mammifères").
Thilenius, G. 1897 A, 483 ("säugetiere").
Thomas, O. 1911 B, 120 ("mammals").
Thompson, A. H. 1906 A, 262.
Thyng, F. W. 1906 A, 35.
Tims, H. W. M. 1901 A, 265.
1902 A, 321.
1903 A, 131.
1905 B, 1784.
1911 A, 294.
Todd, T. W. 1922 A, 261.
Toldt, C. 1904 A, 43 ("säugetiere").
1905 A, 315 ("säugetiere").
Tornier, G. 1888 A, 223 ("säugethiere").
1891 A, 113 ("säugetiere").
1894 A, 97 ("säugetiere").
1894 B, 102 ("säugetiere").
1909 A, 195 ("säugetiere").
Tornquist, A. 1897 A, 684.
Tourneux, F. and J. P. 1912 A, 57 ("mammifères").
Turner, H. N. 1847 A, 110.
Underhill, B. M. 1910 A, 75 ("mammals").
Vallois, H. V. 1921 B, 974 ("mammifères").
Van Bemmelen, J. F. 1901 A ("säugethiere").
1914 A, 524 ("mammals").
1928 A, 283 ("mammifères").
Van den Broeck, A. J. P. 1912 A, 781 ("säuger").
Van den Broeck, E. 1900 A, 60 ("mammifères").
Van Wijhe, J. W. 1905 A, 17 ("säugetiere").
Vaughn, T. W. 1924 A, 688 ("mammals").
Veit, O. 1916 A, 371 ("säugetiere").
1924 A, 375 ("säuger").
Versluys, J. 1903 A, 173.
1919 A, 27 ("säugetiere").
Vialleton, L. 1917 A, 190 ("mammifères").
1919 A, 307 ("mammifères").
Vicq-d'Azyr, F. 1792 A, lxxvi ("quadrupèdes").
1819 A, 1-100 ("mammifères").
Virchow, H. 1909 A, 418 ("säugetiere").
1914 A, 87 ("säugetier").
1914 C, 132 ("säugetiere").
1921 A, 135 ("säugetiere").
Vogt, C. 1879 A, 245 ("mammifères").
Voit, M. 1909 B, 139 ("säugetiere").
1923 A, 70 ("säugetiere").
Wagner, R. 1843 A, 9.
Wallace, A. R. 1876 A, I, 497; II, 585.
1894 A, 433.
Wallisch, W. 1906 A, 307 ("säugetiere").
Walmsley, T. 1918 A, 326 ("mammals").
Watson, D. M. S. 1911 A, 323 ("mammals").
1913 D, 24 ("mammals").
1913 G, 228 ("mammals").
1914 A, 310 ("mammals").
1914 D, 168 ("mammals").
1914 J, 1037 ("mammalian").
1916 A, 342, 345, 356.
1917 A, 979.
1917 B, 49.
Weber and Abel 1928 A.
Weidenreich, F. 1913 A, 498 ("säuger").
1922 A, 32 ("säuger").
1926 A, 45, 53 ("säugetiere").
Weitzel, A. 1865 A, 318 ("säugethiere").
White, C. A. 1885 A, 62 ("mammals").

Whitehead and Waddell 1911 A, 89.
Wiedersheim, R. 1880 E, 493 ("säugethiere").
1892 A, 55.
Wieland, G. R. 1925 B, 564 ("mammals").
Wilckens, O. 1911 A, 708 ("säugetiere").
Wilder, B. G. 1865 A, 46.
1868 A.
1872 B.
Williston, S. W. 1904 B, 176.
1912 E, 262.
1916 D, 152 ("mammals").
1917 C, 412 ("mammals").
1925 A, 126.
Wiman, C. 1916 D, 413 ("mammals").
Windle, B. C. A. 1905 A, 1055 ("säuger").
Woodward, A. S. 1898 D, 328.
1898 E, 330 ("mammals").
1910 B, 465 ("mammal").
1917 D, lxxvii.
Woodward, A. S. 1923 A, 29, 32.
Woodward, H. 1904 B, 153.
Woodward, M. F. 1894 B, 438.
Woodward and Sherborn 1891 A, 33.
Wortman, J. L. 1903 A, xv, 163.
1921 A, 177.
Wright, W. 1909 A, 678 ("mammals").
Wyman, J. 1867 B, 274 ("mammals").
Young, G. W. 1915 A, 255.
Ziegler, H. E. 1901 A, 232, 235 ("säugethiere")
1924 A, lx ("säugetiere").
Zierler, F. E. 1905 A, 511 ("säugetiere").
Zietzschmann, O. 1917 A, 433 ("säugetiere").
Zittel, K. A. 1895 A, 306.
1897 A, 130.
1901 A, 418 ("mammals").
Zittel and Schlosser 1911 A, 325.
1923 A, 402-689.

Subclass PROTOTHERIA Gill.

Hay, O. P. 1902 A, 555.
Arldt, T. 1907 D, 147, 390.
Bensley, A. 1903 B, 84.
Berry, E. W. 1920 A, 210.
Broom, R. 1897 B, 252 (Protheria).
1910 B, 765.
1914 B, 118.
Case, E. C. 1898 C, 821.
Cope, E. D. 1891 N, 64, 65.
Duckworth, W. L. H. 1904 A, 20.
Gadow, H. 1912 A, 818.
Gidley, J. W. 1909 A, 624 (Protheria).
Gregory, W. K. 1910 A, 225, 230.
1920 A, 234.
Huxley, T. H. 1880 E, 462.
Lull, R. S. 1910 D, 153.
Lydekker, R. 1902 B, 374.
Matthew, W. D. 1904 D, 811.
1915 A, 270 (Monotremata).
1928 B, 949.
Osborn, H. F. 1898 U, 686.
1899 J, 415.
1907 G, 11, 100.
1907 H, 613.
Parker, W. K. 1885 C, 116.
1886 A, 269.
Reynolds, S. H. 1897 A, 346, 348.
Schuchert, C. 1915 A, 928.
Scott, W. B. 1913 A, 57, 59, 76.
Shufeldt, R. 1911 A, 72.
Smith, G. E. 1911 A, 293.
1912 A, 425.
1913 A, 560 ("prototherian").
Stromer, E. 1912 A, 162, 242.
Thomas, O. 1887 A, 312.
Weber, M. 1904 A, 317 (Monotremata); 302, 317 (Prototheria).
Winge, H. 1923 A, 92.
Woodward, H. 1904 B, 153.
Wortman, J. L. 1902 A, xiv, 21.

Order PROTODONTA Osborn.

Hay, O. P. 1902 A, 555.
Branca, W. 1915 A, 4.
Broom, R. 1914 B, 133 (Protodontia).
Cope, E. D. 1891 N, 65, 66.
Gregory, W. K. 1910 A, 163, 464.
1922 A, 544.
Hennig, E. 1922 A, 258 ("protodonten").
Hilzheimer, M. 1913 A, 520.
Jaekel, O. 1911 A, 204 (Haplodonta); 205 (Protodonti).
Koken, E. 1893 B, 572.
Osborn, H. F. 1898 U, 686.
1899 J, 415.
Schwarz, E. 1924 A, 419.
Scott, W. B. 1913 A, 59.
Simpson, G. G. 1926 G, 88, 90, 107.
1928 C, 166.
Weber, M. 1904 A, 358, 361.
Weber and Abel 1928 A, 85, 86.
Zittel and Schlosser 1911 A, 358 (Syn. of Dromatheriidæ).
1923 A, 437 (Syn.? Dromatheriidæ).

DROMATHERIIDÆ Gill.

Hay, O. P. 1902 A, 555.
Arldt, T. 1907 D, 651 (Dromatheridæ).
1912 A, 662 (Dromatheridæ).
Fuchs, H. 1911 B, 384.
Gregory, W. K. 1910 A, 164.
1922 A, 23.
Haeckel, E. 1893 A, xxiv (Dromatherida).
Hennig, E. 1919 A, 6.
Hennig, E. 1922 A, 260.
Lydekker, R. 1896 C, 277.
Trouessart, E. L. 1905 A, 863 (Dromatheridæ).
Weber, M. 1904 A, 361.
Winge, H. 1923 A, 91.
Zittel and Schlosser 1911 A, 358.
1923 A, 437, 442, 663.

DROMATHERIUM Emmons. Type *D. sylvestre* Emmons.

Hay, O. P. 1902 A, 555.
Abel, O. 1913 B, 709.
1920 A, 406.
Adloff, P. 1903 A, 362, 369, fig. 4.
Bardenfleth, K. S. 1913 A, 75.
Beddard, F. E. 1902 A, 98.
Bolk, L. 1922 A, 111.
Branca, W. 1915 A, 4.
Broom, R. 1908 A, 1059.
Dependorf, T. 1907 C, 99.
Gidley, J. W. 1906 F, 98, fig. 11 (Dromotherium).
Gregory, W. K. 1910 A, 137, 163.
1910 C, 298.
1922 A, 534 (Dromotherium).
Hennig, E. 1919 A, 6.
Hertz, M. 1925 A, 544.
Hilzheimer, M. 1913 A, 520.
Hobbs, W. H. 1901 A, 23.
Huene, F. 1918 A, 208, 210.
1925 C, 179.
Koken, E. 1893 B, 510.
Lankester, E. R. 1905 A, 189, fig. 136.
Lavocat, A. 1896 A, 26.
Lucas, F. A. 1902 B, 186, fig.
Matthew, W. D. 1928 B, 947.
Osborn, H. F. 1905 H, 209 (Dromotherium).
1905 I, 95 (Dromotherium).
1907 G, 18, 193, fig. 43.
Palmer, T. S. 1904 A, 245, 881.
Rice and Gregory 1906 A, 178 ("mammal").
Simpson, G. G. 1925 B, 336, fig. 6.
1926 A, 548.
1926 G, 87, 99.
Simpson, G. G. 1928 E, 155, 165.
Steinmann, G. 1907 A, 465, fig. 807.
Thompson, A. H. 1900 A, 920 (Dromotherium).
Tims, H. W. M. 1903 A, 139.
Trouessart, E. L. 1905 A, 863 (Dromotherium).
Wallace, A. R. 1876 A, I, 134, 160.
Weber, M. 1904 A, 358, 361.
Weber and Abel 1928 A, 85, fig. 48.
Williston, S. W. 1925 B, 245 (Dromotherium).
Woodward, M. F. 1894 B, 447 (Dromotherium).
Zittel and Schlosser 1911 A, 358.
1923 A, 437, 663.

By G. G. Simpson (1926 A, 548) this genus is referred to the cynodont reptiles.

Dromatherium sylvestre Emmons.

Hay, O. P. 1902 A, 556.
Branca, W. 1915 A, 5, fig. 1.
Depéret, C. 1907 B.
Gregory, W. K. 1922 A, 23, fig. 15.
Koken, E. 1893 B, 283.
Lull, R. S. 1917 B, 544, fig. 171.
Lydekker, R. 1896 C, 278.
Osborn, H. F. 1904 F, 4.
Palacký, J. 1903 A, 4.
Philippi, E. 1903 A, 20, fig.
Ruschenberger and Tryon 1879 A, 91.
Schuchert, C. 1910 A, 579 (Dromotherium).
Simpson, G. G. 1926 G, 88, 93, figs. 1, 3.
Van den Broeck, E. 1900 A, 60 (D. silvestre).
Zittel and Schlosser 1911 A, 358, fig. 515.
1923 A, 437, fig. 551.

Triassic; North Carolina.

MICROCONODON Osborn. Type *M. tenuirostris* Osborn.

Hay, O. P. 1902 A, 556.
Abel, O. 1920 A, 406.
Adloff, P. 1903 A, 362, fig. 4.
Branca, W. 1915 A, 4.
Broom, R. 1908 A, 1059.
Depéret, C. 1907 B.
Gregory, W. K. 1910 A, 137, 163.
1922 A, 540.
Hennig, E. 1919 A, 6.
Hertz, M. 1925 A, 544.
Hilzheimer, M. 1913 A, 520.
Hobbs, W. H. 1901 A, 23.
Koken, E. 1893 B, 283.
Matthew, W. D. 1928 B, 947.
Osborn, H. F. 1905 H, 209.
1905 I, 95.
1907 G, 18, 193, fig. 43.
Palmer, T. S. 1903 A, 873 (Tytthoconus).
1904 A, 421, 881 (Microconodon); 699, 881 (Tytthoconus).
Rice and Gregory 1906 A, 178 ("mammal").
Schlosser, M. 1899 I, 346.
Simpson, G. G. 1925 B, 336, fig. 6.
1926 A, 548.
Simpson, G. G. 1926 G, 87, 93, 99.
1928 C, 211.
1928 E, 155, 165.
Thompson, A. H. 1900 A, 921 (Microconodon).
Tims, H. W. M. 1903 A, 139.
Trouessart, E. L. 1905 A, 863 (Tyttoconus).
Weber, M. 1904 A, 358, 361.
Woodward, M. F. 1894 B, 447.

By G. G. Simpson (1926 A, 548) this genus is referred to the cynodont reptiles.

Microconodon tenuirostris Osborn.

Hay, O. P. 1902 A, 556.
Branca, W. 1915 A, 5, fig. 2.
Gregory, W. K. 1922 A, 24, fig. 15.
Osborn, H. F. 1904 F, 5.
Palacký, J. 1903 A, 4.
Philippi, E. 1903 A, 20, fig.
Schuchert, C. 1910 A, 579.
Simpson, G. G. 1926 G, 88, 97, figs. 2, 3.
Trouessart, E. L. 1905 A, 863 (Tyttoconus).
Van den Broeck, E. 1900 A, 60 (Micronodon).

Triassic; North Carolina.

Subclass ALLOTHERIA Marsh.

Marsh, O. C. 1880 F, 239.

The writer acknowledges the aid of Dr. G. G. Simpson in arranging this subclass.

Simpson, G. G. 1928 C, 171.

See also under the order Multituberculata.

Order TRICONODONTA Zittel.

Zittel, K. A. 1893 B, 97.
Abel, O. 1914 A, 45.
Beddard, F. E. 1902 A, 99.
Broom, R. 1914 B, 133 (Triconodontia).
1924 B, 64, fig. 13.
Gregory, W. K. 1910 A, 170, 172, 464.
1916 A, 240.
1922 A, 547.
Hertz, M. 1925 A, 558.
Osborn, H. F. 1893 A, 389 ("triconodonts").
1893 D, 389, 390 ("triconodonts").
1899 J, 415.
1907 G, 11, 21.
Owen, R. 1879 D, 149 ("triconodonts").
Schwarz, E. 1924 A, 419.
Simpson, G. G. 1924 A, 39 ("triconodonts").
1925 A, 229 ("triconodonts").
1925 B, 148, 334, 354, 465, 466, 559, 560, 565.
1926 E, 8 ("triconodonts").
1927 G, 259.
1928 C, 171, 183, 195.
1928 K, 462, 469.
Stromer, E. 1908 B, 168.
Weber and Abel 1928 A, 86.
This order is included in the Allotheria only provisionally.

TRICONODONTIDÆ Marsh.

Marsh, O. C. 1887 A, 341.
Hay, O. P. 1902 A, 566.
Abel, O. 1913 B, 710.
Arldt, T. 1907 C, 676.
1907 D, 686.
1911 A, 229 ("triconodontiden").
Case, E. C. 1898 C, 824.
Gregory, W. K. 1922 A, 42.
1926 B, 410 ("triconodonts").
Hennig, E. 1922 A, 259, 260 ("triconodonten").
Lydekker, R. 1896 C, 273.
Matthew, W. D. 1915 A, 268.
Osborn, H. F. 1898 U, 686.
Palacký, J. 1903 A, 3 ("triconodontiden").
Palmer, T. S. 1904 A, 775, 887.
Simpson, G. G. 1925 B, 357, 465, 466.
1928 C, 67, 70.
Trouessart, E. L. 1905 A, 860.
Weber, M. 1904 A, 361.
Zittel and Schlosser 1911 A, 359.
1923 A, 437, 438, 442, 664.

TRICONODONTINÆ Hay.

Hay, O. P. 1902 A, 566.
Osborn, H. F. 1907 G, 22.
Simpson, G. G. 1925 B, 357.
1928 C, 76.

TRICONODON Owen. Type *T. mordax* Owen.

Hay, O. P. 1902 A, 567.
Abel, O. 1920 A, 418, fig. 635.
Adloff, P. 1903 A, 360.
Ärnbäck-Christie-Linde A, 1912 B, 275.
Bardenfleth, K. S. 1913 A, 71.
Beddard, F. E. 1902 A, 99.
Behlen, H. 1906 A, 210.
Bensley, B. A. 1903 A, 181.
Dependorf, T. 1907 C, 98.
Fuchs, H. 1911 B, 384.
Gidley, J. W. 1906 E, 665.
1906 F, 96, fig. 12.
Gregory, W. K. 1910 A, 173, 176.
1922 A, 547, fig. 22.
Heilprin, A. 1887 A, 335.
Hertz, M. 1925 A, 558, 569.
Lydekker, R. 1896 C, 273.
1899 B, 926.
1914 A, 630.
Matthew, W. D. 1922 A, xiii.
Osborn, H. F. 1904 G, 321.
1904 K, 256.
1907 G, 25, 218, 222, figs. 8, 207.
Owen, R. 1860 E, 317, 318.
Owen, R. 1879 D, 149.
Röse, C. 1892 G, 147.
Simpson, G. G. 1924 A, 39.
1925 A, 229.
1925 B, 149, 152, 336, 352, 355, 466, 559, 565, figs. 6, 21.
1926 H, 212.
1927 G, 260, figs. 1, 4.
1928 C, 214, fig. 10.
1928 K, 462.
Thomas, O. 1888 A, 447.
Tims, H. W. M. 1903 A, 139.
1905 B, 1786.
Trouessart, E. L. 1905 A, 861.
Weber, M. 1904 A, 341, 343, 355, 358, 359, 361.
Weber and Abel 1928 A, 86, fig. 50.
Willett, E. W. 1881 A, 377, fig.
Woodward, A. S. 1912 B, 100, pl. xv.
Zittel and Schlosser 1911 A, 359.
1923 A, 437.
Triconodon bisulcus having been referred to the genus *Trioracodon*, *Triconodon* is at present without a representative in North America.

TRIORACODON Simpson. Type *Triconodon ferox* Owen.

Simpson, G. G. 1928 B, 88, fig. 19.
Consult also the citations under *Triconodon*.

Trioracodon bisulcus (Marsh).

Hay, O. P. 1902 A, 567 (Triconodon).
Gidley, J. W. 1906 F, 109, pl. v, figs. 1, 1a (Triconodon).
Gilmore, C. W. 1909 B, 39 (Triconodon).

Mook, C. C. 1916 A, 134 (Triconodon).
Simpson, G. G. 1925 B, 152, 357, figs. 1-4; 338, 351, 354, figs. 11, 12 (Triconodon. This species?).
Simpson, G. G. 1928 B, 88, text-fig. 19.
1928 K, 462, fig. 1.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

PRIACODON Marsh. Type *Tinodon ferox* Marsh.

Hay, O. P. 1902 A, 567.
Abel, O. 1922 C, 438, fig. 374.
Gregory, W. K. 1922 A, 44.
Hennig, E. 1919 A, 6.
Osborn, H. F. 1907 G, 25, fig. 8 (Triconodon).
Simpson, G. G. 1924 A, 39.
1925 A, 229.
1925 B, 149, 159, 336, 344, 355, 465, figs. 1, 2, 6, 15, 16; 559, 563, 564, figs. 1, 2.
1926 G, 102, fig. 3.
1926 H, 212.
1928 C, 195.
Trouessart, E. L. 1905 A, 861.
Van den Broeck, E. 1900 A, 61.
Weber, M. 1904 A, 361.
Zittel and Schlosser 1911 A, 359.
1923 A, 437.

Priacodon ferox Marsh.

Hay, O. P. 1902 A, 567.
Cannon, G. L. 1906 B, 196 (This species?).
Gilmore, C. W. 1909 B, 39 (Priacodon, Tinodon).
Leche, W. 1902 A, 37 (Triconodon).
Lull, R. S. 1917 B, 545, fig. 172 (Triconodon).
Mook, C. C. 1916 A, 133.
Seeley, H. G. 1893 B, 275, fig. (Triconodon).
Simpson, G. G. 1925 B, 159, 165, 344, 357, figs. 5, 15; 341, 342, figs. 13, 14 (This species?).
Woodward, A. S. 1923 C, 80, fig. 75.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming, Colorado?

Priacodon grandævus Simpson.

Simpson, G. G. 1925 B, 350, 357, figs. 20, 27.
Upper Jurassic (Morrison); Wyoming.

Priacodon lulli Simpson.

Simpson, G. G. 1925 B, 346, 357, figs. 17, 18.
Upper Jurassic (Morrison); Wyoming.

Priacodon robustus (Marsh).

Hay, O. P. 1902 A, 567 (Tinodon).
Gilmore, C. W. 1909 B, 39 (Tinodon).
Mook, C. C. 1916 A, 134 (Tinodon).
Simpson, G. G. 1924 A, 39.
1925 A, 229.
1925 B, 162, 165, 357, figs. 6, 7.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

AMPHILESTINÆ Osborn.

Osborn, H. F. 1888 G, 228.
Simpson, G. G. 1925 B, 357.
Weber, M. 1904 A, 361 (Amphilestidæ).

PHASCOLODON Simpson. Type *P. gidleyi* Simpson.

Simpson, G. G. 1925 B, 334, 467, 559, 565.
1926 H, 212.
1928 C, 213.

Phascolodon gidleyi Simpson.

Simpson, G. G. 1925 B, 334, 357, fig. 8.
Upper Jurassic (Morrison); Wyoming.

APLOCONODON Simpson. Type *A. comoënsis* Simpson.

Simpson, G. G. 1925 B, 148, 149, 336, 356, 559, 565.
1926 H, 212.
1928 C, 210.

Aploconodon comoënsis Simpson.

Simpson, G. G. 1925 B, 148, 149, 336, 356, 357, figs. 9, 10.
Upper Jurassic (Morrison); Wyoming.

Order SYMMETRODONTA Simpson.

Simpson, G. G. 1925 B, 559, 563, 568, 569.
1928 C, 97, 175, 183, 195.
1928 K, 462, 469.
Weber and Abel 1928 A, 86.
This order is arranged only provisionally in the Allotheria.

TINODONTIDÆ Marsh.

Marsh, O. C. 1879 F, 216.
Hay, O. P. 1902 A, 567 (Tinodontinæ).
Hennig, E. 1921 A, 261 (Tinodontidæ).
Marsh, O. C. 1887 F, 288 (Phascolotheriidæ).
Osborn, H. F. 1907 G, 22 (Phascolotheriinæ).
Palmer, T. S. 1904 A, 774, 887 (Tinodontidæ).
Simpson, G. G. 1925 B, 451, 465, 466, 469 (Spalacotheriidæ).
1928 C, 98, 175 (Spalacotheriidæ).

TINODON Marsh. Type *T. bellus* Marsh.

Hay, O. P. 1902 A, 567 (Tinodon); 568 (Menacodon).
Abel, O. 1914 A, 45.
1922 C, 437, fig. 368 (Tinodon); 437, fig. 370 (Menacodon).
Bardenfleth, K. S. 1913 A, 71.
Bensley, B. A. 1902 A, 4.
Broom, R. 1909 C, 136 (Menacodon).

Gidley, J. W. 1906 F, 101.
Gregory, W. K. 1910 A, 173 (Menacodon).
1916 A, 240, fig. 2 (Menacodon).
1922 A, 84 (Tinodon, Menacodon).
Hennig, E. 1919 A, 6 (Tinodon, Menacodon).
Osborn, H. F. 1907 G, 25, figs. 9, 43 (Menacodon); fig. 10 (Tinodon).
Palmer, T. S. 1904 A, 680, 887 (Tinodon); 409, 887 (Menacodon).
Simpson, G. G. 1925 B, 165, 451, 464-467, 563, 569, fig. 1.
1926 H, 212.
1928 C, 214.
Trouessart, E. L. 1905 A, 861 (Tinodon, Menacodon).
Van den Broeck, E. 1900 A, 61.
Weber, M. 1904 A, 361 (Tinodon, Menacodon).
Weber and Abel 1928 A, 86, 87, fig. 50.
Zittel and Schlosser 1911 A, 359 (Menacodon).
1923 A, 437 (Tinodon, Menacodon).

Tinodon bellus Marsh.

Hay, O. P. 1902 A, 567.
Gilmore, C. W. 1909 B, 39.
Gregory, W. K. 1922 A, 47, fig. 24.
Mook, C. C. 1916 A, 133.
Simpson, G. G. 1925 B, 451, 459, figs. 1-3; 569.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Tinodon lepidus Marsh.

Hay, O. P. 1902 A, 567 (T. lepidus); 568 (Menacodon rarus).
Gilmore, C. W. 1909 B, 39 (T. lepidus, Menacodon rarus).
Gregory, W. K. 1922 A, 47, fig. 24 (Menacodon rarus).
Merrill, G. P. 1907 A, 46 (Menacodon rarus).
Mook, C. C. 1916 A, 133 (T. lepidus, Menacodon rarus).
Simpson, G. G. 1925 B, 451, 456, 459, figs. 4, 5; 569.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Tinodon sp. indet.

Simpson, G. G. 1925 B, 158. Upper Jurassic (Morrison); Wyoming.

AMPHIDONTIDÆ Simpson.

Simpson, G. G. 1925 B, 451, 460, 469, 569.
Simpson, G. G. 1928 C, 98.

AMPHIDON Simpson. Type *A. superstes* Simpson.

Simpson, G. G. 1925 B, 451, 460, 468, 469, 558, 563, 569, figs. 1, 2.
1926 H, 212.
1928 C, 209.
Weber and Abel 1928 A, 87.

Amphidon æquicrurius Simpson.

Simpson, G. G. 1925 B, 451, 463, 465, figs. 8, 9; 569.
Upper Jurassic (Morrison); Wyoming.

Amphidon superstes Simpson.

Simpson, G. G. 1925 B, 451, 460, 465, figs. 6, 7; 569.
Upper Jurassic (Morrison); Wyoming.

Order PANTOTHERIA Marsh.

Marsh, O. C. 1880 F, 239.
Gregory, W. K. 1910 A, 171, 172, 177, 196, 464 (Trituberculata).
1916 A, 241 (Trituberculata).
1922 A, 26, 31, 43, 55, 56, 59, 85, 99 (Trituberculata).
Hertz, M. 1925 A, 543 (Trituberculata).
Jaekel, O. 1911 A, 206 (Trituberculati).
Osborn, H. F. 1891 in Zittel, K. A., 1893 B, (1891), 96, 100 (Trituberculata).
1907 G, 12, 22, 115 (Trituberculata).
1910 B, 519 (Trituberculata).
Schwarz, E. 1924 A, 419 (Trituberculata).
Simpson, G. G. 1926 B, 238 ("trituberculates").
1928 B, 306 ("pantotheres").
1928 C, 106, 214.
1928 K, 462, 469.
Weber and Abel 1928 A, 86 (Trituberculata).
Zittel and Schlosser 1911 A, 360 (Pantotheriidæ).
1923 A, 438 (Pantotheriidæ).
This order is placed in the Allotheria only provisionally.

PAURODONTIDÆ Marsh.

Hay, O. P. 1902 A, 568.
Abel, O. 1913 B, 710.
Hennig, E. 1921 A, 261.
Lechę, W. 1907 A, 47 (Peralestidæ).
Osborn, H. F. 1907 G, 23.
Simpson, G. G. 1927 C, 410.
1928 B, 306.
1928 C, 113, 120, 212.
Zittel and Schlosser 1911 A, 361 (Paurodontinæ).
1923 A, 439 (Paurodontinæ).

PAURODON Marsh. Type *P. valens* Marsh.

Hay, O. P. 1902 A, 569.
Abel, O. 1922 C, 437, fig. 367.
Ameghino, F. 1898 C, 74.
Ameghino, F. 1902 D, 439.
1906 A, 38.
Gidley, J. W. 1906 F, 101, pl. v, fig. 5.

Gregory, W. K. 1910 A, 195.
Hennig, E. 1919 A, 6.
Osborn, H. F. 1907 G, 29, 219, figs. 26, 207.
Palmer, T. S. 1904 A, 517, 884.
Simpson, G. G. 1925 B, 563, fig. 1.
1926 H, 213.
1927 C, 410.
1928 B, 308.
1928 C, 212.
Van den Broeck, E. 1900 A, 62.
Weber, M. 1904 A, 361.
Zittel and Schlosser 1911 A, 361.
1923 A, 439.

Paurodon valens Marsh.

Hay, O. P. 1902 A, 569.
Ameghino, F. 1903 A, 161, figs. 83, 85.
Gilmore, C. W. 1909 B, 39.
Gregory, W. K. 1922 A, 50.
Merrill, G. P. 1907 A, 54.
Mook, C. C. 1916 A, 133.
Trouessart, E. L. 1905 A, 859.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

ARCHÆOTRIGON Simpson. Type *A. brevimaxillus* Simpson.

Simpson, G. G. 1927 C, 410.
1926 H, 213 (No definition).
1928 C, 210.

Archæotrigon brevimaxillus Simpson.

Simpson, G. G. 1927 C, 410.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

TATHIODON Simpson. Type *Tanaodon agilis* Simpson.

Simpson, G. G. 1927 E, 265 (To replace *Tanaodon*, preoccupied).
1926 H, 213 (Tanaodon; no definition).
1927 C, 410 (Tanaodon; preoccupied).
1928 C, 195.

Tathiodon agilis Simpson.

Simpson, G. G. 1927 C, 410 (Tanaodon).
1927 E, 71.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

DRYOLESTIDÆ Marsh.

Hay, O. P. 1902 A, 569.
Hennig, E. 1921 A, 261.
Leche, W. 1907 A, 59 (Stylacodontidæ).
Lydekker, R. 1888 F, 384 (Stylacodontidæ).
Osborn, H. F. 1888 C, 235 (Stylodontidæ).
1907 G, 23 (Amblotheriidæ or Stylacodontidæ).
Seeley, H. G. 1893 B, 274.
Simpson, G. G. 1927 C, 411.
1928 B, 306.
1928 C, 210.
Van den Broeck, E. 1900 A, 62 (Amblotheridæ).
Weber, M. 1904 A, 358, 361 (Stylacodontidæ).
Weber and Abel 1928 A, 128 (Stylacodontidæ).
Winge, H. 1917 A, 194 (Stylacodontidæ).
Zittel and Schlosser 1911 A, 106 (Stylodontidæ).
1923 A, 439 (Amphilestinæ).

DRYOLESTES Marsh. Type *D. priscus* Marsh.

Hay, O. P. 1902 A, 569 (Dryolestes); 570 (Asthenodon).
Ameghino, F. 1902 D, 438.
Bardenfleth, K. S. 1913 A, 90.
Bensley, B. A. 1902 A, 4.
Bigot, A. 1897 A, 462.
Bolk, L. 1914 A, 20.
Dollo, L. 1889 G, 675, 676.
Gidley, J. W. 1906 E, 666.
1906 F, 96, pl. v, figs. 2, 3; 99, text-fig. 12.
1922 A, 268.
Gregory, W. K. 1916 A, 244, pl. i, E.
1918 A, 5, fig. 2.
1922 A, 51 (Asthenodon); 534, pl. v (Dryolestes).
Heilprin, A. 1887 A, 335.
Hennig, E. 1922 A, 212.
Hertz, M. 1925 A, 578, fig. 32.
Lankester, E. R. 1905 A, 189, fig. 136.
Lavocat, A. 1896 A, 26 (Drolestes).
Lydekker, R. 1896 C, 277.
Osborn, H. F. 1904 G, 322, pl. xxi, fig. 1.
1904 K, 256.
1907 G, 23, 27, 30, 218, 220, figs. 14, 31-34, 206, 207; 30, fig. 35 (Asthenodon).
Osborn, H. F. 1910 B, 519.
Palmer, T. S. 1904 A, 246, 876 (Dryolestes); 125, 876 (Asthenodon).
Schlosser, M. 1899 J, 354.
Simpson, G. G. 1925 B, 563, fig. 1.
1927 C, 411, 412 (Dryolestes); 411 (Asthenodon a syn.).
1928 C, 211.
Steinmann, G. 1907 A, 465, fig. 808.
Trouessart, E. L. 1905 A, 859 (Dryolestes); 860 (Asthenodon).
Van den Broeck, E. 1900 A, 62 (Dryolestes, Asthenodon).
Weber, M. 1904 A, 361.
Weber and Abel 1928 A, 88.
Zittel and Schlosser 1911 A, 360 (Syn. of Phascolestes).
1923 A, 425, 439, fig. 525.

Dryolestes obtusus Marsh.

Hay, O. P. 1902 A, 569.
Gilmore, C. W. 1909 B, 38.
Mook, C. C. 1916 A, 132.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Dryolestes priscus Marsh.

Hay, O. P. 1902 A, 569 (D. priscus, Stylacodon validus); 570 (Asthenodon segnis).
Gilmore, C. W. 1909 B, 38 (D. priscus); 39 (Stylacodon validus, Asthenodon segnis).
Mook, C. C. 1916 A, 131 (Dryolestes priscus, Asthenodon segnis).
Osborn, H. F. 1907 G, 30, fig. 32 (Phascolestes priscus).
Woodward, A. S. 1923 C, 80, fig. 75 (Dryolestes priscus).
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Dryolestes tenax Marsh.

Hay, O. P. 1902 A, 569.
Bowen, C. F. 1915 A, 144.
Lull, R. S. 1915 D, 323, 345.
Palacký, J. 1903 A, 4.
Simpson, G. G. 1927 F, 130 (Genus indet.)
Upper Cretaceous (Lance); Wyoming.

Dryolestes vorax Marsh.

Hay, O. P. 1902 A, 570.
Gilmore, C. W. 1909 B, 38.
Merrill, G. P. 1907 A, 35.
Mook, C. C. 1916 A, 132.
Osborn, H. F. 1907 G, 30, figs. 31, 33, 34. (Phascolestes).
Simpson, G. G. 1927 C, 411 (Not a Dryolestes).
Woodward, A. S. 1923 C, 80, fig. 75.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Dryolestes sp. indet.

Gregory, W. K. 1922 A, 55, figs. 31, 32.

HERPETAIRUS Simpson. Type *Dryolestes arcuatus* Marsh.

Simpson, G. G. 1927 C, 413.
1926 H, 213 (No definition).
1928 C, 195.

Herpetairus arcuatus (Marsh).

Hay, O. P. 1902 A, 569 (Dryolestes).
Gilmore, C. W. 1909 B, 38 (Dryolestes).
Mook, C. C. 1916 A, 131 (Dryolestes).
Simpson, G. G. 1927 C, 413.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

AMBLOTHERIUM Owen. Type *A. soricinum* Owen.

Owen, R. 1871 A, 32, pl. ii, figs. 1, 2.
Hay, O. P. 1902 A, 569 (Stylacodon); 570 (Laodon).
Abel, O. 1920 A, 418, fig. 635 (Stylodon).
1922 C, 437, fig. 369 (Stylodon), fig. 371 (Laodon).
Ameghino, F. 1902 D, 438 (Laodon).
Bolk, L. 1922 A, 112 (Stylodon).
Depéret, C. 1912 A, 707 (Stylodon).
Flower and Lydekker 1891 A, 31, 114, fig. 4.
Gregory, W. K. 1922 A, 51 (Stylacodon, Laodon).
Heilprin, A. 1887 A, 335 (Stylacodon).
Koken, E. 1893 B, 374 (Stylacodon).
Lydekker, R. 1887 A, 274.
1888 F, 384 (Stylacodon).
Nicholson and Lydekker 1889 A, 1276.
Osborn, H. F. 1907 G, 24, 29, fig. 29 (Stylacodon); 29, fig. 30 (Laodon).
1910 B, 519.
Palmer, T. S. 1904 A, 650, 877 (Stylacodon); 91, 876 (Amblotherium); 651, 877 (Stylodon); 364, 876 (Laodon).
Schuchert, C. 1910 A, 582 (Stylacodon).
Seeley, H. G. 1893 B, 274 (Laodon).
Simpson, G. G. 1926 G, 100 (Stylodon, Stylacodon).
1926 H, 213 (Stylacodon).
1927 C, 412.
1927 G, 262.
1928 B, 307, fig. 2.
1928 C, 209, fig. 40.
1928 K, 463, fig. 2.
Trouessart, E. L. 1905 A, 860 (Stylacodon); 859 (Laodon).
Van den Broeck, E. 1900 A, 62 (Laodon).
Weber, M. 1904 A, 361 (Stylacodon, Amblotherium, Laodon).
Weber and Abel 1928 A, 88.
Winge, H. 1923 A, 49, 94 (Stylacodon, Stylodon).
Zittel and Schlosser 1911 A, 361 (Stylodon).
1923 A, 439 (Stylodon).

Amblotherium debile Simpson.

Simpson, G. G. 1927 C, 411 (To replace *Dryolestes gracilis* Marsh, preoccupied).
Hay, O. P. 1902 A, 569 (Dryolestes gracilis).
Gilmore, C. W. 1909 B, 38 (Dryolestes).
1914 A, 25 (Dryolestes).
Marsh, O. C. 1881 F, 513 (Dryolestes gracilis; preoccupied).
Mook, C. C. 1916 A, 131 (Dryolestes).
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Amblotherium gracilis (Marsh).

Hay, O. P. 1902 A, 569 (Stylacodon gracilis); 570 (Laodon venustus).
Gilmore, C. W. 1909 B, 39 (Stylacodon); 39 (Laodon venustus).
Marsh, O. C. 1887 A, 337, pl. ix, fig. 5 (Laodon venustus).
Merrill, G. P. 1907 A, 61 (Stylacodon); 43 (Laodon venustus).
Mook, C. C. 1916 A, 133 (Stylacodon); 133 (Laodon venustus).
Simpson, G. G. 1927 C, 412.
Woodward, A. S. 1923 C, 80, fig. 75 (Laodon venustus).
Upper Jurassic or Lower Cretaceous; Wyoming.

LAOLESTES Simpson. Type *L. eminens* Simpson.

Simpson, G. G. 1927 C, 411.
1926 H, 213 (No definition).
1928 C, 210.

Laolestes eminens Simpson.

Simpson, G. G. 1927 C, 411.
1928 K, 463, fig. 2.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

KEPOLESTES Simpson. Type *S. coloradensis* Simpson.

Simpson, G. G. 1927 C, 413.
1926 H, 213 (No definition).
1928 C, 211.

Kepolestes coloradensis Simpson.

Simpson, G. G. 1927 C, 413.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

MELANODON Simpson. Type *M. oweni* Simpson.

Simpson, G. G. 1927 C, 413.
1926 H, 213 (No definition).
1928 C, 195.

Melanodon oweni Simpson.

Simpson, G. G. 1927 C, 413, 414.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

MALTHACOLESTES Simpson. Type *M. osborni* Simpson.

Simpson, G. G. 1927 C, 414.
1926 H, 213 (No definition).
1928 C, 195.

Malthacolestes osborni Simpson.

Simpson, G. G. 1927 C, 414.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

EUTHLASTES Simpson. Type *E. cordiformis* Simpson.

Simpson, G. G. 1927 C, 414.
1926 H, 213 (No definition).
1928 C, 195.

Euthlastes cordiformis Simpson.

Simpson, G. G. 1927 C, 414.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

MICCYLOTYRANS Simpson. Type *M. minimus* Simpson.

Simpson, G. G. 1927 C, 414.
1926 H, 213 (No definition).
1928 C, 195.

Miccylotyrans minimus Simpson.

Simpson, G. G. 1927 C, 414.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

PELICOPSIS Simpson. Type *P. dubius* Simpson.

Simpson, G. G. 1927 C, 414.
1926 H, 213 (No definition).
1928 C, 195.

Pelicopsis dubius Simpson.

Simpson, G. G. 1927 C, 414.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

DICROCYNODONTIDÆ Osborn.

Osborn, H. F. 1888 F, 1078.
Hay, O. P. 1902 A, 568 (Amphitheriidæ).
Abel, O. 1914 A, 49 ("diplocynodontiden").
Gregory, W. K. 1922 A, 31, 35, 48.
Osborn, H. F. 1907 G, 24.
Seeley, H. G. 1893 B, 275.
Simpson, G. G. 1927 C, 415.
1928 B, 306.
1928 C, 211.
Zittel and Schlosser 1911 A, 361 (Diplocynodontinæ).
1923 A, 439 (Diplocynodontinæ).

DICROCYNODON Marsh. Type *Diplocynodon victor* Marsh.

Hay, O. P. 1902 A, 568.
Abel, O. 1922 C, 438, fig. 377.
Bardenfleth, K. S. 1913 A, 91.
Broom, R. 1909 C, 137.
Fuchs, H. 1911 B, 384.
Gidley, J. W. 1906 E, 666.
1906 F, 100, pl. v, fig. 4.
Gregory, W. K. 1910 A, 183, 195.
1922 A, 59 (Diplocynodon).
Hennig, E. 1919 A, 6 (Diplocynodon).
Osborn, H. F. 1907 G, 24 (Diplocynodon); 219, figs. 4, 4a (Dicrocynodon).
Palmer, T. S. 1904 A, 228, 887.
Seeley, H. G. 1893 B, 275 (Diplocynodon).
Simpson, G. G. 1925 B, 563, fig. 1.
1926 H, 213.
1927 C, 409, 415.
1928 B, 307, fig. 2.

Simpson, G. G. 1928 C, 211.
Van den Broeck, E. 1900 A, 61.
Weber, M. 1904 A, 361.
Zittel and Schlosser 1911 A, 361 (Diplocynodon).
1923 A, 439 (Diplocynodon).

Dicrocynodon victor Marsh.

Hay, O. P. 1902 A, 568.
Gilmore, C. W. 1909 B, 38 (Diplocynodon).
Lull, R. S. 1917 B, 546, pl. xvi; text-fig. 174 (Diplocynodon).
Mook, C. C. 1916 A, 132.
Simpson, G. G. 1927 C, 416.
Trouessart, E. L. 1905 A, 862.
Woodward, A. S. 1923 C, 80, fig. 75.
Zittel and Schlosser 1911 A, 361, fig. 520 (Diplocynodon).
1923 A, 439, fig. 556 (Diplocynodon).
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Dicrocynodon sp. indet.

Gregory, W. K. 1922 A, 60, fig. 35.

Docodon Marsh. Type *D. striatus* Marsh.

Hay, O. P. 1902 A, 568.
Abel, O. 1922 C, 438, fig. 372.
Bensley, B. A. 1902 A, 4.
Broom, R. 1903 L, 345.
Gregory, W. K. 1910 A, 137.
1922 A, 59.
Osborn, H. F. 1907 G, 28, fig. 21.
Palmer, T. S. 1904 A, 241, 887.
Seeley, H. G. 1893 B, 275.
Simpson, G. G. 1926 H, 213.
1927 C, 415.
Trouessart, E. L. 1905 A, 862.
Van den Broeck, E. 1900 A, 61.
Weber, M. 1904 A, 361.

Docodon striatus Marsh.

Hay, O. P. 1902 A, 568.
Gilmore, C. W. 1909 B, 38.
Mook, C. C. 1916 A, 132.
Simpson, G. G. 1928 K, 463, figs. 2, 3.
Woodward, A. S. 1923 C, 80, fig. 75.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Ennacodon Marsh. Type *Ennodon crassus* Marsh.

Hay, O. P. 1902 A, 568.
Abel, O. 1922 C, 438, fig. 376 (Enneodon).
Osborn, H. F. 1907 G, 28, fig. 19 (Enneodon).
Palmer, T. S. 1904 A, 259, 887.
Seeley, H. G. 1893 B, 275 (Enneodon).
Simpson, G. G. 1926 H, 213.
1927 C, 415.
Trouessart, E. L. 1905 A, 862.
Van den Broeck, E. 1900 A, 61.

Ennacodon affinis Marsh.

Hay, O. P. 1902 A, 568.
Gilmore, C. W. 1909 B, 38.
Merrill, G. P. 1907 A, 35 (Enneodon).
Mook, C. C. 1916 A, 132.
Trouessart, E. L. 1905 A, 862.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Ennacodon crassus Marsh.

Hay, O. P. 1902 A, 568.
Gilmore, C. W. 1909 B, 38.
Merrill, G. P. 1907 A, 35 (Enneodon).
Mook, C. C. 1916 A, 132.
Simpson, G. G. 1927 C, 415.
Trouessart, E. L. 1905 A, 862.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Order MULTITUBERCULATA Cope.

Cope, E. D. 1884 Y, 687.
Hay, O. P. 1902 A, 556 (Allotheria).
Abel, O. 1913 B, 701 (Allotheria).
1914 A, 34 ("allotherien").
1919 A, 712.
1920 A, 416.
1922 B, 2 ("multituberculaten").
1922 E, 381, 383 ("multituberculaten").
1923 A, 216 ("multituberculaten").
1926 E, (136).
Adloff, P. 1903 A, 372 ("multituberculaten").
Ameghino, F. 1893 B, 445.
1893 C, 77 (Diprotodonta).
1893 D, 16.
1902 D, 424.
1903 A, 113, 156 (Allotheria); 154 (Plagiaulacoidea).
1905 C, 351 (Allotheria).
1906 A, 358.
Arldt, T. 1907 D, 637 (Allotheria).
1907 E, 207 (Allotheria).
1912 A, 669, 679 (Allotheria).
Bardenfleth, K. S. 1913 A, 84 (Allotheria).
Beddard, F. E. 1902 A, 96, 105 (Allotheria).
Bensley, B. A. 1902 A, 7.
Bluntschli, H. 1911 B, 378 ("multituberculaten").
Bolk, L. 1913 A, 120 ("multituberculaten").
1922 A, 109.
Branca, W. 1915 A, 3, 19 (Allotheria).
Broom, R. 1910 B, 760.
1911 C, 319.
1914 B, 115, 117, 120, 130.
1914 D, 140.
1924 B, 64, fig. 13.
Chardin, T. 1922 A, 13 ("multituberculés").
Carter, J. T. 1922 A, 604, 605.
Case, E. C. 1898 C, 822.
Cockerell, Miller, and Prinz 1914 A, 349 ("multituberculates").
Cope, E. D. 1885 BB, 73.
1891 N, 65, 66 (Multituberculata).
Cross, W. 1909 A, 43 ("mammals").
Depéret, C. 1912 A, 706 ("multituberculés").
Dollo, L. 1889 G, 675 (Allotheria).
Gadow, H. 1913 A, 117.

Gidley, J. W. 1909 A, 623 (Allotheria).
Gill, T. 1881 A, 383 (Allotheria).
Granger, W. 1915 B, 152.
Granger and Simpson 1928 A, 1 ("multituberculates").
Gregory, W. K. 1910 A, 164, 464 (Allotheria); 169 (Multituberculata).
1912 C, 190.
1920 A, 137.
1922 A, 27, 63.
1927 D, 231 ("multituberculates").
Hay, O. P. 1910 B, 293 (Allotheria).
Hennig, E. 1919 A, 6 (Allotheria).
1922 A, 243, 258, 260 ("multituberculaten").
Hertz, M. 1925 A, 544 (Allotheria).
Hilzheimer, M. 1913 A, 520 ("multituberculaten").
Huene, F. 1918 A, 208.
Jaekel, O. 1911 A, 207.
Loomis, F. B. 1922 A, 62 ("allotheres").
Lydekker, R. 1896 C, 280.
1909 B, 204.
1915 C, 623.
Major, C. J. F. 1899 B, 61.
Matthew, W. D. 1905 D, 55 ("multituberculates").
1906 B, 357.
1909 C, 91.
1914 B, 383.
1915 A, 262.
1915 K, 436 ("multituberculates").
1916 A, 479.
1921 D, 211, 212, 222.
1928 B, 948, 949.
Osborn, H. F. 1898 U, 686.
1907 G, 11, 101 (Allotheria).
1909 D, 33, 35, 40.
1910 B, 174.
Palacký, J. 1902 B, 141 ("allotherien").
1903 A, 7 ("allotherien").
Reynolds, S. H. 1897 A, 348.
Röse, C. 1892 F, 403 ("multituberculaten").
Schlosser, M. 1895 B, 361, 362.
1898 D, 121.
1899 T, 452.
1900 B, 299.
Schwarz, E. 1924 A, 419.
Scott, W. B. 1913 A, 627, 642 (Allotheria).
Simpson, G. G. 1925 C, 9.
1926 D, 228.
1926 E, 8 ("multituberculates").
1927 D, 36 ("multituberculates").
1927 F, 121 ("multituberculates").
1928 C.
1928 F, 1.
1928 K, 462.
Simpson and Elftman 1928 A, 1.
Sinclair, W. J. 1906 B, 443, 444.
Steinmann, G. 1907 A, 466.
1909 A, 82.
Stromer, E. 1912 A, 167, 243.
Terra, P. 1911 A, 247 ("allotherien").
Tims, H. W. W. 1901 A, 261.
1903 A, 134.
Trouessart, E. L. 1905 A, 864 (Allotheria).
Van den Broeck, E. 1900 A, 60 (Allotheria).
Weber, M. 1904 A, 356 (Allotheria, Multituberculata).
Weber and Abel 1928 A, 85 (Multituberculata).
Williston, S. W. 1909 A, 397 ("multituberculates").
Wiman, C. 1923 A, 225.
Winge, H. 1923 A, 91, 93.
Woodward, A. S. 1911 A, 278.
1923 C, 79.
Woodward, H. 1904 B, 153 (Multituberculati).
Zierler, F. E. 1905 A, 513 ("allotherien").
Zittel, K. A. 1895 A, 307 (Allotheria).
Zittel and Schlosser 1911 A, 351 (Allotheria).
1923 A, 429, 663.

Superfamily PLAGIAULACOIDÆ, new form.

Simpson, G. G. 1925 C, 9 (Plagiaulacoidea).
Simpson, G. G. 1928 C, 31 (Plagiaulacoidea).

PLAGIAULACIDÆ Gill.

Hay, O. P. 1902 A, 557 (Bolodontidæ); 558 (Plagiaulacidæ).
Abel, O. 1912 F, 542 ("plagiaulaciden").
1913 B, 702.
1914 A, 37 ("plagiaulaciden").
1919 A, 714.
Ameghino, F. 1889 B, 280.
1893 B, 440, 444.
1893 C, 78.
1893 D, 15.
1902 B, 11 (Neoplagiaulacidæ).
1903 A, 158 (Neoplagiaulacidæ).
1904 A, 8, 9 (Bolodon).
Arldt, T. 1907 D, 641 (Bolodontidæ); 674 (Plagiaulacidæ); 686, 706 (Neoplagiaulacidæ).
1912 A, 662 (Microlestidæ); 668, 678, 686, 706 (Plagiaulacidæ, Neoplagiaulacidæ).
Beddard, F. E. 1902 A, 97, 98 (Plagiaulacidæ, Bolodontidæ).
Broom, R. 1896 B, 563.
1914 B, 118 (Bolodontidæ).
Case, E. C. 1898 C, 822 (Plagiaulacidæ, Bolodontidæ).
Chardin, T. 1922 A, 16 ("plagiaulacidés").
Depéret, C. 1907 B ("plagiaulacidés").
Dollo, L. 1889 G, 675 (Bolodon).
Gaudry, A. 1901 B, 94 (Bolodon).
Gidley, J. W. 1909 A, 612.
Gregory, W. K. 1922 A, 27, 41.
Hay, O. P. 1902 A, 558 (Plagiaulacinæ).
Hennig, E. 1919 A, 6.
1922 A, 219, 260.
Leche, W. 1902 A, 28.
Lydekker, R. 1896 C, 283 (Bolodontidæ); 284 (Plagiaulacidæ).
1909 B, 204.
Major, C. J. F. 1899 B, 69.
Marsh, O. C. 1889 F, 179 (Allodontidæ).
Matthew, W. D. 1909 C, 91, 100 (Plagiaulacidæ, Bolodontidæ).
1914 B, 387.
1915 A, 184.

Matthew, W. D. 1921 D, 211, 212, 217.
Osborn, H. F. 1907 G, 24, 103, 104 (Bolodon); 106 (Plagiaulacidæ).
1909 D, 34.
1910 B, 103, 111, 119, 124, 518.
Palmer, T. S. 1904 A, 787.
Schlosser, M. 1898 B, 361 (Plagiaulacidæ, Bolodontidæ).
1900 B, 299.
Scott, W. B. 1913 A, 627.
Simpson, G. G. 1928 C, 213.
Steinmann, G. 1907 A, 467 (Plagiaulacidæ, Bolodontidæ).
Tims, H. W. M. 1901 A, 282 (Plagiaulacidæ); 284 (Chirogidæ).
Trouessart, E. L. 1905 A, 866, 875 (Plagiaulacidæ); 869, 875 (Neoplagiaulacidæ).
Van den Broeck, E. 1900 A, 65 (Bolodon).
Weber, M. 1904 A, 361 (Bolodontidæ); 357, 361 (Plagiaulacidæ).
Weber and Abel 1928 A, 80, 83, 84, 90.
Winge, H. 1923 A, 91, 93.
Zierler, F. E. 1905 A, 513.
Zittel and Schlosser 1911 A, 352.
1923 A, 430, 442.

Plagiaulax Falconer. Type *P. becklesii* Falconer.

Hay, O. P. 1902 A, 558.
Abel, O. 1912 F, 543, fig. 417.
1920 A, 418, fig. 635.
1922 C, 392.
Ameghino, F. 1889 A, 269, 275, 927.
1893 C, 77.
1904 A, 8, 9.
Beddard, F. E. 1902 A, 99.
Broom, R. 1905 A, 98.
1910 B, 764.
1914 B, 115, 120, 131.
1925 A, 16.
Chardin, T. 1922 A, 16.
Cope, E. D. 1885 BB, 78.
Depéret, C. 1907 B.
Dollo, L. 1889 G, 675.
Gervais, P. 1859 A, 487.
Gidley, J. W. 1909 A, 625, fig. 9.
Gill, T. 1881 A, 383.
Gregory, W. K. 1910 A, 169.
1920 A, 235.
1922 A, 29, 41, fig. 21.
Hennig, E. 1919 A, 6.
1922 A, 199.
Hoernes, R. 1886 A, 654.
Huene, F. 1925 C, 179.
Koken, E. 1893 B, 282, 371, 426.
Lavocat, A. 1896 A, 26.
Lemoine, V. 1889 A, 236.
Lydekker, R. 1896 C, 284.
1909 B, 204.
1910 F, 664.
Matthew, W. D. 1915 A, 264.
1916 A, 480.
Osborn, H. F. 1907 G, 24, fig. 48.
Owen, R. 1860 E, 319.
Palacký, J. 1903 A, 4.
Palmer, T. S. 1904 A, 541, 788.
Schlosser, M. 1899 I, 346.
Schmidt, O. 1886 A, 100, fig. 2.
Seeley, H. G. 1893 B, 276.
Simpson, G. G. 1925 C, 7, 10.
1928 C, 213.
Tims, H. W. M. 1903 A, 146.
Van den Broeck, E. 1900 A, 65.
Weber, M. 1904 A, 361.
Woodward, A. S. 1911 A, 278.
1923 C, 81, fig. 77.
Zittel and Schlosser 1911 A, 352.
1923 A, 431, 664, fig. 535.

At present no North American species are referred to this genus.

Ctenacodon Marsh. Type *C. serratus* Marsh.

Hay, O. P. 1902 A, 557 (Allodon); 558 (Ctenacodon).
Abel, O. 1914 A, 37 (Ctenacodon, Allodon).
Ameghino, F. 1889 A, 270, 275.
1903 A, 117, 152 (Ctenacodon, Allodon).
Bigot, A. 1897 A, 462.
Broom, R. 1905 A, 98.
1910 B, 764.
1914 B, 120 (Ctenacodon); 117, 120 (Allodon).
Dollo, L. 1889 G, 675 (Ctenacodon, Allodon).
Gaudry, A. 1901 B, 94 (Allodon).
Gill, T. 1881 A, 383.
Gregory, W. K. 1922 A, 42 (Ctenacodon, Allodon).
Hennig, E. 1919 A, 6 (Ctenodon, Allodon).
Huene, F. 1925 C, 179, 181.
Koken, E. 1893 B, 371 (Ctenacodon, Allodon).
1922 A, 230, 242 (Allodon, Ctenacodon).
Matthew, W. D. 1915 A, 264, 269.
Osborn, H. F. 1907 G, 102, fig. 50 (Ctenacodon); 104, fig. 53 (Allodon).
Palacký, J. 1903 A, 4 (Ctenacodon, Allodon).
Palmer, T. S. 1904 A, 89, 787 (Allodon); 205, 288 (Ctenacodon).
Schlosser, M. 1921 A, 130.
Schmidt, O. 1886 A, 100.
Schuchert, C. 1910 A, 582 (Ctenacodon, Allodon).
Schuchert and Levene 1927 A, 310, fig.
Simpson, G. G. 1925 C, 4, 6, 7, 10.
1926 D, 238, 241, fig. 5.
1926 H, 213.
1928 C, 210.
Thomas, O. 1888 A, 447.
Trouessart, E. L. 1905 A, 866 (Ctenacodon); 867 (Allodon).
Weber, M. 1904 A, 361 (Ctenacodon); 367 (Allodon).
Zittel and Schlosser 1911 A, 353 (Ctenacodon, Allodon).
1923 A, 431, 664 (Ctenacodon, Allodon).

Ctenacodon laticeps (Marsh).

Hay, O. P. 1902 A, 557 (Allodon).
Abel, O. 1922 C, 437 (Allodon).
Gilmore, C. W. 1909 B, 38 (Allodon).
Hennig, E. 1922 A, 239 (Allodon).

Merrill, G. P. 1907 A, 21 (Allodon).
Mook, C. C. 1916 A, 131 (Allodon).
Woodward, A. S. 1923 C, 82, fig. 78 (Allodon).
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Ctenacodon serratus Marsh.

Hay, O. P. 1902 A, 559 (C. serratus, C. nanus).
Abel, O. 1922 C, 437, fig. 366.
Broom, R. 1914 B, 117.
Gilmore, C. W. 1909 B, 38 (C. serratus, C. nanus).
Hennig, E. 1922 A, 239.
Huene, F. 1925 C, 179, fig. 2.
Mook, C. C. 1916 A, 132 (C. serratus, C. nanus).
Simpson, G. G. 1927 D, 36, 38 (C. nanus, a syn.).
1928 C, 36.
Trouessart, E. L. 1905 A, 866.
Woodward, A. S. 1923 C, 82, fig. 78.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Psalodon Simpson. Type *Ctenacodon potens* Marsh.

Simpson, G. G. 1926 D, 239, 250.
1926 H, 213.
1927 D, 38.
1928 C, 213.

Psalodon fortis (Marsh).

Hay, O. P. 1902 A, 557 (Allodon).
Gilmore, C. W. 1909 B, 38 (Allodon).
Merrill, G. P. 1907 A, 21 (Allodon).
Mook, C. C. 1916 A, 131 (Allodon).
Simpson, G. G. 1927 D, 38.
Woodward, A. S. 1923 C, 82, fig. 78 (Allodon).
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

Psalodon potens (Marsh).

Unless otherwise indicated the authors, as cited, refer this species to *Ctenacodon*.
Hay, O. P. 1902 A, 558.
Ameghino, F. 1903 A, 180, figs. 111, 112.
Gilmore, C. W. 1909 B, 38.
Huene, F. 1925 C, 180, fig. 2.
Merrill, G. P. 1907 A, 32.
Mook, C. C. 1916 A, 132.
Simpson, G. G. 1926 D, 250 (Psalodon).
1927 D, 38 (Psalodon).
Tims, H. W. M. 1903 A, 142.
Trouessart, E. L. 1905 A, 867.
Woodward, A. S. 1923 C, 82, fig. 78.
Zittel and Schlosser 1911 A, 353, fig. 503.
1923 A, 431, fig. 538.
Upper Jurassic or Lower Cretaceous (Morrison); Wyoming.

PTILODONTIDÆ Simpson.

Simpson, G. G. 1928 C, 52.

Allacodon Marsh. Type *A. lentus* Marsh.

Hay, O. P. 1902 A, 557.
Abel, O. 1914 A, 37.
Dollo, L. 1889 G, 676.
Hennig, E. 1919 A, 6.
1922 A, 242.
Koken, E. 1893 B, 426.
Palmer, T. S. 1904 A, 88, 787.
Trouessart, E. L. 1905 A, 868.
Zittel and Schlosser 1911 A, 353.
1923 A, 431.

Allacodon fortis Marsh.

Hay, O. P. 1902 A, 557.
Bowen, C. F. 1915 A, 146.
Lull, R. S. 1915 D, 323, 345.
Merrill, G. P. 1907 A, 21.
Trouessart, E. L. 1905 A, 868.
Upper Cretaceous (Lance); Wyoming.

Allacodon lentus Marsh.

Hay, O. P. 1902 A, 557.
Bowen, C. F. 1915 A, 146.
Lull, R. S. 1915 D, 323, 345.
Trouessart, E. L. 1905 A, 868.
Upper Cretaceous (Lance); Wyoming.

Allacodon pumilis Marsh.

Hay, O. P. 1902 A, 557.
Bowen, C. F. 1915 A, 146.
Lull, R. S. 1915 D, 323, 345.
Merrill, G. P. 1907 A, 21.
Zittel and Schlosser 1911 A, 353, fig. 502.
1923 A, 431, fig. 537.
Upper Cretaceous (Lance); Wyoming.

Allacodon rarus Marsh.

Hay, O. P. 1902 A, 557.
Bowen, C. F. 1915 A, 146.
Lull, R. S. 1915 D, 323, 345.
Merrill, G. P. 1907 A, 21.
Upper Cretaceous (Lance); Wyoming.

Neoplagiaulax Lemoine. Type *N. eocænus* Lemoine.

Hay, O. P. 1902 A, 559.
Abel, O. 1913 B, 703.
Ameghino, F. 1893 C, 78, 80.
1903 A, 117, 152.
1904 A, 8.
Bardenfleth, K. S. 1913 A, 82.
Broom, R. 1914 B, 117.
Chardin, T. 1922 A, 13, text-fig. 6.
Depéret, C. 1905 C, 703.
1908 A, 111.
1912 A, 706.
Gaudry, A. 1901 A, 504.

Haug, E. 1911 A, 1527.
Heilprin, A. 1887 A, 336.
Hennig, E. 1919 A, 6.
Lemoine, V. 1885 C, 213, pl. xii.
1889 A, 236.
Matthew, W. D. 1909 C, 100.
1915 A, 264, 269.
Osborn, H. F. 1910 B, 103, 106, 108, 518.
Owen, R. 1885 A, 28, figs. 1-3.
Palacký, J. 1903 A, 4.
Schlosser, M. 1921 A, 130, 136.
Schmidt, O. 1886 A, 100.
Scott, W. B. 1913 A, 627.
Simpson, G. G. 1926 D, 229.
Trouessart, E. L. 1905 A, 869.
Weber, M. 1904 A, 357, 361.
Zittel and Schlosser 1911 A, 353.
1923 A, 431.

The species formerly referred to this genus are arranged under *Eucosmodon*.

EUCOSMODON Matthew and Granger. Type *Neoplagiaulax americanus* Cope.

Matthew and Granger 1921 A, 1.
Hay, O. P. 1921 A, 559 (Neoplagiaulax, in part).
Granger and Simpson 1928 A, 2.
Matthew, W. D. 1928 B, 961.
Matthew, Granger, Simpson 1928 A, 4.
Simpson, G. G. 1928 C, 31.
Simpson and Elftman 1928 A, 2, figs. 1-6.
Zittel and Schlosser 1923 A, 431.

Eucosmodon americanus (Cope).

Hay, O. P. 1902 A, 559 (Neoplagiaulax).
Gardner, J. H. 1910 A, 729 (Neoplagiaulax).
Granger and Simpson 1928 A, 2.
Matthew, W. D. 1909 C, 91 (Neoplagiaulax).
1914 B, 384 (Neoplagiaulax).
Matthew and Granger 1921 A, 1.
Reeside, J. B. 1924 A, 38 (Neoplagiaulax).
Trouessart, E. L. 1905 A, 870 (Neoplagiaulax).
Paleocene (Puerco); New Mexico.

Eucosmodon molestus (Cope).

Hay, O. P. 1902 A, 559 (Neoplagiaulax).
Gardner, J. H. 1910 A, 729 (Neoplagiaulax).
Granger, W. 1917 A, 823 (Neoplagiaulax).
Matthew, W. D. 1909 C, 91 (Neoplagiaulax).
1914 B, 384 (Neoplagiaulax).
Reeside, J. B. 1924 A, 41 (Neoplagiaulax).
Trouessart, E. L. 1905 A, 870 (Neoplagiaulax).
Paleocene (Torrejon); New Mexico.

Eucosmodon ultimus Granger and Simpson.

Granger and Simpson 1928 A, 2, 2 figs.
Lower Eocene (Wasatch); Wyoming.

PTILODUS Cope. Type *P. mediævus* Cope.

Hay, O. P. 1902 A, 557 (Chirox); 559 (Ptilodus).
Abel, O. 1912 F, 542.
1913 B, 702, fig. 2.
1914 A, 36.
1920 A, 417.
1922 E, 371, 372.
1923 A, 216.
Ameghino, F. 1889 A, 1023.
1893 C, 80.
1893 D, 15.
1903 A, 147, 152, figs. 110, 113.
1906 A, 360.
Arldt, T. 1907 D, 79 (Chirox).
Beddard, F. E. 1902 A, 101.
Berry, E. W. 1920 A, 210.
Broom, R. 1910 B, 763.
1914 B, 117, 121, 131 (Ptilodus); 120 (Chirox).
1914 D, 140.
Brown, B. 1907 A, 840.
Chardin, T. 1922 A, 15, 48.
Dall, W. H. 1898 A, 347 (Chirox).
Gaudry, A. 1901 A, 504.
Gidley, J. W. 1909 A, 611, 613.
1914 A, 141.
Gregory, W. K. 1910 A, 169.
1912 C, 190.
1920 A, 235.
1922 A, 28, 42.
Haug, E. 1911 A, 1527 (Chirox, Ptilodus).
Hay, O. P. 1910 B, 292, 294.
Hennig, E. 1919 A, 6.
1922 A, 203, 216, 230.
Huene, F. 1918 A, 208, 210.
Koken, E. 1893 B, 426.
Loomis, F. B. 1922 A, 62.
Lydekker, R. 1909 B, 204.
1910 F, 665, figs.
Matthew, W. D. 1906 B, 357.
1909 C, 100 (Ptilodus, Chirox).
1915 A, 264, 269.
1924 E, 749.
1928 B, 949, fig. 4.
Matthew, Granger, Simpson 1928 A, 2.
Osborn, H. F. 1902 I, 9.
1907 G, 106, figs. 48, 55 (Ptilodus); 103, 104, figs. 50, 54 (Chirox).
1910 B, 106, 108, 518, fig. 28.
1912 G, 233, fig. 1.
Palmer, T. S. 1904 A, 183, 787 (Chirox); 597 788 (Ptilodus).
Perrier, E. 1920 A, 341.
Reagan, A. B. 1903 A, 82.
Schlosser, M. 1898 B, 361 (Chirox).
1921 A, 130.
Seeley, H. G. 1883 A, 413.
Simpson, G. G. 1925 C, 4, 9, 10, 11.
1926 D, 229, fig. 5.
1927 B, 9.
1928 C, 213.
1928 I, 9, 12.
Simpson and Elftman 1928 A, 15.
Stromer, E. 1924 A, 252.
Trouessart, E. L. 1905 A, 870 (Ptilodus); 868 (Chirox).
Weber, M. 1904 A, 358, 361 (Ptilodus); 361 (Chirox).
Weber and Abel 1928 A, xxiv, 84, fig. 46.
Williston, S. W. 1912 F, 92.
Zittel and Schlosser 1911 A, 353.
1923 A, 432, 664, 665, 666.

Ptilodus admirabilis nom. nov. To replace *P. gracilis* Gidley, not of Osborn, 1893.

Abel, O. 1912 F, 542, fig. 416 (P. gracilis).
1914 A, 37, fig. 11 (P. gracilis).
1920 A, 417, fig. 630 (P. gracilis).
1922 E, 382 (P. gracilis).
Broom, R. 1910 B, 763 (P. gracilis).
1914 B, 122, figs. 1, 2, 5 (P. gracilis).
Gardner, J. H. 1910 A, 729 (P. gracilis).
Gidley, J. W. 1909 A, 616, pl. lxx, text-figs. 1-6, 8 (P. gracilis).
Hennig, E. 1922 A, 214, 224, 256, pl. iv, fig. 6 (P. gracilis).
Lull, R. S. 1915 D, 326 (P. gracilis).
1917 B, 545, fig. 173 (P. gracilis).
Lydekker, R. 1909 B, 204 (P. gracilis).
Osborn, H. F. 1910 B, 106, fig. 28 ("Ptilodus").
Scott, W. B. 1913 A, 642, 643, figs. 303, 304 (P. gracilis).
Simpson, G. G. 1926 D, 233, fig. 3 (P. gracilis).
Simpson and Elftman 1928 A, 2, 15 (P. gracilis).
Stanton, T. W. 1909 A, 264 (P. gracilis).
Weber and Abel 1928 A, 85, fig. 45 (P. gracilis).
Zittel and Schlosser 1911 A, 353, fig. 504 (P. gracilis).
1923 A, 432, fig. 539 (P. gracilis).
Paleocene (Fort Union); Montana.

Ptilodus formosus (Marsh).

Hay, O. P. 1902 A, 560 (Cimolomys).
Bowen, C. F. 1915 A, 146 (Halodon).
Gidley, J. W. 1909 A, 623 (This species?).
Lull, R. S. 1915 D, 326 (Ptilodus); 323, 345 (Cimolomys. This species?).
Osborn, H. F. 1891 E, 600, fig. 2c (Halodon).
Stanton, T. W. 1909 A, 264 (This species?).
Trouessart, E. L. 1905 A, 870 (Cimolomys).
Upper Cretaceous (Lance); Wyoming: Paleocene (Fort Union); Montana.

Ptilodus mediævus Cope.

Hay, O. P. 1902 A, 559.
Cope, E. D. 1891 N, 65, fig. 35.
Gardner, J. H. 1910 A, 729.
Gidley, J. W. 1909 A, 612, 613.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 41 (P. mediavus).
Trouessart, E. L. 1905 A, 870.
Woodward, A. S. 1898 B, 251, fig. 148.
Paleocene (Torrejon); New Mexico.

Ptilodus montanus Douglass.

Douglass, E. 1908 D, 14.
Gardner, J. H. 1910 A, 729.
Gidley, J. W. 1909 A, 615.
Lull, R. S. 1915 D, 326.
Matthew, W. D. 1914 B, 389.
Stanton, T. W. 1909 A, 264.
Paleocene (Fort Union); Montana.

Ptilodus plicatus (Cope).

Hay, O. P. 1902 A, 557 (Chirox).
Cope, E. D. 1891 N, 65, fig. 36 (Chirox).
Gardner, J. H. 1910 A, 729.
Gidley, J. W. 1909 A, 614.
Hennig, E. 1922 A, 214, 239.
Matthew, W. D. 1909 C, 91 (Chirox).
Trouessart, E. L. 1905 A, 867 (Chirox).
Paleocene (Torrejon); New Mexico.

Ptilodus primævus Lambe.

Lambe, L. M. 1902 A, 79, pl. xv, figs. 13, 14.
Ameghino, F. 1903 A, 182 (Boreodon).
Bowen, C. F. 1915 A, 144.
Brown, B. 1914 E, 379.
Hatcher, J. B. 1905 B, 100.
Hay, O. P. 1903 D, 119.
1910 B, 296.
Lambe, L. M. 1904 C, 25, 37, 50.
1907 B, 178.
1912 A, 10.
Lull, R. S. 1915 D, 324.
Matthew, W. D. 1916 A, 479, 484, 490 (To Cimolomys?).
Osborn, H. F. 1902 H, 676.
1902 I, 15, 21.
Trouessart, E. L. 1905 A, 867.
Upper Cretaceous (Belly River); Alberta.

Ptilodus serratus (Marsh).

Hay, O. P. 1902 A, 560 (Cimolomys).
Bowen, C. F. 1915 A, 144 (Halodon).
Gidley, J. W. 1909 A, 622 (This species?).
Huene, F. 1925 C, 180 (Halodon).
Lemoine, V. 1889 A, 240, fig. 1 (Halodon).
Lull, R. S. 1915 D, 324, 345 (Cimolomys); 326 (Ptilodus).
Osborn, H. F. 1891 E, 600, figs. 2, 4 (Halodon).
Stanton, T. W. 1909 A, 264 (This species?).
Upper Cretaceous (Lance); Wyoming: Paleocene (Fort Union); Montana.

Ptilodus trovessartianus Cope.

Hay, O. P. 1902 A, 559 (P. trouessartianus).
Ameghino, F. 1903 A, 147, figs. 69, 115 (P. trouessartianus).
1906 A, 360, fig. 202 (P. trouessartianus).
Gardner, J. H. 1910 A, 729 (P. trovessartianus).
Gidley, J. W. 1909 A, 614 (P. trouessartianus).
Matthew, W. D. 1909 C, 91 (P. trovessartianus).
1914 B, 384 (P. trovessartianus).
Reeside, J. B. 1924 A, 41 (P. trovessartianus).
Trouessart, E. L. 1905 A, 870 (P. trouessartianus).
Paleocene (Torrejon); New Mexico.

Ptilodus sp. indet.

Bowen, C. F. 1915 A, 144.
Brown, B. 1907 A, 842. Upper Cretaceous (Hell Creek); Montana.
Douglass, E. 1908 D, 13 (Chirox sp.). Paleocene (Fort Union); Montana.
Simpson, G. G. 1927 A, 1. Upper Cretaceous (Hell Creek); Montana.

ECTYPODUS Matthew and Granger. Type *E. musculus* Matthew and Granger.

Matthew and Granger 1921 A, 1.
Chardin, T. 1922 A, 15.
Simpson, G. G. 1928 C, 31.

Ectypodus musculus Matthew and Granger.

Matthew and Granger 1921 A, 1.
Reeside, J. B. 1924 A, 47.
Paleocene ("Tiffany"); Colorado.

CIMOLOMYS Marsh. Type *C. gracilis* Marsh.

Hay, O. P. 1902 A, 559.
Bigot, A. 1897 A, 462.
Chardin, T. 1922 A, 15.
Dollo, L. 1889 G, 676 (Nanomys).
Gaudry, A. 1901 B, 94.
Hennig, E. 1919 A, 6.
Huene, F. 1925 C, 181.
Koken, E. 1893 B, 426.
Matthew, W. D. 1916 A, 479, 481.
Palmer, T. S. 1904 A, 189, 788.
Trouessart, E. L. 1905 A, 871.
Winge, H. 1923 A, 48, 51 (Cimolomys, Nanomys).
Zittel and Schlosser 1911 A, 354.
1923 A, 426, fig. 529.
Upper Cretaceous (Lance); Wyoming.

Cimolomys bellus Marsh.

Bowen, C. F. 1915 A, 144.
Hay, O. P. 1902 A, 559.
Lull, R. S. 1915 D, 323, 345.
Upper Cretaceous (Lance); Wyoming.

Cimolomys digona Marsh.

Hay, O. P. 1902 A, 560.
Bowen, C. F. 1915 A, 146.
Hennig, E. 1922 A, 214.
Lull, R. S. 1915 D, 323, 345.
Upper Cretaceous (Lance); Wyoming.

Cimolomys gracilis Marsh.

Bowen, C. F. 1915 A, 144.
Hay, O. P. 1902 A, 560.
Hennig, E. 1922 A, 214 [Ptilodus (Cimolomys)].
Lemoine, V. 1889 A, 240, fig. 1.
Lull, R. S. 1915 D, 323, 345.
Merrill, G. P. 1907 A, 28.
Upper Cretaceous (Lance); Wyoming.

Cimolomys minutus (Marsh).

Hay, O. P. 1902 A, 560.
Bowen, C. F. 1915 A, 144 (Nanomys).
Lull, R. S. 1915 D, 323, 345.
Upper Cretaceous (Lance); Wyoming.

Cimolomys parvus (Marsh).

Hay, O. P. 1902 A, 560.
Bowen, C. F. 1915 A, 146 (Cimolodon).
Lull, R. S. 1915 D, 324, 345.
Upper Cretaceous (Lance); Wyoming.

CIMOLODON Marsh. Type *C. nitidus* Marsh.

Marsh, O. C. 1889 D, 84.
Hay, O. P. 1902 A, 559 (Cimolomys, in part).
Simpson, G. G. 1926 D, 239, figs. 6, 8.
1927 A, 4.
1927 B, 9.
1928 C, 31.

Cimolodon agilis Marsh.

Hay, O. P. 1902 A, 559 (Cimolomys).
Bowen, C. F. 1915 A, 146.
Lull, R. S. 1915 D, 323, 345 (Cimolomys).
Merrill, G. P. 1907 A, 28.
Upper Cretaceous (Lance); Wyoming.

Cimolodon nitidus Marsh.

Marsh, O. C. 1889 D, 84.
Hay, O. P. 1902 A, 560 (Cimolomys).
Bowen, C. F. 1915 A, 144.
Lemoine, V. 1889 A, 240, fig. 1.
Lull, R. S. 1915 D, 324, 345 (Cimolomys).
Osborn, H. F. 1891 E, 600, figs. 3, 4.
Zittel and Schlosser 1911 A, 353, fig. 505 (Cimolomys).
1923 A, 432, fig. 540 (Cimolomys).
Upper Cretaceous (Lance); Wyoming.

Cimolodon sp. indet.

Simpson, G. G. 1927 A, 5. Upper Cretaceous (Hell Creek); Montana.

ORACODON Marsh. Type *O. anceps* Marsh.

Hay, O. P. 1902 A, 561.
Dollo, L. 1889 G, 676.
Palmer, T. S. 1904 A, 478, 788.
Trouessart, E. L. 1905 A, 871.

Oracodon anceps Marsh.

Hay, O. P. 1902 A, 561.
Bowen, C. F. 1915 A, 146.
Huene, F. 1925 C, 179.
Lull, R. S. 1915 D, 324, 345.
Merrill, G. P. 1907 A, 50.
Trouessart, E. L. 1905 A, 871.
Upper Cretaceous (Lance); Wyoming.

Oracodon conulus Marsh.

Hay, O. P. 1902 A, 562.
Bowen, C. F. 1915 A, 146.
Huene, F. 1925 C, 179.
Lull, R. S. 1915 D, 324, 345.
Merrill, G. P. 1907 A, 50.
Trouessart, E. L. 1905 A, 871.
Upper Cretaceous (Lance); Wyoming.

CAMPTOMUS Marsh. Type *C. amplus* Marsh.

Hay, O. P. 1902 A, 562.
Dollo, L. 1889 G, 676.
Palmer, T. S. 1904 A, 157, 788.
Simpson, G. G. 1928 I, 11, 12 (A reptile).

Camptomus amplus Marsh.

Hay, O. P. 1902 A, 562.
Ameghino, F. 1893 C, 80.
Bowen, C. F. 1915 A, 144.
Broom, R. 1914 B, 125.
Lemoine, V. 1889 A, 240, fig. 1.
Lull, R. S. 1915 D, 324, 345.
Upper Cretaceous (Lance); Wyoming.

ESSONODON Simpson. Type *E. browni* Simpson.

Simpson, G. G. 1927 A, 2.

Essonodon browni Simpson.

Simpson, G. G. 1927 A, 2.
Upper Cretaceous (Hell Creek); Montana.

MENISCOËSSUS Cope. Type *M. conquistus* Cope.

Hay, O. P. 1902 A, 560.
Abel, O. 1912 F, 544.
Ameghino, F. 1903 A, 109, 145, figs. 66, 67.
1904 B, 43.
1906 A, 359, fig. 199.
Beddard, F. E. 1902 A, 101.
Bigot, A. 1897 A, 462 (Selenacodon, Dipriodon).
Brown, B. 1907 A, 840.
Dollo, L. 1889 G, 674.
Gaudry, A. 1901 B, 94.
Gregory, W. K. 1922 A, 63.
Heilprin, A. 1887 A, 203, 335.
Hennig, E. 1919 A, 6.
1922 A, 203, 216, 230, 234, fig. 1 (Meniscoëssus); 224, fig. 4 (Tripriodon); 220 (Dipriodon).
Lemoine, V. 1889 A, 240 (Halodon).
Matthew, W. D. 1915 A, 264, 269.
1916 A, 479.
Matthew and Granger 1925 A, 6.
Osborn, H. F. 1907 G, 102, 106, figs. 49, 55.
Palmer, T. S. 1904 A, 308, 788 (Halodon); 239, 788 (Dipriodon); 409, 788 (Meniscoëssus); 627, 788 (Selenacodon); 693, 788 (Tripriodon).
Petronievics, B. 1918 A, 67 (Stereognathus).
Russell, L. S. 1926 A, 232.
Schlosser, M. 1898 B, 362.
Simpson, G. G. 1927 B, 9.
1927 F, 121.
Stromer, E. 1924 A, 252, fig. 4.
Tims, H. W. M. 1901 A, 282.
1903 A, 142.
1905 B, 1787.
Trouessart, E. L. 1905 A, 870.
Weber, M. 1904 A, 357, 358, 361, fig. 274.
Weber and Abel 1928 A, 84, fig. 47.
Winge, H. 1923 A, 48, 51 (Meniscoëssus, Selenacodon).
Woodward, A. S. 1911 B, 279 (Meniscoëssus, Selenacodon, Dipriodon).
Zittel and Schlosser 1911 A, 354.
1923 A, 432, 664.

Meniscoëssus borealis Simpson.

Simpson, G. G. 1927 A, 3, fig. 2.
Upper Cretaceous (Hell Creek); Montana.

Meniscoëssus brevis (Marsh).

Hay, O. P. 1902 A, 560.
Bowen, C. F. 1915 A, 146 (Selenacodon).
Hennig, E. 1922 A, 214 (Selenacodon).
Lull, R. S. 1915 D, 324, 345.
Upper Cretaceous (Lance); Wyoming.

Meniscoëssus caperatus (Marsh).

Hay, O. P. 1902 A, 561.
Bowen, C. F. 1915 A, 144 (Tripriodon).
Hennig, E. 1922 A, 214 (Tripriodon).
Koken, E. 1893 B, 425 (Tripriodon).
Lull, R. S. 1915 D, 324, 345.
Upper Cretaceous (Lance); Wyoming.

Meniscoëssus cœlatus (Marsh).

Hay, O. P. 1902 A, 561.
Bowen, C. F. 1915 A, 144 (Tripriodon).
Hennig, E. 1921 A, 214 (Tripriodon).
1922 A, 214 (Tripriodon).
Lemoine, V. 1889 A, 240, fig. 1 (Tripriodon).
Lull, R. S. 1915 D, 324, 345.
Merrill, G. P. 1907 A, 62 (Tripriodon).
Zittel and Schlosser 1911 A, 354, fig. 506 (Tripriodon).
Upper Cretaceous (Lance); Wyoming.

Meniscoëssus conquistus Cope.

Hay, O. P. 1902 A, 561.
Ameghino, F. 1903 A, 108, fig. 26 (This species?).
1906 A, 359, fig. 200.
Bowen, C. F. 1915 A, 144.
Brown, B. 1907 A, 842.
1914 E, 358.
Dollo, L. 1889 G, 674.
Hennig, E. 1922 A, 214.
1924 A, 124.
Lull, R. S. 1915 D, 324.
Matthew, W. D. 1916 A, 477.
Simpson, G. G. 1927 A, 1.
Trouessart, E. L. 1905 A, 870.
Zittel and Schlosser 1911 A, 354, fig. 506.
1923 A, 432, fig. 541.
Upper Cretaceous (Hell Creek); Montana: (Lance); Wyoming.

Meniscoëssus fragilis (Marsh).

Hay, O. P. 1902 A, 561.
Bowen, C. F. 1915 A, 146 (Selenacodon).
Hennig, E. 1922 A, 214 (Selenacodon).
Lull, R. S. 1915 D, 324, 345.
Upper Cretaceous (Lance); Wyoming.

Meniscoëssus sculptus (Marsh).

Hay, O. P. 1902 A, 561.
Ameghino, F. 1893 C, 80 (Halodon).
Bowen, C. F. 1915 A, 144 (Halodon).
Huene, F. 1925 C, 180 (Halodon).
Lemoine, V. 1889 A, 240, fig. 1.
Lull, R. S. 1915 D, 324, 345.
Osborn, H. F. 1891 E, 600, fig. 2 (Halodon).
Upper Cretaceous (Lance); Wyoming.

Meniscoëssus sp. indet.

Brown, B. 1907 A, 842. Upper Cretaceous (Hell Creek); Montana.
Simpson, G. G. 1927 A, 1.
Upper Cretaceous (Hell Creek); Montana.

POLYMASTODONTIDÆ Cope.

Cope, E. D. 1884 Y, 687.
Hay, O. P. 1902 A, 562 (Polymastodontinæ).
Abel, O. 1913 B, 708.
1914 A, 39 ("polymastodontiden").
1919 A, 715.
Ameghino, F. 1903 A, 106, 107, 158 (Polymastodontinæ).
Arldt, T. 1907 D, 675.
1912 A, 706.
Beddard, F. E. 1902 A, 98.
Branca, W. 1915 W, 18.
Case, E. C. 1898 C, 823.
Gregory, W. K. 1922 A, 63.
Hennig, E. 1919 A, 6.
1922 A, 260.
Lydekker, R. 1896 C, 283.
Matthew and Granger 1925 A, 6 (Catopsalinæ).
Schlosser, M. 1898 B, 361 (Polymastodontinæ).
1900 B, 299 (Polymastodontinæ).
Simpson, G. G. 1926 D, 246.
1928 C, 31.
Tims, H. W. M. 1901 A, 282 (Polymastodontidæ, Polymastodontinæ).
1903 A, 142 (Polymastodontidæ).
1905 B, 1787.
Trouessart, E. L. 1905 A, 865, 875.
Weber, M. 1904 A, 361.
Winge, H. 1923 A, 91.
Zittel and Schlosser 1911 A, 354.
1923 A, 432, 442.

POLYMASTODON Cope.

Hay, O. P. 1902 A, 562.
Abel, O. 1913 B, 708.
1922 E, 372.
1923 A, 216.
Ameghino, F. 1889 A, 911, 923, 963.
1903 A, 106.
1904 A, 8.
1904 B, 44.
1905 C, 411.
1906 A, 152, 361.
Broom, R. 1914 B, 117, 126.
1914 D, 140.
Brown, B. 1907 A, 840.
Carter, J. T. 1922 A, 605, pl. vii, figs. 2-5.
Cockerell, Miller and Prinz 1914 A, 349.
Cope, E. D. 1885 BB, 78.
Dall, W. H. 1898 A, 347.
Gardner, J. H. 1910 A, 712.
Gaudry, A. 1901 B, 94.
1906 B, 106.
Gregory, W. K. 1910 A, 169, 170, 212.
1920 A, 138, fig. 59.
Haug, E. 1911 A, 1527.
Hay, O. P. 1910 B, 293.
Heilprin, A. 1887 A, 336.
Hennig, E. 1919 A, 6.
1922 A, 203, 254, 262.
Koken, E. 1893 B, 371.
Lydekker, R. 1896 C, 284.
1915 C, 624.
Matthew, W. D. 1906 B, 357.
1909 C, 100.
1915 A, 264, 269.
1916 A, 479.
1924 E, 749.
Matthew and Granger 1925 A, 6 (Tæniolabis; Polymastodon, a syn.).
Osborn, H. F. 1907 G, 103, fig. 51.
1909 D, 23.
1910 B, 106, 108, 518.

Type *T. taöensis* Cope.

Palmer, T. S. 1904 A, 556, 788.
Perrier, E. 1920 A, 341.
Rogers, A. F. 1924 A, 545.
Russell, L. S. 1926 A, 232.
Schlosser, M. 1898 B, 362.
Schuchert, C. 1910 A, 599.
Scott, W. B. 1913 A, 286, 627.
Simpson, G. G. 1925 C, 3, 9-11.
1926 D, 228, 240.
1928 C, 31, 164, 213.
Sinclair and Granger 1914 A, 306.
Steinmann, G. 1909 A, 82.
Stromer, E. 1924 A, 252.
Terra, P. 1911 A, 247, fig. 81.
Tims, H. W. M. 1903 A, 144.
Trouessart, E. L. 1905 A, 865.
Weber, M. 1904 A, 361.
Weber and Abel 1928 A, xxiv, 44, 84, 88.
Woodward, H. 1904 B, 153.
Zittel and Schlosser 1911 A, 354.
1923 A, 433, 665.
This genus is probably identical with *Tæniolabis*.

Polymastodon attenuatus (Cope).

Hay, O. P. 1902 A, 562.
Ameghino, F. 1903 A, 108, fig. 25.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Osborn, H. F. 1904 F, 7.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1898 B, 362, 363.
Tims, H. W. M. 1903 A, 142.
Trouessart, E. L. 1905 A, 865.
Zittel and Schlosser 1911 A, 354, fig. 507.
1923 A, 432, fig. 543.
Paleocene (Puerco); New Mexico.

Polymastodon fissidens (Cope).

Hay, O. P. 1902 A, 563.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 41.
Russell, L. S. 1926 A, 232.
Schlosser, M. 1908 A, 362.
Trouessart, E. L. 1905 A, 865.
Paleocene (Torrejon?); New Mexico.

Polymastodon latimolis (Cope).

Hay, O. P. 1902 A, 563.
Schlosser, M. 1898 B, 362.
Paleocene (Puerco); New Mexico.

Polymastodon selenodus Osborn and Earle.

Hay, O. P. 1902 A, 563.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
Schlosser, M. 1898 B, 362.
Trouessart, E. L. 1905 A, 865.
Paleocene (Puerco); New Mexico.

Polymastodon taöensis (Cope).

Hay, O. P. 1902 A, 563.
Abel, O. 1913 B, 708, fig. 3 (P. taoense).
1914 A, 39, fig. 13 (P. taoense).
1920 A, 417 (P. taoense).
Ameghino, F. 1903 A, 106, figs. 24, 29, 31.
1905 C, 411.
1906 A, 361, fig. 205.
Broom, R. 1914 B, 126, pls. xi, xii, figs. 6, 8
Gardner, J. H. 1910 A, 729.
Gregory, W. K. 1910 A, 170, fig. 8.
Hennig, E. 1922 A, 214, pl. v, fig. 1 (P. taoensis).
Lydekker, R. 1915 C, 624, figs. 3, 4.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Osborn, H. F. 1904 F, 7.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1898 B, 362, 363.
Scott, W. B. 1913 A, 286, fig. 144.
Seeley, H. G. 1886 A, 413 (Catopsalis pollux); 414 (P. taöensis).
Simpson, G. G. 1926 D, 228, fig. 2.
Stromer, E. 1924 A, 252, fig. 5.
Tims, H. W. M. 1901 A, 282.
1903 A, 142 (P. tabensis).
1905 B, 1787 (P. tabensis).
Trouessart, E. L. 1905 A, 865.
Weber and Abel 1928 A, 87, fig. 52.
Paleocene (Puerco); New Mexico.

Dipriodon Marsh. Type *D. robustus* Marsh.

Marsh, O. C. 1889 D, 85.
Hay, O. P. 1902 A, 560 (Meniscoëssus).
Simpson, G. G. 1927 C, 4.

Dipriodon lunatus Marsh.

Hay, O. P. 1902 A, 561 (Meniscoëssus).
Bowen, C. F. 1915 A, 144.
Hennig, E. 1922 A, 220, 222, fig. 2.
Lull, R. S. 1915 D, 324, 345 (Meniscoëssus).
Upper Cretaceous (Lance); Wyoming.

Dipriodon robustus Marsh.

Hay, O. P. 1902 A, 561 (Meniscoëssus).
Bowen, C. F. 1915 A, 144.
Hennig, E. 1922 A, 220, 254.
Lull, R. S. 1915 D, 324, 345 (Meniscoëssus).
Simpson, G. G. 1926 D, 240.
Upper Cretaceous (Lance); Wyoming.

Catopsalis Cope. Type *C. foliatus* Cope.

Hay, O. P. 1902 A, 562.
Matthew, W. D. 1909 C, 100.
Matthew and Granger 1925 A, 6 (Syn. of Tæniolabis).
Matthew, Granger, Simpson 1928 A, 4.
Palmer, T. S. 1904 A, 164, 788.
Reagan, A. B. 1903 A, 82 (Calopsalis).
Seeley, H. G. 1886 A, 413.
Simpson, G. G. 1927 B, 9.
Trouessart, E. L. 1905 A, 865.

Catopsalis calgariensis Russell.

Russell, L. S. 1926 A, 230, fig. 1.
Simpson, G. G. 1927 B, 2, 9, fig. 1.
Upper Cretaceous (Paskapoo); Alberta.

Catopsalis foliatus Cope.

Hay, O. P. 1902 A, 562.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 38.
Russell, L. S. 1926 A, 232.
Schlosser, M. 1898 B, 362 (Polymastodon filiatus).
Tims, H. W. M. 1901 A, 284.
Paleocene (Puerco); New Mexico.

Tæniolabis Cope. Type *T. sulcatus* Cope.

Hay, O. P. 1902 A, 562.
Matthew, W. D. 1928 B, 949, 954, fig. 4 (To include Polymastodon).
Matthew and Granger 1925 A, 6.
Matthew, Granger, Simpson 1928 A, 1.
Palmer, T. S. 1904 A, 659, 788.
Seeley, H. G. 1886 A, 415.
Simpson and Elftman 1928 A, 17.
Zittel and Schlosser 1923 A, 432, 442 (Syn. of Polymastodon).

Tæniolabis sulcatus Cope.

Hay, O. P. 1902 A, 562.
Paleocene (Puerco); New Mexico.

GENERA OF UNCERTAIN RELATIONSHIPS.

PICRODUS Douglass. Type *P. silberlingi* Douglass.

Douglass, E. 1908 D, 17.

Picrodus silberlingi Douglass.

Douglass, E. 1908 D, 17, pl. i, figs. 9, 10.
Lull, R. S. 1915 D, 326.
Matthew, W. D. 1914 B, 390.
Paleocene (Fort Union); Montana.

PARONYCHODON Cope. Type *P. lacustris* Cope.

Hay, O. P. 1902 A, 490.
Matthew, W. D. 1916 A, 481.
Palmer, T. S. 1904 A, 516, 788.

Paronychodon lacustris Cope.

Hay, O. P. 1902 A, 490.
Bowen, C. F. 1915 A, 130, 151.

Hatcher, J. B. 1905 B, 84.
Matthew, W. D. 1916 A, 477.
Osborn, H. F. 1902 I, 12.
Peale, A. C. 1912 A, 754.
Upper Cretaceous (Judith River); Montana.

BOREODON Lambe. Type *B. matutinus* Lambe.

Lambe, L. M. 1902 A, 79.
1904 C, 25.
Matthew, W. D. 1916 A, 481.
Palmer, T. S. 1904 A, 139, 788.
Trouessart, E. L. 1905 A, 867.

Boreodon matutinus Lambe.

Lambe, L. M. 1902 A, 79, pl. xv, fig. 15.
Ameghino, F. 1903 A, 182.
Bowen, C. F. 1915 A, 144.

Brown, B. 1914 E, 379.
Hatcher, J. B. 1905 B, 100, fig. 1.
Hay, O. P. 1910 B, 296.
Lambe, L. M. 1904 C, 25, 37, 52.
1912 A, 10.
Lull, R. S. 1915 D, 324.
Matthew, W. D. 1916 A, 479, 484, 490.
Osborn, H. F. 1902 I, 15.
Stanton and Hatcher 1905 A, 50 ("mammal").
Upper Cretaceous (Belly River); Alberta.

Infraclass EUTHERIA Gill.

Citations are here made to the Eutheria of Gill, regarded by him as a subclass and as embracing the Didelphia and the Monodelphia.

Hay, O. P. 1902 A, 563.
Ameghino, F. 1909 A, 4.
Bardenfleth, K. S. 1913 A, 84.
Beddard, F. E. 1902 A, 116.
Bensley, B. A. 1901 B, 130.
Bolk, L. 1922 B, 55.
Broom, R. 1901 A, 188.
1908 A, 1055.
1910 B, 764 ("eutherians").
1912 B, 421.
1914 B, 132.
Case, E. C. 1898 C, 821 (Metatheria); 825 (Eutheria).
Cope, E. D. 1891 N, 65.
Dawkins, W. B. 1915 A, 520.
Duckworth, W. L. H. 1904 A, 21 (Theria).
Fürbringer, M. 1904 A, 575.
Gadow, H. 1912 A, 818.
Gregory, W. K. 1910 A, 92, 225, 228, 231 (Eutheria); 464 (Theria).
1916 A, 242 ("eutherian").
Lydekker, R. 1902 B, 374.
Matthew, W. D. 1904 D, 811 ("eutherian," Metatheria, "mammals").
1928 B, 949.
Miller, G. S. 1912 B, 2.
Osborn, H. F. 1899 J, 415.
1907 G, 11, 100.
1907 H, 613.
Parker and Haswell 1897 A, 448 (Theria).
Schlosser, M. 1905 A, 324.
Schuchert, C. 1915 A, 928.
Scott, W. B. 1913 A, 57.
Shufeldt, R. 1911 A, 72.
Smith, G. E. 1913 A, 560 ("eutherian").
Stromer, E. 1912 A, 162, 242.
Weber, M. 1904 A, 303.
Weber and Abel 1928 A, 3, 4, 5 (Theria).

Subclass DIDELPHIA Blainville.

Hay, O. P. 1902 A, 563.
Bolk, L. 1916 A, 718 ("didelphians").
1922 B, 55 (Metatheria).
Broom, R. 1897 B, 252 (Metatheria).
Carus, V. 1875 A, 179.
Cope, E. D. 1891 N, 66.
Doran, A. H. G. 1878 A, 477.
Gadow, H. 1912 A, 818 (Metatheria).
Gregory, W. K. 1910 A, 225 (Metatheria).
1920 A, 235.
Haeckel, E. 1868 A, 464.
Haeckel, E. 1873 A, 512, 543, 549 (Marsupialia).
1893 A, xx (Didelphida).
Hennig, E. 1922 A, 260.
Hill, J. P. 1897 A, 436 (Metatheria).
Hogben, L. T. 1919 A, 71 (Metatheria).
Hubrecht, A. A. W. 1908 A, 157.
Huxley, T. H. 1863 E, 527.
1870 F, 538.
1880 D, 452.
1880 E, 464 (Metatheria).
Jaekel, O. 1911 A, 206 (Didelphii).

Loomis, F. B. 1921 A, 189 ("didelphids").
Osborn, H. F. 1907 G, 100.
1907 H, 613.
Parker, W. K. 1886 A, 272 (Metatheria).
Parker and Haswell 1897 A, 449, 489 (Metatheria).
Reynolds, S. H. 1897 A, 349, 351.
Scott, W. B. 1913 A, 57, 59, 626.
Smith, G. E. 1911 A, 293 (Metatheria).
Stromer, E. 1908 B, 169.
Terra, P. 1911 A, 248.
Thomas, O. 1888 A, 453 (Metatheria).
Tims, H. W. M. 1911 A, 294 (Metatheria).
Tomes, C. S. 1900 A, 35 ("implacentals").
Weber, M. 1904 A, 361 (Didelphia); 302, 331 (Metatheria).
Wortman, J. L. 1902 A, xiv, 143 (Metatheria).

Order MARSUPIALIA Illiger.

Illiger, C. 1811 A, 75.
Hay, O. P. 1902 A, 563.
Abel, O. 1901 B, 313 ("beutelthiere").
1904 A, 183 ("marsupialier").
1906 A, 56 ("marsupialier").
1907 E, (249) ("marsupialier").
1910 B, (186).
1912 F, 172, 359, 541.
1913 B, 701.
1914 A, 34 ("beutelthiere"); 48 (Pantotheria).
1919 A, 710.
1920 A, 416.
1921 A, 185 ("marsupialier").
1922 E, 373.
1926 E, (137) ("marsupialier").
Adloff, P. 1903 A, 367 ("beutelthiere").
1906 A, 114 ("marsupialier").
1907 A, 530 ("marsupialier").
1910 B, 232 ("marsupialier").
1913 C, 8 ("marsupialier").
1918 A, 129 ("beutler").
Ärnbäck-Christie-Linde, A. 1912 A, 621.
Agassiz, L. 1836 B, 24 ("marsupiaux").
1844 D, 137.
Ahrens, H. 1912 B, 49 ("marsupialier").
Allis, E. P. 1919 D, 219.
Altmann, F. 1925 A, 106 ("beutler").
Ameghino, F. 1905 C, 351.
Anderson, C. 1925 A, 16, 25 ("marsupials").
Anthony, R. 1910 A, 783 ("marsupiaux").
1912 A, ("marsupiaux").
1913 A, 256 ("marsupiaux").
Arldt, T. 1907 A, 244.
1907 B, 456 ("marsupialier").
1907 D, 664.
1907 E, 207 (Pantotheria).
1911 A, 229 ("beuteltiere").
1912 A, 669, 679.
Bardeleben, K. 1885 B, 85 ("beutelthiere").
1889 A, 107 ("beuteltiere").
1889 B, 259 ("marsupials").
1904 A, 111 ("beuteltiere").
1906 A, 140 ("beuteltiere").
Bateson, W. 1892 A, 105 ("marsupials").
Bayer, F. 1897 A, 147.
Beddard, F. E. 1902 A, 122.
Beer, G. R. 1926 A, 326, 330.
Bender, O. 1907 A, 42 ("marsupialier").
Bensley, B. A. 1901 A, 431.
1901 B, 117.
1901 C, 245.
1903 A, 83.
1906 A, 1.
Bertelli, D. 1909 A, 157 (Marsupiali).
Beyer, H. 1908 A, 71, 81, 86, 99 ("beuteltiere").
Black, N. 1900 A, 8 ("marsupials").
Blatschkie, F. 1904 A, 151.
Bluntschli, H. 1912 B, 362 ("marsupialier").
Boas, J. E. V. 1914 B, 577 ("beuteltiere").
1918 A, 1-24.
1922 B, 55 ("marsupials").
Bolk, L. 1916 A, 715.
1921 B, 170.
Bonaparte, C. L. 1832 A, 288.
1833 A, 1042 ("beutelthiere").
1840 A, 11.
Bonsdorff, E. J. 1871 A, 318.
Boule, M. 1902 B, 910 ("marsupiaux").
Branca, W. 1915 A, 45 ("marsupialier").
Brandt, J. F. 1865 A, 27.
Brauer, A. 1914 A.
Braus, H. 1906 A, 304 ("marsupialier").
Broom, R. 1897 B, 252.
1897 D, 513 ("marsupials").
1898 A, 714 ("marsupials").
1901 A, 188.
1901 B, 735 ("marsupials").
1902 B, 168 ("marsupials").
1902 C, 449 ("marsupials").
1902 D, 549 ("marsupials").
1903 I, 546 ("marsupials").
1904 B, 89 ("marsupials").
1908 A, 1055 ("marsupials").
1909 D, 195 ("marsupials").
1910 B, 764.
1911 A, 921 ("marsupials").
1914 B, 132.
1914 F, 296 ("marsupials").
1926 A, 259.
Carlsson, A. 1922 A, 234.
Carter, J. T. 1922 A, 600, 603 ("marsupials").
Carus, V. 1875 A, 179.
Carus and Engelmann 1861 A, 1290.
Chandler, A. C. 1914 B, 139 ("marsupials").
Clark and Sonntag 1926 A.
Cleland, J. 1863 B, 302 (Marsupiata).
Cockerell, Miller and Prinz 1914 A, 350.
Cope, E. D. 1875 Y, 445.
1885 BB, 71.
1885 EE, 606.
1891 N, 67, 69, 89.
Cuvier, F. 1825 A, 125 ("marsupiaux").
Dana, J. D. 1863 B, 315 ("marsupials").
Dependorf, T. 1898 A, 245.
1907 A, 540 ("marsupialier").
1907 C, 99 ("beutler").
Diener, C. 1909 A, 55 ("beuteltiere").
Dollo, L. 1889 E, 186 ("marsupiaux").
1899 A, 188 ("marsupiaux").
1900 A, 275 ("marsupiaux").
1907 A, 166 ("marsupiaux").

Doran, A. H. G. 1878 A, 371.
Duckworth, W. L. H. 1904 A, 22.
Duméril, A. M. C. 1806 A, 338 (Marsupiati).
Eggeling, H. 1904 A, 84 ("marsupialier").
Eimer, G. H. T. 1901 A, 256 ("beuteltiere").
Eisler, P. 1895 A, 55 ("marsupialien").
Elliot, D. G. 1901 A, 1.
Emery, C. 1901 A, 671 ("marsupialier").
Flower, W. H. 1868 C, 631.
Frassetto, F. 1915 A.
Freund, P. 1892 A, 527.
Frey, H. 1911 A, 395.
Fuchs, H. 1906 A, 12 ("marsupialier").
1907 A, 154 ("marsupialier").
1911 A, 52 ("marsupialier").
1914 A, 37 ("marsupialier").
1922 A, 283.
Fürbringer, M. 1904 A.
Gadow, H. 1896 A, 48.
1912 A, 818 ("marsupials").
1913 A, 115 ("marsupials").
Gaupp, E. 1905 D, 1037 ("marsupialier").
1910 D, 92 ("marsupialier").
1911 A, 417 ("marsupialier").
1911 B, 99 ("marsupialier").
1911 D, 621 ("marsupialier").
1912 B, 219 ("marsupialier").
1913 A, 63 ("marsupialier").
Gegenbaur, C. 1864 C, 177 ("marsupialien").
Gervais, P. 1852 A, 131 ("marsupiaux").
1859 A, 257.
Gidley, J. W. 1915 A, 400 ("marsupials").
1919 A, 273 ("marsupials").
Giebel, C. G. 1855 A, 38.
1878 C, 854 ("beutelthiere").
1883 A ("beutler").
Gill, T. 1881 A, 383 (Pantotheria).
Gottlieb, H. 1914 A, 185.
Gregory, W. K. 1910 A, 38, 45, 69, 78, 197, 225, 437, 443, 453, 454, 464.
1910 C, 298.
1912 C, 188 (Marsupialia); 191 (Pantotheria).
1916 A, 248 ("marsupials"); 244, pl. i, E. (Pantotheria).
1920 A, 137, 235.
1922 A, 540.
1926 B, 411 (Pantotheria).
1927 D, 231 ("marsupials").
Haacke, W. 1886 A, 367 ("marsupialien").
Haeckel, E. 1868 A, 441.
1873 A, 588.
1893 A, xix.
Hanson, F. B. 1919 B, 78.
1920 B, 329 ("marsupials").
Hasse and Schwarck 1870 A, 148.
Hayek, H. 1926 A, 177 ("beuteltiere").
Heilprin, A. 1887 A, 334.
Hennig, E. 1922 A, 258 ("marsupialier").
Hertz, M. 1925 A ("marsupialier").
Hill, J. P. 1897 A, 385.
Hilzheimer, M. 1913 A, 517 ("beuteltiere").
Hoernes, R. 1886 A, 653.
Hogben, L. T. 1919 A, 71, 75 ("marsupials").
Hommes, J. H. 1924 A, 26 ("marsupials").
Hopewell-Smith and Tims 1911 A, 941 ("marsupials").
Howes, G. B. 1891 A, 154.
1902 A, 524.
Howes and Harrison 1893 A, 790.
Hubrecht, A. A. W. 1897 A, 27 ("marsupials").
1908 A.
Huxley, T. H. 1856 B, 194 ("marsupials").
1859 D, 435.
1863 E, 528.
1863 F, 580.
1868 C, 314, 316.
1869 G, 436.
1869 H, 389 ("marsupials").
1870 F, 528, 538.
1879 A, 404.
1880 E, 463.
1880 F, 163.
Jacobi, A. 1921 A, 215.
Johnson, A. 1883 A, 405 ("marsupials").
Kampfen, P. N. 1905 A.
1922 A, 54.
Kaudern, W. 1910 A, 562 ("marsupial").
Kesteven, H. L. 1918 A, 465 ("marsupials").
Kingsley, J. S. 1925 A, 205, 294.
Klaauw, C. J. 1924 A, 240.
Klein, E. E. 1868 A ("marsupialier").
Köstlin, O. 1844 A ("beutler").
Koken, E. 1893 B, 479 ("beutelthiere").
1901 B, 224 ("beutelthiere").
Kükenthal, W. 1913 A, 676.
Laloy, L. 1907 A, 585 ("marsupiaux").
Lavocat, A. 1885 A, 45 ("marsupiaux").
1896 A, 21 ("marsupiaux").
Leboucq, H. 1884 A, 74 ("marsupiaux").
Leche, W. 1887 A.
1900 A, 999, 1003.
1905 A, 578 ("marsupialier").
1907 A, 50 ("beutelthiere").
Le Damany, P. 1903 B, 275 ("marsupiaux").
1903 G, 322 ("marsupiaux").
1906 B, 163 ("marsupiaux").
Leunis and Ludwig 1883 A, 289.
Longman, H. A. 1924 A, 1-15.
Lubosch, W. 1907 A, 618 ("marsupialier").
1911 A, 329 ("marsupialier").
Lubsen, J. 1905 A, 449 ("marsupialier").
Lull, R. S. 1906 B, 554.
1910 D, 153 ("marsupials").
1917 B, 295, 322, 338.
Lydekker, R. 1893 F, 174.
1896 C.
1899 B, 922 ("marsupials").
1902 B, 373 ("marsupials").
1903 D, 101 ("marsupials").
1907 D, 498 ("marsupials").
Major, C. J. F. 1899 B, 61.
Mantell, G. A. 1844 A, 848.
Martins, C. 1857 A ("marsupiaux").
1872 A, 308 ("marsupiaux").
Matthew, W. D. 1904 D, 811 ("marsupials")
1905 B, 69 ("marsupials").
1905 D, 54.
1907 B, 532, 534.
1909 C, 103, 105, 110.
1909 D, 335, 338 ("marsupials").
1910 G, 156, 157.
1914 D, 491 ("marsupials").
1915 A, 187, 262, fig. 31.

Matthew, W. D. 1915 K, 475 ("marsupials").
1916 A, 479 ("marsupials").
1921 D, 211, 212.
1928 B, 948, 953, 954, 961, 978.
Mayer, A. F. 1842 A, 164 ("beutelthiere").
Mead, C. S. 1906 A, 480.
Meckel, J. F. 1825 A ("beutelthiere").
Meunier, S. 1903 A, 776 ("marsupiaux").
Miller, G. S. 1912 B, 2.
Mitchell, P. C. 1905 A, 445.
Mivart, St. G. 1888 A, 377 ("marsupials").
Mysberg, W. A. 1917 A, 647.
Nauck, E. T. 1923 A, 8 ("marsupialier").
Oehngren, S. 1919 A, 173.
Oken, L. 1823 A, 300 ("beutelthiere").
Osborn, H. F. 1898 U, 686.
1899 J, 415.
1901 F, 330.
1902 E, 356, fig. 1.
1905 N, 240 ("marsupials").
1907 G, 11, 94, 108.
1909 D, 129.
1917 B, 237.
1925 B, 18.
Owen, R. 1841 G, 315.
1841 H, 379.
1842 F, 87.
1857 E.
1858 A, 21.
1879 C, 573.
Palacký, J. 1902 B, 141 ("marsupialien").
1903 A, 1 ("marsupialien").
Pander and Alton 1828 A, 1 ("beutelthiere").
Parker, W. K. 1886 A, 268, 270 ("marsupials").
1888 C, 397 ("marsupials").
Parsons, F. G. 1903 A, 317.
Perna, G. 1906 A, 123.
Peters, W. 1867 A, 725 ("beutelthiere").
1867 C, 953 ("marsupials").
1868 B, 389.
Pictet, F. J. 1853 A, 388 ("didelphes").
Rabl, C. 1903 A, 175 ("marsupialier").
Rehs, J. 1914 A, 2, 32.
Retzius, A. 1849 A, 674.
Reynolds, S. H. 1897 A, 489, 546.
Röse, C. 1892 G, 143 ("beutelthiere").
Romer, A. S. 1922 A, 41, fig. 1 ("marsupials").
Rutland, J. 1901 A, 21033 ("marsupials").
Sabatier, A. 1897 B, 933 ("marsupiaux").
Schlosser, M. 1898 D, 124 ("beutler").
1899 K, 355.
1902 I, 737 ("marsupialier").
1903 G, 145.
1905 A, 325 ("marsupialier").
1911 A, 165 ("marsupialier").
Schmidt, O. 1886 A, 93 ("marsupials").
Schwalbe, G. 1904 A, 206.
Schwarz, E. 1924 A, 419.
Sclater, P. L. 1875 A, 209.
Scott, W. B. 1896 C, 308 ("marsupials").
1913 A, 57, 626, 684.
1917 A, 178 ("marsupials").
1928 B, 257.
Seeley, H. G. 1886 A, 413.
Serres, M. 1852 A, 145 ("marsupiaux").
Seydel, O. 1899 A, 516 ("marsupialier").
Shore, T. W. 1887 A, 365 ("marsupials").
Simpson, G. G. 1927 F, 122, 123.
1928 C, 147, 183.
Sinclair, W. J. 1905 C, 73 ("marsupials").
1906 B, 471.
Sixta, V. 1899 A, 329 ("marsupialier").
1900 A, 214 ("marsupialier").
1900 B, 326, 359.
1901 A, 323 ("marsupialier").
Smith, G. E. 1912 A, 425 ("marsupials").
Steinmann, G. 1907 A, 464.
1912 B, 717 ("beuteltiere").
Strecker, C. 1887 A, 318 ("beutelthiere").
Stromer, E. 1902 B, 556, 561 ("marsupialier").
1912 A, 162, 242.
1916 A, 403.
Taschenberg, O. 1899 A, 4425.
Thilenius, G. 1897 A, 484 ("marsupialier").
Thomas, O. 1887 A, 310.
1888 C, 1-401.
Tims, H. W. M. 1902 A, 321.
1905 B, 1785.
1911 A, 294 ("marsupials").
Todd, T. W. 1922 A, 268.
Tomes, C. S. 1900 A, 42 ("marsupials").
1906 A, 45 ("marsupials").
Tornier, G. 1888 A, 310 ("beuteltiere").
1891 A, 185 ("beuteltiere").
Trouessart, E. L. 1905 A, 826.
Van den Broeck, A. J. P. 1912 A, 782.
Van den Broeck, E. 1900 A, 66 ("marsupiaux").
Vogt, C. 1879 A, 245 ("marsupiaux").
Wagner, R. 1843 A, 12.
Wallace, A. R. 1876 A, I, 498; II, 248, 253.
1894 A, 436.
Walmsley, T. 1918 A, 327 ("marsupials").
Waterhouse, G. R. 1846 A, 1-549 (Marsupiata).
Watson, D. M. S. 1916 A, 354 ("marsupials").
Weber, M. 1904 A, 331.
Weber and Abel 1928 A, 4, 45, 889.
Weber and Burlet 1927 A.
White, C. A. 1885 A, 61 ("marsupials").
Wiedersheim, R. 1892 A, 57 ("beutler").
Winge, H. 1906 A, 53.
1923 A, 56, 93.
Wood, H. E. 1924 A, 77.
Woodward, A. S. 1916 A, lxxii ("marsupials").
1923 A, 32.
Woodward, H. 1904 B, 154.
Wortman, J. L. 1901 B, XI, 335.
1902 A, XIII, 45; XIV, 21.
1920 A, 13 ("marsupials").
Wright, R. R. 1883 A, 20.
Zaaijer, T. 1894 A, 339.
Zittel, K. A. 1897 A, 134 ("marsupialier").
Zittel and Schlosser 1911 A, 350 (Marsupialia); 350 (Pantotheria).
1923 A, 428, 664.

Suborder POLYPROTODONTIA.

Hay, O. P. 1902 A, 564.
Abel, O. 1913 B, 709.
Abel, O. 1914 A, 43.
1919 A, 717.

Ameghino, F. 1893 C, 77 (Polyprotodonta).
Arldt, T. 1907 D, 675.
1911 A, 231 ("polyprotodontier").
Beddard, F. E. 1902 A, 149.
Briquel, P. 1898 A, 14 ("polyprotodontes").
Broom, R. 1901 B, 735 ("polyprotodonts").
1910 B, 766 ("polyprotodont").
1911 C, 315 ("polyprotodonts").
1914 B, 119 ("polyprotodonts").
Case, E. C. 1898 C, 824 (Polyprotodonta).
Cope, E. D. 1891 N, 69.
Dederer, P. H. 1909 A, 614 (Polyprotodonta).
Dependorf, T. 1907 C, 103 ("polyprotodontier").
Gregory, W. K. 1910 A, 200, 201, 202.
1922 A, 64, 69.
Hennig, E. 1922 A, 258 ("polyprotodontier").
Hilzheimer, M. 1913 A, 522 ("polyprotodontier").
Kükenthal, W. 1913 A, 677.
Leche, W. 1905 A, 578 ("polyprotodontier").
Miller, G. S. 1912 B, 2.
Osborn, H. F. 1907 G, 111.
Palacký, J. 1903 A, 3 ("polyprotodontiden").
Reynolds, S. H. 1897 A, 350.
Schlosser, M. 1902 I, 737 (Polyprotodonta).
Scott, W. B. 1913 A, 630, 640, 671 (Polyprotodonta).
Simpson, G. G. 1927 F, 122, 123.
1928 C, 147.
Sixta, V. 1900 B, 326 ("polyprotodontier").
Steinmann, G. 1907 A, 465.
Stromer, E. 1912 A, 163.
Terra, P. 1911 A, 249.
Thomas, O. 1887 A, 312 ("polyprotodont marsupials").
1888 A, 447 ("polyprotodonts").
1888 C, 219.
Tims, H. W. M. 1902 A, 331.
Trouessart, E. L. 1905 A, 844.
Weber, M. 1904 A, 348.
Weber and Abel 1928 A, 68, 70, 79, 80, 83.
Weber and Burlet 1927 A, xiii.
Winge, H. 1923 A, 91, 93.
Zittel and Schlosser 1911 A, 358.
1923 A, 436.

Superfamily DIDELPHOIDÆ, new form.

Osborn, H. F. 1910 B, 515 (Didelphoidea).
Wright, R. R. 1883 A, 20 (Didelphia).

DIDELPHIDÆ Gray.

Unless otherwise indicated the authors, as quoted, use the spelling Didelphyidæ.
Gray, J. E. 1821 A, 308 (Didelphidæ).
Hay, O. P. 1902 A, 570.
Adloff, P. 1910 B, 230.
Ameghino, F. 1889 A, 1010 (Didelphydæ).
1893 B, 445.
1893 C, 77.
1893 D, 16 ("didelphes").
1897 B, 262 ("opossums").
1898 C, 74 ("didelphydes").
1900 A, 202 (Didelphydæ).
1902 B, 12.
1902 D, 423 (Didelphydæ).
1903 A, 160.
1905 A, 6.
1906 A, 351, 386.
Anderson, C. 1925 A, 24 (Didelphiidæ).
Anthony, R. 1913 A, 264 ("didelphes").
Arldt, T. 1907 D, 650.
1911 A, 230 ("didelphyden").
1912 A, 704, 750.
Bateson, W. 1892 A, 104.
Beddard, F. E. 1902 A, 155.
Bensley, B. A. 1901 A, 431 ("opossums").
1901 B, 120.
1901 C.
1903 A, 181, 204.
1906 A, 1.
Boas, J. E. V. 1914 B, 578 ("didelphyiden").
1918 A, 1 ("didelphyden").
Bonaparte, C. L. 1832 A, 288 (Pedimana).
1840 A, 257 (Didelphidæ).
Cuvier, G. 1805 A ("pedimanes").
1825 A, 284, pls. ("sarigues").
Dollo, L. 1899 A, 193.
Doran, A. H. G. 1878 A, 477, 480.
Elliot, D. G. 1901 A, 1.
Flower, W. H. 1868 C, 635.
Gadow, H. 1916 A, 545 ("opossums").
Gaudry, A. 1906 B, 125 ("sarigues").
Gaupp, E. 1910 C.
Gervais, P. 1859 A, 260 ("didelphidés").
Ghigi, A. 1900 B, 99 ("didelfidi").
Gidley, J. W. 1915 A, 400 (Didelphidæ).
Gill, T. 1885 B, 21.
Gregory, W. K. 1910 A, 201 (Didelphiidæ).
Hilzheimer, M. 1913 A, 522 ("didelphyden").
Hoernes, R. 1886 A, 657.
Huxley, T. H. 1880 E, 464 (Didelphidæ).
Koken, E. 1893 B, 480 ("didelphyden").
Kükenthal, W. 1913 A, 677.
Leche, W. 1887 A.
1912 A, 72.
Le Damany, P. 1903 D, 349 ("sarigues").
Leunis and Ludwig 1883 A, 294.
Lobley, J. L. 1908 A, 201, 205.
Lubosch, W. 1907 A, 618.
1908 B.
Lull, R. S. 1917 B, 338.
Lydekker, R. 1896 C, 193, 271.
Matschie, P. 1896 A, 247.
Matthew, W. D. 1909 C, 103, 105, 110.
1915 A, 184, 262, 268, fig. 31.
1915 K, fig. 17 ("opossum").
1916 A, 482 (Didelphidæ).
Matthew and Granger 1917 A, 323.
Meckel, J. F. 1825 A ("didelphen").
Miller, G. S. 1912 B, 2 (Didelphiidæ).
1924 C, 2 (Didelphiidæ).
Osborn, H. F. 1909 D, 55, 59, 61.
1910 B, 612.
Owen, R. 1841 G, 321, 332 (Scansoria).
1841 H, 380 ("opossums").
Palacký, J. 1903 A, 3 ("didelfiden").
Pander and Alton 1828 A, 1 ("didelphen").
Puccioni, N. 1908 A, 49 ("didelfidi").
Reynolds, S. H. 1897 A, 350, 423, 486, 521.

Scharff, R. F. 1911 A, 183, 229, 367, 403.
Schmidt, O. 1886 A, 97.
Scott, W. B. 1913 A, 627, 630 (Didelphiidæ).
Simpson, G. G. 1926 G, 91 (Didelphiidæ).
1927 F, 122, 123, 126 (Didelphiidæ).
1928 C, 210 (Didelphiidæ).
1928 G, 1 (Didelphiidæ).
Sinclair, W. J. 1905 C, 78.
1906 B, 408.
Stromer, E. 1902 B, 559, 560 ("didelphiden").
Terra, P. 1911 A, 252.
Thomas, O. 1888 A, 453.
1888 C, 315.
1914 A, 417 ("opossums").
Tornier, G. 1894 B, 104 ("didelphiden").
Trouessart, E. L. 1905 A, 850.
Wallace, A. R. 1876 A, II, 248.
1894 A, 436 (Didelphidæ).
Waterhouse, G. R. 1846 A, 462 (Didelphidæ).
Weber, M. 1904 A, 349.
Weber and Abel 1928 A, 68, 70, 82, 91.
Weber and Burlet 1927 A, xiii, 73.
Winge, H. 1923 A, 59, 93, 112 (Didelphyidæ, Didelphiidæ).
Wood, H. E. 1924 A, 85.
Wright, R. R. 1883 A, 24.
Zaaijer, T. 1894 A, 339 (Didelphydæ).
Zittel and Schlosser 1911 A, 362.
1923 A, 441, 442.

PEDIOMYINÆ Simpson.

Simpson, G. G. 1927 F, 122, 123.

PEDIOMYS Marsh. Type *P. elegans* Marsh.

Hay, O. P. 1902 A, 565 (Pediomys); 692 (Protolambda).
Arldt, T. 1912 A, 686 (Protolambda).
Gidley, J. W. 1906 F, 102, pl. v, fig. 6 (Pediomys?); 99, 104, fig. 12 (Protolambda).
Gregory, W. K. 1922 A, 65, 67 (Pediomys); 66 (Protolambda).
Matthew, W. D. 1916 A, 491.
Osborn, H. F. 1907 G, 96, fig. 47 (Protolambda).
Palmer, T. S. 1904 A, 518, 878 (Pediomys); 583, 909 (Protolambda).
Simpson, G. G. 1927 A, 6 (Pediomys).
1927 F, 122, 124 (Pediomys); Protolambda, a syn.).
1928 G, 2, 3.
Zittel and Schlosser 1911 A, 507 (Protolambda).
1923 A, 597, 664, 665 (Protolambda).

Pediomys elegans Marsh.

Hay, O. P. 1902 A, 565.
Ameghino, F. 1893 C, 81.
Bowen, C. F. 1915 A, 146.
Lull, R. S. 1915 D, 323, 345.
Merrill, G. P. 1907 A, 54.
Simpson, G. G. 1927 F, 122.
Trouessart, E. L. 1905 A, 843.
Upper Cretaceous (Lance); Wyoming.

Pediomys hatcheri (Osborn).

Hay, O. P. 1902 A, 692 (Protolambda).
Abel, O. 1919 A, 724, fig. 545 (Protolambda).
Mathew, W. D. 1916 A, 478 (Protolambda).
Simpson, G. G. 1927 F, 122.
Upper Cretaceous (Lance); Wyoming.

Pediomys sp. indet.

Simpson, G. G. 1927 A, 5. Upper Cretaceous (Hell Creek); Montana.
1928 G, 4, fig. 1.

NYSSODON Simpson. Type *N. punctidens* Simpson.

Simpson, G. G. 1927 F, 122, 124.

Nyssodon punctidens Simpson.

Simpson, G. G. 1927 F, 122, 124.
Upper Cretaceous (Lance); Wyoming.

THLÆODONTINÆ, new name.

Hay, O. P. 1902 A, 564 (Stagodontidæ, in part).
Cope, E. D. 1892 U, 760 (Thlæodontidæ).
Matthew, W. D. 1914 B, 387 (Thlæodontidæ).
Palmer, T. S. 1904 A, 773, 887 (Syn. of Stagodontidæ).
Simpson, G. G. 1927 F, 122, 124 (Didelphodontinæ; preoccupied by Matthew).

DIDELPHODON Marsh. Type *D. vorax* Marsh. Not preoccupied by *Didelphodus*.

Hay, O. P. 1902 A, 565.
Gregory, W. K. 1910 A, 206, 299 (Didelphops).
1922 A, 66, fig. 37 (Didelphops).
Matthew, W. D. 1906 C, 232 (Didelphops).
1909 D, 338 (Didelphops).
Osborn, H. F. 1907 G, 96, fig. 47, E (Didelphodon?).
1910 B, 515 (Didelphops).
Palmer, T. S. 1904 A, 230, 878 (Didelphodon); 230, 878 (Didelphops).
Simpson, G. G. 1927 A, 5.
1927 B, 9 (Didelphops).
1927 F, 125, 126.
Trouessart, E. L. 1905 A, 826 (Didelphops).
Weber and Abel 1928 A, 90 (Didelphodus).
Wortman, J. L. 1901 B, XI, 337 (Didelphops).

Didelphodon ferox Marsh.

Hay, O. P. 1902 A, 566.
Bowen, C. F. 1915 A, 144 (Didelphops).
Lemoine, V. 1889 A, 240, fig. 1.
Lull, R. S. 1915 D, 323, 345.
Matthew, W. D. 1916 A, 491, 496 (Didelphops).
Merrill, G. P. 1907 A, 34 (Didelphops).
Simpson, G. G. 1927 F, 125, 127.
Trouessart, E. L. 1905 A, 826 (Didelphops).
Upper Cretaceous (Lance); Wyoming.

Didelphodon vorax Marsh.

Hay, O. P. 1902 A, 566.
Abel, O. 1919 A, 724, fig. 545 (Didelphops).
Ameghino, F. 1893 C, 81 (Didelphops).
Bowen, C. F. 1915 A, 144 (Didelphops).
Huene, F. 1918 A, 209 (Didelphys).
Koken, E. 1893 B, 426 (Didelphops).
Lemoine, V. 1889 A, 240, fig. 1.
Lull, R. S. 1915 D, 323, 345.
Matthew, W. D. 1916 A, 491 (Didelphops).
Simpson, G. G. 1927 F, 122, 128.
Trouessart, E. L. 1905 A, 826 (Didelphops).
Upper Cretaceous (Lance); Wyoming.

Didelphodon sp. indet.

Merrill, G. P. 1907 A, 34 (Didelphops). Upper Cretaceous (Lance); Wyoming.

ECTOCONODON Osborn. Type *E. petersoni* Osborn.

Hay, O. P. 1902 A, 692.
Cossman, M. 1901 B, 186.
Palmer, T. S. 1904 A, 251, 909.
Schlosser, M. 1902 E, 473.
Simpson, G. G. 1927 F, 121, 125, 126.

Ectoconodon petersoni Osborn.

Hay, O. P. 1902 A, 692.
Abel, O. 1919 A, 724, fig. 545.
Matthew, W. D. 1916 A, 478.
Simpson, S. S. 1927 F, 122, 126.
Upper Cretaceous (Lance); Wyoming.

THLÆODON Cope. Type *T. padanacus* Cope.

Hay, O. P. 1902 A, 565.
Gregory, W. K. 1922 A, 66, 67, 68.
Hennig, E. 1919 A, 6.
Matthew, W. D. 1915 A, 268.
1916 A, 481.
Palmer, T. S. 1904 A, 674, 887.
Simpson, G. G. 1927 B, 9.
1927 F, 121.
1928 K, 465, fig. 4.
Trouessart, E. L. 1905 A, 860.
Weber and Abel 1928 A, 83.
Zittel and Schlosser 1923 A, 441.

Thlæodon padanicus Cope.

Hay, O. P. 1902 A, 565.
Gregory, W. K. 1922 A, 67, fig. 38.
Huene, F. 1918 A, 209.
Lull, R. S. 1915 D, 323.
Matthew, W. D. 1916 A, 478, 492, pls. v. vi, text-fig. 3.
Simpson, G. G. 1927 A, 1, 5.
1927 F, 122, 126.
Zittel and Schlosser 1923 A, 441, fig. 559.
Cretaceous (Lance); Wyoming.

Thlæodon sp. indet.

Simpson, G. G. 1927 A, 5, fig. 4 (This genus?).
Upper Cretaceous (Hell Creek); Montana.

ALPHODON Simpson. Type *A. marshi* Simpson.

Simpson, G. G. 1927 F, 122 (Alphodon); 125, 130 (Alphadon).

Alphodon marshi Simpson.

Simpson, G. G. 1927 F, 122 (Alphodon); 125, 130 (Alphadon).
Upper Cretaceous (Lance); Wyoming.

CIMOLESTINÆ Trouessart.

Trouessart, E. L. 1905 A, 842.
Hay, O. P. 1902 A, 564 (Stagodontidæ); 565 (Cimolestidæ).
Ameghino, F. 1893 C, 80 (Stagodontidæ).
Gregory, W. K. 1922 A, 64.
Hennig, E. 1921 A, 261 (Cimolestidæ, Stagodontidæ).
Marsh, O. C. 1902 A, 564 (Stagodontidæ); 565 (Cimolestidæ).
Matthew, W. D. 1914 B, 387.
1915 A, 268.
1916 A, 482, 499.
1921 D, 211, 217.
Matthew and Granger 1925 A, 12.
Palmer, T. S. 1904 A, 734, 878 (Cimolestidæ); 771, 887, 889 (Stagodontidæ).
Simpson, G. G. 1927 F, 126 ("Didelphidæ incertæ sedis").
Trouessart, E. L. 1905 A, 860 (Stagodontidæ).

THE FOLLOWING GENERA ARE REFERRED TO THIS SUBFAMILY ONLY PROVISIONALLY.

CIMOLESTES Marsh. Type *C. incisus* Marsh.

Hay, O. P. 1902 A, 566.
Ameghino, F. 1893 C, 80.
Huene, F. 1918 A, 209.
Koken, E. 1893 B, 426.
Matthew, W. D. 1916 A, 491.
Palmer, T. S. 1904 A, 189, 878.
Simpson, G. G. 1927 F, 127.
Trouessart, E. L. 1905 A, 826.
Woodward, A. S. 1916 B, 527.
Zittel and Schlosser 1911 A, 363.
1923 A, 441 (Syn. of Thlæodon).

Cimolestes incisus Marsh.

Hay, O. P. 1902 A, 566.
Ameghino, F. 1893 C, 81.
Bowen, C. F. 1915 A, 146.
Lemoine, V. 1889 A, 240, fig. 1.
Lull, R. S. 1915 D, 323, 345.
Matthew, W. D. 1916 A, 491.
Simpson, G. G. 1927 F, 122.
Woodward, A. S. 1916 B, 528.
Upper Cretaceous (Lance); Wyoming.

Cimolestes sp. indet.

Douglass, E. 1908 D, 16, pl. i, fig. 17. Paleocene (Fort Union); Montana.

DIAPHORODON Simpson. Type *Cimolestes curtus* Marsh.

Simpson, G. G. 1927 F, 122, 126, 127.

Diaphorodon curtus (Marsh).

Hay, O. P. 1902 A, 566 (Cimolestes).
Ameghino, F. 1893 C, 81 (Cimolestes).
Bowen, C. F. 1915 A, 146 (Cimolestes).
Lull, R. S. 1915 D, 323, 345 (Cimolestes).
Matthew, W. D. 1916 A, 488, 491, 496 (Cimolestes).
Simpson, G. G. 1927 F, 122, 127, 130.
Woodward, A. S. 1916 B, 528 (Cimolestes).
Upper Cretaceous (Lance); Wyoming.

DELPHODON Simpson. Type *Didelphodon comptus* Marsh.

Simpson, G. G. 1927 F, 122, 127.

Delphodon comptus (Marsh).

Hay, O. P. 1902 A, 566 (Didelphodon).
Ameghino, F. 1893 C, 81 (Didelphops).
Bowen, C. F. 1915 A, 144 (Didelphops).
Lemoine, V. 1889 A, 240, fig. 1 (Didelphodon).
Lull, R. S. 1915 D, 323, 345 (Didelphodon).
Matthew, W. D. 1916 A, 491, 496 (Didelphodon).
Merrill, G. P. 1907 A, 34 (Didelphops).
Simpson, G. G. 1927 F, 122, 127.
Trouessart, E. L. 1905 A, 826 (Didelphops).
Upper Cretaceous (Lance); Wyoming.

STAGODON Marsh. Type *S. nitor* Marsh.

Hay, O. P. 1902 A, 564.
Huene, F. 1918 A, 209.
Matthew, W. D. 1916 A, 492.
Palmer, T. S. 1904 A, 642, 887.
Simpson, G. G. 1927 F, 122, 126, 128.
Trouessart, E. L. 1905 A, 860.
Woodward, A. S. 1916 B, 528.

Stagodon nitor Marsh.

Hay, O. P. 1902 A, 564.
Ameghino, F. 1893 C, 80.
Bowen, C. F. 1915 A, 146.
Lull, R. S. 1915 D, 323, 345.
Simpson, G. G. 1927 F, 128.
Trouessart, E. L. 1905 A, 860.
Upper Cretaceous (Lance); Wyoming.

Stagodon tumidus Marsh.

Hay, O. P. 1902 A, 565.
Ameghino, F. 1893 C, 80.
Bowen, C. F. 1915 A, 146.
Lull, R. S. 1915 D, 323, 345.
Trouessart, E. L. 1905 A, 860.
Upper Cretaceous (Lance); Wyoming.

Stagodon validus Marsh.

Hay, O. P. 1902 A, 565.
Bowen, C. F. 1915 A, 146.
Lull, R. S. 1915 D, 323, 345.
Matthew, W. D. 1916 A, 493, 496.
Merrill, G. P. 1907 A, 60.
Upper Cretaceous (Lance); Wyoming.

Stagodon sp. indet.

Simpson, G. G. 1927 A, 5 (This genus?). Upper Cretaceous (Hell Creek); Montana.

BATODON Marsh. Type *B. tenuis* Marsh.

Hay, O. P. 1902 A, 565.
Matthew, W. D. 1916 A, 497.
Palmer, T. S. 1904 A, 134, 878.
Simpson, G. G. 1927 A, 7.
1927 B, 9.
1927 F, 129.
A genus of uncertain position.

Batodon tenuis Marsh.

Hay, O. P. 1902 A, 565.
Bowen, C. F. 1915 A, 146.
Douglass, E. 1908 D, 15.
Lull, R. S. 1915 D, 323, 345.
Merrill, G. P. 1907 A, 25.
Simpson, G. G. 1927 F, 122, 129.
Trouessart, E. L. 1905 A, 842.
Upper Cretaceous (Lance); Wyoming: Paleocene (Fort Union); Montana.

Batodon sp. indet.

Douglass, E. 1908 D, 15. Paleocene (Fort Union); Montana.

DIDELPHINÆ.

Simpson, G. G. 1927 F, 123.

PERATHERIUM Aymard. Type not indicated.

Aymard, A. 1850, Ann. Soc. Agri. Sci., Arts. et Comm. du Puy, XIV, 81, 83-84.
Hay, O. P. 1902 A, 570 (Didelphis, in part).
Bensley, B. A. 1903 A, 181.

Bensley, B. A. 1906 A, 13.
Chardin, P. T. 1927 A, 7, fig. 1.
Depéret, C. 1905 C, 705.
1906 A, 619.
1908 A, 169.
Douglass, E. 1905 A, 211.
Filhol, H. 1877 A, 247.
Gervais, P. 1859 A, 261.
Gidley, J. W. 1915 A, 400.
Gregory, W. K. 1910 A, 205.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 110.
1909 D, 339, 540, pl. xlix, fig. 4; pl. l, fig. 9.
1915 A, 268.
1915 K, 420.
Osborn, H. F. 1907 G, 109.
1910 B, 627.
Scott, W. B. 1913 A, 627, 631.
Seeley, H. G. 1886 A, 418.
Simpson, G. G. 1928 G, 1-6.
Stock and Furlong 1922 A, 311.
Troxell, E. L. 1923 F, 507.
Winge, H. 1923 A, 60, 85, 91, 98 (Perotherium).
Woodward, A. S. 1898 B, 260.

Peratherium alternans Cope.

Hay, O. P. 1902 A, 571 (Didelphis).
Matthew, W. D. 1909 C, 105.
Middle Oligocene (Cedar Creek); Colorado.

Peratherium comstocki Cope.

Hay, O. P. 1902 A, 571 (Didelphis).
Matthew, W. D. 1909 C, 93.
Osborn, H. F. 1909 D, 46.
Palacký, J. 1903 A, 5 (Didelphys).
Simpson, G. G. 1928 G, 1, 5, fig. 2.
Lower Eocene (Wind River); Wyoming.

Peratherium fugax Cope.

Hay, O. P. 1902 A, 571 (Didelphis).
Bensley, B. A. 1901 C, 249.
Cook, H. J. 1912 D, 35.
Cope, E. D. 1891 N, 69, fig. 37.
Matthew, W. D. 1909 C, 105.
Seeley, H. G. 1886 A, 513, figs.
Simpson, G. G. 1928 G, 4, fig. 1.
Stock and Furlong 1922 A, 311.
Troxell, E. L. 1923 F, 507.
Middle Oligocene (Cedar Creek); Colorado: (Brule?); Nebraska.

Peratherium huntii Cope.

Hay, O. P. 1902 A, 571 (Didelphis).
Matthew, W. D. 1909 C, 105.
Middle Oligocene (Cedar Creek); Colorado.

Peratherium innominatum Simpson.

Simpson, G. G. 1928 G, 4, 6, figs. 3, 5.
Middle Eocene (Lower Bridger); Wyoming.

Peratherium marginale Cope.

Hay, O. P. 1902 A, 571 (Didelphis).
Matthew, W. D. 1909 C, 105.
Middle Oligocene (Cedar Creek); Colorado.

Peratherium marsupium (Troxell).

Troxell, E. L. 1923 F, 508, figs. 1-3 (Herpetotherium).
Simpson, G. G. 1928 G, 3, 5, figs. 1-4.
Middle Eocene (Bridger); Wyoming.

Peratherium merriami Stock and Furlong.

Stock and Furlong 1922 A, 312, figs. 1-5.
Simpson, G. G. 1928 G, 1.
Oligocene (John Day); Oregon.

Peratherium pygmæum (Scott).

Hay, O. P. 1902 A, 571 (Didelphis).
Dall and Harris 1892 A, 305 (Didelphys),
Matthew, W. D. 1909 C, 105.
Middle Oligocene (Cedar Creek); Colorado.

Peratherium scalare Cope.

Hay, O. P. 1902 A, 571 (Didelphis).
Matthew, W. D. 1909 C, 105.
Middle Oligocene (Cedar Creek); Colorado.

Peratherium titanelix Matthew.

Matthew, W. D. 1903 B, 202, fig. 1.
1909 C, 103.
Troxell, E. L. 1923 F, 507.
Lower Oligocene (Chadron); Montana.

Peratherium tricuspe Cope.

Hay, O. P. 1902 A, 571 (Didelphis).
Matthew, W. D. 1909 C, 105.
Middle Oligocene (Cedar Creek); Colorado.

Peratherium sp. indet.

Douglass, E. 1908 D, 16. Paleocene (Fort Union); Montana.

PERADECTES Matthew and Granger. Type *P. elegans* Matthew and Granger.

Matthew and Granger 1921 A, 2.
Carter, J. T. 1922 A, 604, 606.
Simpson, G. G. 1928 G, 3.
Winge, H. 1923 A, 101 (Perodectes).
Zittel and Schlosser 1923 A, 441.

Peradectes elegans Matthew and Granger.

Matthew and Granger 1921 A, 2.
Reeside, J. B. 1924 A, 47.
Simpson, G. G. 1928 G, 1, figs. 1-3.
Paleocene (Tiffany); Colorado.

EODELPHIS Matthew. Type *E. browni* Matthew.

Matthew, W. D. 1916 A, 482.
Gregory, W. K. 1922 A, 65, 70.
1927 G, 268, fig. 1.
Hennig, E. 1919 A, 6 (Eodidelphys).
Simpson, G. G. 1927 A, 6.
1927 F, 126.
1928 C, 147.
Sternberg, C. M. 1926 A, 103.

Weber and Abel 1928 A, 91.
Winge, H. 1923 A, 101, 108 (Eodidelphis).
Zittel and Schlosser 1923 A, 441 (Eodelphys).

Eodelphis browni Matthew.

Matthew, W. D. 1916 A, 482, pls. ii-iv; text-figs. 1, 2.
Gregory, W. K. 1922 A, 64, fig. 36.
Huene, F. 1918 A, 209.
Longman, H. A. 1924 A, 9.
Simpson, G. G. 1928 C, 147.
Weber and Abel 1928 A, 83, fig. 44.
Upper Cretaceous (Belly River); Alberta.

Eodelphis cutleri (Woodward).

Woodward, A. S. 1916 D, Abstr. 158, 30 (Cimolestes).
Simpson, G. G. 1928 C, 148.
Woodward, A. S. 1916 E, 525, fig. 1 (Cimolestes).
Upper Cretaceous (Belly River); Alberta.

Didelphis Linnæus. Type *D. marsupialis* Linnæus.

Unless otherwise indicated the authors, as quoted, use the spelling *Didelphys*.

Hay, O. P. 1902 A, 570 (Didelphis).
Abel, O. 1912 F, 224, fig. 152.
1914 C, 335, 336, figs. 5, 6.
Adams, L. A. 1919 A, 115, pl. x.
Adloff, P. 1918 A, 137, figs. 6, 7 (Didelphis).
Allen, J. A. 1892 A.
1901 B, 149.
1901 D, 185.
1902 B, 249.
Ameghino, F. 1889 A, 1010.
1897 B, 260.
1900 A, 204.
1902 A, 21.
1902 B, 6.
1902 D, 432.
1903 A, 160.
1904 A, 529.
1905 A, 6.
1905 C, 413, figs. 62, 96.
1906 A, 285, 388.
Anthony, R. 1912 A ("sarigue").
Arldt, T. 1907 B, 456.
1907 D, 650.
Baird, S. F. 1876 A, CCVIII ("opossum").
Bardeleben, K. 1885 B, 86.
1901 A, 95.
Bardenfleth, K. S. 1913 A, 71.
Beddard, F. E. 1902 A, 155.
Behlen, H. 1906 A, 195.
Bensley, B. A. 1901 C, 249 (Peratherium).
1902 A, 7.
1903 A, 182.
1906 A, 5, 12.
Blendinger, W. 1904 A, 467, figs. 15, 16.
Bluntschli, H. 1912 B, 367, fig. 7.
Boas, J. E. V. 1909 A, 524.
1914 C, 301, fig. 90.
Bolk, L. 1916 A, 735.
Bronn, H. G. 1848 A, 423.
1849 A, 718, 783, seq.
Broom, R. 1901 B, 738.
1910 B, 766.
Carlsson, A. 1922 A.
Cleland, J. 1863 B, 302 ("opossum").
Cope, E. D. 1880 U, 156.
Cuvier, F. 1825 A, 73, pl. xxiii, C ("sarigues").
Cuvier, G. 1805 A.
Dana, J. D. 1863 C, 342.
Dependorf, T. 1898 A, 246.
1907 C, 103.
Doran, A. H. G. 1878 A, 480.
Eggeling, H. 1904 A, 86.
Eimer, G. H. T. 1901 A, 139.
Eisler, P. 1895 A.
Elliot, D. G. 1901 A, 1.
Emery, C. 1901 A, 671, figs. 14, 16.
Fischer, J. B. 1829 A, 263.
Flower, W. H. 1870 A, 244.
Frassetto, F. 1915 A, fig. 91.
Frech, F. 1906 A, 485, 487.
1907 A, 315.
Fuchs, H. 1906 A, 19.
1907 A, 163.
1908 B, 585, figs. 1, 2.
1909 D, 33, figs. 11*a*, 11*b*; 122, fig. 25.
1910 A, 48.
1911 B, 379, figs. 13-15, 41
1911 D, 112.
1914 A, 38.
1922 A, 283.
Gaupp, E. 1905 C, 128.
1905 D, 1042.
1905 E, 159.
1908 C, 673, 745.
1910 C, 396.
1911 B, 99.
1911 D, 625.
1913 A, 62, fig. 32.
Gegenbaur, C. 1864 C, 176, fig. 1.
1865 C, 546, fig. 1.
Gervais, P. 1852 A, 133, pl. xlv.
1853 B, 68 ("didelphes").
1859 A, 262, pl. xlv.
Giebel, C. G. 1855 A, 40, pl. xvii, figs. 10, 12.
1883 A, pls. xix, xlvii, lix, lxiii, lxxviii.
Grant, M. 1904 B, 205.
Gregory, W. K. 1910 A, 192, 218, 437, 440 (Didelphis).
1916 A, 244, pl. i, M; text-figs. 7, 9 (Didelphis).
1920 A, 140, fig. 63 (Didelphis).
1921 A, 68, 77, pl. xxvii (Didelphis).
1927 G, 270 ("opossum").
Hasse and Schwarck 1870 A, 152.
Hay, O. P. 1928 C, 425.
Heilprin, A. 1887 A, 334, 335.
Henckel, K. O. 1927 A, 375.
Hensel, R. 1879 A, 531.
Hill, J. P. 1897 A, 408.
Hilzheimer, M. 1913 A, 521.
Hommes, J. H. 1924 A, 21.
Hopewell-Smith and Tims 1911 A, 941.
Huene, F. 1918 A, 208.
Ihering, H. 1909 A, 300.
Jaeger, G. F. 1842 A, 435.
Kampfen, P. N. 1922 A, 54.
Kehrer, F. A. 1896 A, 354.
Kingsley, J. S. 1925 A, 205, fig. 215.

Klaauw, C. J. 1924 A, 240.
1924 B, 600.
Köstlin, O. 1844 A.
Lavocat, A. 1896 A, 26.
Lebouc̨q, H. 1884 A, 75.
Leche, W. 1887 A.
1900 A, 995, 1002.
1904 A, 219.
Lobley, J. L. 1908 A, 196.
Lubosch, W. 1908 B.
1911 B, 744.
Lydekker, R. 1896 C, 196, 271.
Major, C. J. F. 1880 A, 39.
Martins, C. 1857 A, 76.
Matthes, E. 1921 C.
Matthew, W. D. 1906 C, 214.
1909 D, 335, text-fig. 6 ("opossum").
1915 A, 268.
1916 A, 481 (Didelphis).
1917 A, 574 (Didelphis).
Meckel, J. F. 1825 A.
Merriam, C. H. 1892 A, 60 (Didelphis).
Miller, G. S. 1912 B, 2 (Didelphis).
1923 C, 2 (Didelphis).
Oehngren, S. 1919 A, 173, figs. 15-17.
Osborn, H. F. 1893 N, 187.
1901 B, 216, 472, 516.
1901 F, 331.
1907 G, 108, figs. 58, 209.
1917 B, 235, fig.
Owen, R. 1841 G, 321.
1845 B, 380.
1868 A, 877.
Palacký, J. 1902 B, 142.
Palmer, T. S. 1904 A, 229, 879.
Pander and Alton 1828 A, 1.
Parker and Haswell 1897 A, 531.
Peters, W. 1867 A, 728.
1867 C, 953.
1868 B, 390.
Pfeiffer, H. 1854 A, 13 (Didelphis).
Pictet, F. J. 1853 A, 395.
Puccioni, N. 1908 A, 55.
Rathke, H. 1846 A, 168.
Rehn, J. A. G. 1901 A, 147 (Didelphis).
Rehs, J. 1914 A, 35.
Retterer, E. 1916 A, 767 ("sarigues").
Reynolds, S. H. 1897 A, 422, 443.
Röse, C. 1892 F, 402, 405.
1897 A, 66, fig. 26.
Romer, A. S. 1922 B, *passim*, pls. xxviiib; xxviiib-xxxvi; xxxviiia, xxxviiib; xl-xlvi.
Rosenberg, E. 1895 A, 298.
Schapiro, B. 1913 A, 219.
Scharff, R. F. 1911 A, 182, 283, 367.
Schlosser, M. 1899 C, 165.
1899 L, 353.
1902 F, 135.
1902 I, 737, 738.
1921 A, 122.
Schmalhausen, J. J. 1908 A, 342.
1908 B, 376, fig. 3.
Schwalbe, G. 1904 A, 206.
Sclater, P. L. 1875 A, 213.
Scott, W. B. 1913 A, 631 (Didelphis).
1916 A, 115 ("opossums").
1917 A, 127, 133, 134 ("opossum").
Simpson, G. G. 1926 D, 248.
Simpson, G. G. 1927 F, 123.
1928 C, 209, figs. 46, 48, 50, 52, 53.
1928 G, 2, 4, fig. 1.
Sinclair, W. J. 1906 B, 466.
Sixta, V. 1900 B, 328.
Stromer, E. 1902 B, 560.
Taschenberg, O. 1899 A, 4540.
Terra, P. 1911 A, 252, fig. 84.
Thomas, O. 1888 A, 447, 457.
1888 C, 316.
1901 A, 144 (Didelphis).
Thompson, A. H. 1900 A, 922.
Tims, H. W. M. 1902 A, 329.
1905 B, 1785.
Tornier, G. 1891 A, 114.
Trouessart, E. L. 1905 A, 850.
Troxell, E. L. 1923 F, 509.
Van den Broeck, A. J. P. 1912 A, 782.
Virchow, H. 1917 A, 233, figs. 1-6.
Wallace, A. R. 1876 A, I, 126, 130, 145.
Waterhouse, G. R. 1846 A, 464.
Watson, D. M. S. 1913 D, 24 (Didelphis).
Weber, M. 1904 A, 349, 354.
Weber and Abel 1928 A, 49, 71, figs. 17, 31 (Didelphys).
Weber and Burlet 1927 A.
Weil, R. 1900 A, 103, pls. i, ii.
Wiedersheim, R. 1892 A, 57, pl. vii, fig. 15.
Winge, H. 1893 C, 37.
1923 A, 61, 87, 90, 93, 115 (Didelphis, Didelphys).
Woodward, A. S. 1898 D, 331, 332.
Woodward, M. F. 1894 B, 444.
Wortman, J. L. 1901 B, XI, 338 ("opossum").
Wright, R. R. 1883 A, 24.
Zittel and Schlosser 1911 A, 363.
1923 A, 441, figs. 560, 685.

Didelphis valens Lambe.

Lambe, L. M. 1908 A, 10, 22, pl. viii, figs. 1-7. Oligocene (Cypress Hills); Saskatchewan.

Didelphis virginiana Kerr.

Hay, O. P. 1902 A, 571.
Agassiz, L. 1859 B, 186 ("opossum").
Allen, J. A. 1901 B, 160, 180, pl. xxii.
1901 D, 187 (D. marsupialis).
1902 B, 256.
Ameghino, F. 1912 B, 179 (Didelphys).
Baker, F. C. 1920 A, 373.
Bangs, O. 1898 A, 172.
Bluntschli, H. 1912 B, 366, fig. 7.
Broom, R. 1926 A, 261.
Cope, E. D. 1895 G, 596 (Didelphys).
Eimer, G. H. T. 1901 A, 15, 16.
Elliot, D. G. 1901 A, 1, fig. 1 (Didelphys).
Eudes-Deslongchamps, E. 1842 C, 37, pl. iv.
Flower, W. H. 1868 C, 635, pl. xxx, fig. 5.
Foote, J. S. 1916 A, 147, pl. xx (Didelphys).
Frech and Geinitz 1903 A, 36 (Didelphys).
Fuchs, H. 1906 A, 34 (Didelphys).
Gaupp, E. 1905 C, 126, fig. 1 (Didelphys).
Gidley, J. W. 1927 E, 274.
Giebel, C. G. 1883 A, pls. lix, lxxxv (Didelphys).
Gregory, W. K. 1919 B, 422, fig. 5 ("opossum").
1921 A, 239.
Haacke, W. 1886 A, 367 (Didelphys).
Hanson, F. B. 1920 B, 330 (Didelphys).

Hay, O. P. 1917 E, 44.
1920 B, 135.
1923 A, 363, 382.
1927 D, 274.
Holmes, F. S. 1859 A, 184 ("opossum").
1860 A, IV ("opossum").
Lydekker, R. 1896 C, 196 (D. marsupialis).
Matthew, W. D. 1916 A, 497, fig. 4.
1925 A, 97 (D. sp.).
Miller, G. S. 1912 B, 3.
1924 C, 3.
Owen, R. 1838 A, 123 ("opossum").
1841 H, 382, 386 ("virginia opossum").
1845 B, pl. xcviii, fig. 6.
1868 A, 877.
Pander and Alton 1828 A, 1, pl. vi.
Paulli, S. 1899 A, 172 (Didelphys).
Rehn, J. A. G. 1901 A, 149.
Scharff, R. F. 1911 A, 284, 366 (Didelphys marsupialis).
Schmidt, E. 1872 A, 251 (Didelphys).
Sellards, E. H. 1916 C, 139, 140, 148, 158.
1916 D, 616.
1916 E, 16, 17.
Simpson, G. G. 1928 H, 1.
Stromer, E. 1902 B, 556.
Thomas, O. 1901 A, 145.
Trouessart, E. L. 1905 A, 852 (Didelphys).
Troxell, E. L. 1923 F, 509, fig. 4.
Turner, H. N. 1847 A, 114, fig. 2 (Didelphys).
Waterhouse, G. R. 1846 A, 465.
Wood, H. E. 1924 A, tables 1, 2.
Wortman, J. L. 1901 B, XII, 379, text-fig. 46.
Wright, R. R. 1883 A, 24, figs. 5-8 (Didelphys).
Recent; Great Lakes to Oklahoma and Texas nearly to Gulf, Hudson Valley to Florida and west to Louisiana: Pleistocene; Florida, Texas.

Didelphis sp. indet.

Cooke, C. W. 1926 A, 445 ("opossum"). Pleistocene; Florida.

THYLACODON Matthew and Granger. Type *T. pusillus* Matthew and Granger.

Matthew and Granger 1921 A, 2.
Zittel and Schlosser 1923 A, 441.

Thylacodon pusillus Matthew and Granger.

Matthew and Granger 1921 A, 2.
Simpson, G. G. 1928 G, 1.
Paleocene (Puerco); New Mexico.

TELACODON Marsh. Type *T. lævis* Marsh.

Hay, O. P. 1902 A, 566.
Gidley, J. W. 1906 F, 103.
Matthew, W. D. 1916 A, 491, 497.
Palmer, T. S. 1904 A, 666, 878.
Simpson, G. G. 1927 A, 7.
1927 F, 129.
A genus of uncertain position. It may belong among the *Monodelphia*.

Telacodon lævis Marsh.

Hay, O. P. 1902 A, 566.
Bowen, C. F. 1915 A, 146.
Lull, R. S. 1915 D, 323, 345.
Merrill, G. P. 1907 A, 62.
Simpson, G. G. 1927 F, 122, 129.
Trouessart, E. L. 1905 A, 842.
Upper Cretaceous (Lance); Wyoming.

Telacodon præstans Marsh.

Hay, O. P. 1902 A, 566.
Bowen, C. F. 1915 A, 146.
Lull, R. S. 1915 D, 323, 345.
Merrill, G. P. 1907 A, 62.
Simpson, G. G. 1927 F, 129 (This genus?).
Upper Cretaceous (Lance); Wyoming.

SYNCONODON Osborn. Type *S. sexcuspis* Osborn.

Hay, O. P. 1902 A, 692.
Cossmann, M. 1901 B, 186.
Osborn, H. F. 1907 G, 96, fig. 47.
Palmer, T. S. 1904 A, 656, 909.
Schlosser, M. 1902 E, 473.
Simpson, G. G. 1927 F, 121, 129.
The systematic position of this genus is doubtful.

Synconodon sexcuspis Osborn.

Hay, O. P. 1902 A, 692.
Abel, O. 1919 A, 724, fig. 545.
Matthew, W. D. 1916 A, 478.
Simpson, G. G. 1927 F, 123, 129.
Cretaceous (Lance); Wyoming.

Subclass MONODELPHIA.

Hay, O. P. 1902 A, 571.
Abel, O. 1907 E, (249) ("placentalier").
1913 B, 710 (Placentalia).
1914 A, 48 ("placentalier").
1919 A, 721 (Placentalia).
Adloff, P. 1906 A, 114 ("placentalier").
1907 A, 532 ("placentalier").
1910 B, 277 ("placentalier").
1918 A, 129 ("plazentalier").
Ärnbäck-Christie-Linde, A. 1912 A, 621.
Ahrens, H. 1912 A, 508 ("plazentalier").
Anthony, R. 1913 A, 256 ("euthériens").
Arldt, T. 1907 D, 674 (Placentalia).
1907 E, 208 ("placentalier").
Beer, G. R. 1926 A, 327, 330 (Placentalia).
Behlen, H. 1906 A, 197 ("placentalier").
Bensley, B. A. 1901 B, 117 (Placentalia).
1903 A, 84 (Eutheria).
Bolk, L. 1916 A, 715.
Bonaparte, C. L. 1838 B, 107 (Placentalia).
Braus, H. 1906 A, 317 ("placentalier").
Broom, R. 1897 B, 252 (Eutheria).

Broom, R. 1897 D, 513 (Eutheria).
1899 A, 749 (Eutheria).
1903 I, 557 (Eutheria).
1909 D, 210 (Eutheria).
Carus, V. 1875 A, 63, 66.
Dependorff, T. 1898 A, 382 ("placentalier").
1907 C, 102 ("placentalier").
Duckworth, W. L. H. 1904 A, 23 (Eutheria).
Fraas, E. 1905 B, 382.
Gadow, H. 1912 A, 818 (Eutheria).
Gill, T. 1886 A, 46.
Gottlieb, H. 1914 A, 185.
Gregory, W. K. 1910 A, 231, 464.
1920 A, 236 (Placentalia).
1927 D, 231 ("placentals").
Gregory and Camp 1918 A ("placentals").
Haeckel, E. 1868 A, 441 (Placentalia).
1873 A, 512, 549 (Placentalia).
1893 A, xx, xxii ("placentalien").
Hatschek, B. 1889 B, 117 ("amnioten").
Hay, O. P. 1912 D, 579.
Hennig, E. 1922 A, 258 ("placentalier"); 260 (Eutheria).
Hill, J. P. 1897 A, 436 (Eutheria).
Hogben, L. T. 1919 A, 72 (Placentalia).
Howes, G. B. 1893 C, 591 (Placentalia).
1894 A, 87 (Placentalia).
1902 A, 524 (Placentalia).
Hubrecht, A. A. W. 1897 A, 27 (Placentalia).
1908 A, 157.
Huxley, T. H. 1863 E, 527.
1870 F, 538.
1880 E, 467 (Eutheria).
Kükenthal, W. 1913 A, 677.
Leche, W. 1900 A, 999 (Placentalia).
Lydekker, R. 1893 F, 174 (Placentalia).
1899 B, 922 (Placentalia).
Matthew, W. D. 1914 D, 491.
1915 K, 441 ("placental mammals").
Meunier, S. 1903 A, 776 ("monodelphes").
Osborn, H. F. 1897 I, 107 (Meseutheria, Ceneutheria).
1899 J, 415 (Placentalia).
Osborn, H. F. 1907 H, 613.
Owen, R. 1845 E, 120 ("placentaires").
1848 B, 199 ("placental mammals").
Parker, W. K. 1885 C, 116 (Eutheria).
1886 A, 121, 269 (Eutheria).
Parker and Haswell 1897 A, 449 (Eutheria).
Rabl, C, 1903 A, 175 ("Choriata").
Schlosser, M. 1898 D, 124 (Placentalia).
1900 C, 133 ("placentalier").
Scott, W. B. 1913 A, 58, 59, 145.
Simpson, G. G. 1927 F, 129 (Placentalia. This order?).
1928 C, 183 (Placentalia).
Sixta, V. 1899 A, 329 ("placentalier").
Smith, G. E. 1911 A, 293 (Eutheria).
1912 A, 425 (Eutheria).
Steinmann, G. 1907 A, 467 (Placentalia).
Stromer, E. 1908 A, 87.
1908 B, 170.
1912 A, 243.
Terra, P. 1911 A, 257.
Thacker, A. G. 1922 A, 606 (Placentalia).
Thomas, O. 1887 A, 310 ("placentals").
1888 A, 450 (Placentalia, Eutheria).
Thompson, A. H. 1906 A, 262 ("placental mammals").
Tims, H. W. M. 1902 A, 32 (Eutheria).
1911 A, 294 (Eutheria).
Tomes, C. S. 1900 A, 35 ("placentals").
Tornier, G. 1888 A, 235 ("placentalthier").
1894 A, 97 ("placentalier").
Underhill, B. M. 1910 A, 75 (Placentalia).
Weber, M. 1904 A, 362.
Weber and Abel 1928 A, 3, 5, 93.
Weber and Burlet 1927 A.
Wiedersheim, R. 1892 A, 61 (Placentalia).
Winge, H. 1906 A, 53 (Placentalia).
1923 A, 55, 116 (Placentalia).
Woodward, H. 1904 B, 154 (Eutheria).
Wortman, J. L. 1901 B, xi, 335.
Zittel and Schlosser 1911 A, 364 (Placentalia).
1923 A, 443 (Placentalia).

Order TÆNIODONTA Cope.

Hay, O. P. 1902 A, 572.
Abel, O. 1912 F, 509 (Ganodonta).
1913 B, 725 (Ganodonta).
1914 A, 100 (Ganodonta).
1919 A, 773.
1920 A, 426 (Ganodonta).
Ameghino, F. 1889 A, 1025.
1906 E, 230 (Ganodonta).
Anonymous 1897 A, 152 (Ganodonta).
Arldt, T. 1912 A, 686 (Ganodonta).
Beddard, F. E. 1902 A, 190 (Ganodonta).
Case, E. C. 1898 C, 828 (Ganodonta).
Clark and Sonntag 1896 A, 461 (Ganodonta).
Cope, E. D. 1880 U, 149 ("taeniodontes").
1885 BB, 72.
Delafontaine, M. 1875 A, 170 ("tillodontes").
Fischer, E. 1903 A, 721 ("tæniodonten").
Gregory, W. K. 1910 A, 99, 341, 465 (Ganodonta).
1920 A, 166, 241.
Hilzheimer, M. 1913 A, 569 (Ganodonta).
Koken, E. 1893 B, 486.
Lane, H. H. 1909 A, 25.
1910 A, 914.
Loomis, F. B. 1921 A, 190 (Ganodonta).
Lydekker, R. 1903 D, 125 ("tæniodonts").
Matthew, W. D. 1909 C, 92, 94, 97, 102.
1909 D, 301.
1915 A, 259, fig. 30.
1915 K, 470.
1918 H, 609, 620.
1921 D, 212, 214.
1928 B, 957, 965, 977.
Osborn, H. F. 1897 I, 107 (Ganodonta).
1899 J, 415 (Ganodonta).
1902 E, 356, fig. 1.
1907 G, 151.
1909 D, 136.
1910 B, 632.
1925 B, 18.
Palacký, J. 1902 A, 3 ("ganodonten").
Scharff, R. F. 1911 A, 244 (Ganodonta).
Schlosser, M. 1898 B, 360, 361, 366 (Tillodontia).
1899 U, 462.

Schlosser, M. 1905 B, 126 (Ganodonta).
Scott, W. B. 1905 B, 361 (Ganodonta).
1913 A, 267, 276, 286 (Tæniodontia); 625 (Ganodonta).
Seeley, H. G. 1886 A, 414.
Sinclair, W. J. 1905 D, 361 (Ganodonta).
Stromer, E. 1912 A, 175 (Ganodonta).
Terra, P. 1911 A, 264 (Ganodonta).
Thacker, A. G. 1922 A, 601, 603.
Trouessart, E. L. 1897 B, 87 (Ganodonta).
1905 A, 823 (Ganodonta).
Weber, M. 1904 A, 468, 510 (Ganodonta); 514 (Tæniodonta).
Weber and Abel 1928 A, 125, 236 (Ganodonta, Tæniodonta).
Zittel and Schlosser 1911 A, 413 (Ganodonta).
1923 A, 496 (Ganodonta); 665-667 (Tæniodontia).

CONORYCTIDÆ Wortman.

Hay, O. P. 1902 A, 572.
Anonymous 1897 A, 151.
Arldt, T. 1907 D, 620.
1912 A, 700.
Beddard, F. E. 1902 A, 193.
Lane, H. H. 1909 A, 25.
1910 A, 914.
Matthew, W. D. 1909 C, 92, 102.
1914 B, 387.
1921 D, 212.
Osborn, H. F. 1909 D, 34.
Schlosser, M. 1899 U, 463 ("conorycti").
Trouessart, E. L. 1897 B, 87.
1905 A, 823.
Weber, M. 1904 A, 468.
Weber and Abel 1928 A, 236.
Winge, H. 1917 A, 91 (Conoryctidæ); 92, 105, 108 (Conoryctini).
Zittel and Schlosser 1911 A, 414 (Conoryctinæ).
1923 A, 497 (Conoryctinæ).

CONORYCTES Cope. Type *C. comma* Cope.

Hay, O. P. 1902 A, 573.
Abel, O. 1913 B, 725.
1914 A, 101.
1919 A, 773.
Ameghino, F. 1906 E, 230.
Anonymous 1897 A, 151.
Beddard, F. E. 1902 A, 193.
Behlen, H. 1906 A, 193.
Haug, E. 1911 A, 1528.
Loomis, F. B. 1922 A, 62.
Matthew, W. D. 1909 C, 102.
1915 K, fig. 37.
1918 H, 609.
1924 E, 749.
1928 B, 957.
Osborn, H. F. 1907 G, 152, fig. 117.
1910 B, 109, 540.
Palmer, T. S. 1904 A, 199, 813.
Scharff, R. F. 1911 A, 244.
Schlosser, M. 1898 B, 362, 366.
Schlosser, M. 1899 U, 461.
Seeley, H. G. 1886 A, 415.
Weber, M. 1904 A, 468.
Weber and Abel 1928 A, 236.
Winge, H. 1917 A, 105, 181 (Conoryctes, Hexodon).
1923 A, 134, 196, 212.
Zittel and Schlosser 1911 A, 414.
1923 A, 497, 665.

Conoryctes comma Cope.

Hay, O. P. 1902 A, 573.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 41.
Trouessart, E. L. 1905 A, 823.
Zittel and Schlosser 1911 A, 414, fig. 575.
1923 A, 497, fig. 615.
Paleocene (Torrejon); New Mexico.

ONYCHODECTES Cope. Type *O. tisonensis* Cope.

Hay, O. P. 1902 A, 573.
Abel, O. 1913 B, 725.
1914 A, 101.
1919 A, 773.
Ameghino, F. 1906 A, 284.
1906 E, 230.
Anonymous 1897 A, 151.
Beddard, F. E. 1902 A, 193.
Gregory, W. K. 1920 A, 167, 241, fig. 112.
Haug, E. 1911 A, 1527.
Loomis, F. B. 1922 A, 62 (Onchodectes).
Matthew, W. D. 1909 C, 102.
1915 K, fig. 37.
1918 H, 610.
1924 E, 749.
1928 B, 957.
Matthew and Granger 1925 A, 7.
Osborn, H. F. 1907 G, 152, figs. 118, 119.
Palmer, T. S. 1904 A, 475, 813.
Scharff, R. F. 1911 A, 244.
Schlosser, M. 1898 B, 362, 366.
Schlosser, M. 1899 U, 462.
Weber, M. 1904 A, 468.
Weber and Abel 1928 A, 236.
Winge, H. 1917 A, 105, 108.
1923 A, 134, 212, 215, 216.
Zittel and Schlosser 1911 A, 414.
1923 A, 497.

Onychodectes rarus Osborn and Earle.

Hay, O. P. 1902 A, 573.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1898 B, 366.
Trouessart, E. L. 1905 A, 823.
Paleocene (Puerco); New Mexico.

Onychodectes tisonensis Cope.

Hay, O. P. 1902 A, 573.
Beddard, F. E. 1902 A, 193.

Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1898 B, 366.
Paleocene (Puerco); New Mexico.

STYLINODONTIDÆ Marsh.

Hay, O. P. 1902 A, 573.
Ameghino, F. 1889 A, 894 (Calamodontidæ).
Anonymous 1897 A, 151.
Arldt, T. 1907 A, 238 ("stylinodontiden").
1907 D, 683.
1912 A, 700.
Baird, S. F. 1876 A, 337.
Beddard, F. E. 1902 A, 191.
Delafontaine, M. 1875 A, 170 ("stylinodontes").
Gregory, W. K. 1922 A, 51, 61 (Stylodontidæ).
Lane, H. H. 1909 A, 25 (Styliodontidæ).
1910 A, 914.
Matthew, W. D. 1906 B, 361.
1909 C, 92, 94, 97, 102.
1914 B, 387.
1918 H, 610 ("stylinodonts").
1921 D, 212, 214.
Osborn, H. F. 1909 D, 34, 40.
Palacký, J. 1902 A, 3 ("calamadonten").
Palmer, T. S. 1904 A, 771, 821.
Schlosser, M. 1899 U, 463.
Trouessart, E. L. 1897 B, 87.
1905 A, 824.
Wallace, A. R. 1876 A, 1, 139.
Weber, M. 1904 A, 468.
Weber and Abel 1928 A, 125, 236.
Winge, H. 1917 A, 91, 104, 107, 181 (Stylinodontidæ); 92, 108 (Stylinodontini); 99, 100, 107 (Onychodectini).
1923 A, 123, 133, 134, 135, 136, 198, 212 (Stylinodontidæ, Stylinodontinæ, Conoryctini, Onychodectidæ, Onychodectini).
Zittel and Schlosser 1911 A, 414 (Stylinodontinæ).
1923 A, 497 (Stylinodontinæ).

WORTMANIA Hay. Type *Hemiganus otariidens* Cope.

Hay, O. P. 1902 A, 573.
Abel, O. 1913 B, 725 (Hemiganus).
1914 A, 101 (Hemiganus).
1919 A, 773.
Ameghino, F. 1906 A, 284 (Hemiganus).
1906 E, 230.
Anonymous 1897 A, 151 (Hemiganus).
Haug, E. 1911 A, 1527.
Matthew, W. D. 1909 C, 102.
1915 K, fig. 37.
1918 H, 609.
1924 E, 749.
1928 B, 957.
Osborn, H. F. 1907 G, 153, fig. 120 (Hemiganus).
1910 B, 540.
Palmer, T. S. 1904 A, 318, 821 (Hemiganus); 709, 821 (Wortmania).
Weber, M. 1904 A, 468 (Hemiganus).
Weber and Abel 1928 A, 236 (Hemiganus); 237 (Wortmania).
Winge, H. 1917 A, 106 (Hemiganus).
Zittel and Schlosser 1911 A, 414 (Hemiganus).
1923 A, 497 (Hemiganus).

Wortmania otariidens (Cope).

Hay, O. P. 1902 A, 573.
Beddard, F. E. 1902 A, 191 (Hemiganus).
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 38.
Weber, M. 1904 A, 408, fig. 358 (Hemiganus).
Weber and Abel 1928 A, 236, fig. 151 (Hemiganus).
Paleocene (Puerco); New Mexico.

PSITTACOTHERIUM Cope. Type *P. multifragum* Cope.

Hay, O. P. 1902 A, 574.
Abel, O. 1913 B, 725.
1914 A, 101.
1919 A, 773.
Ameghino, F. 1906 E, 230.
Anonymous 1897 A, 151.
Beddard, F. E. 1902 A, 191.
Granger, W. 1917 A.
Gregory, W. K. 1920 A, 166.
Haug, E. 1911 A, 1528.
Loomis, F. B. 1922 A, 62.
Matthew, W. D. 1909 C, 102.
1915 K, fig. 37.
1924 E, 749.
1928 B, 957.
Osborn, H. F. 1905 I, 97.
1907 G, 154, figs. 121-123.
1910 B, 109, 540.
Palmer, T. S. 1904 A, 594, 821.
Scharff, R. F. 1911 A, 244.
Schlosser, M. 1898 B, 361.
1899 U, 461, 466.
Seeley, H. G. 1886 A, 415.
Terra, P. 1911 A, 263.
Tims, H. W. M. 1901 A, 284.
Trouessart, E. L. 1897 B, 86.
1905 A, 824.
Weber and Abel 1928 A, 236, 238.
Winge, H. 1917 A, 106, 108.
1923 A, 135, 212.
Zittel and Schlosser 1911 A, 414.
1923 A, 497.

Psittacotherium multifragum Cope.

Hay, O. P. 1902 A, 574.
Abel, O. 1913 B, 726, fig. 31.
1914 A, 101, fig. 61.
1919 A, 774, fig. 579.
1920 A, 427, fig. 647.
Beddard, F. E. 1902 A, 191.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 41.

Schlosser, M. 1898 B, 367.
1899 U, 461.
Trouessart, E. L. 1905 A, 824.
Zittel and Schlosser 1911 A, 414, fig. 576.
1923 A, 498, fig. 616.
Paleocene (Torrejon); New Mexico.

Psittacotherium sp. indet.

Gidley, J. W. 1924 B, 47. Eocene (Wasatch); Colorado.
Lull, R. S. 1915 D, 326. Paleocene (Fort Union); Montana.
Reeside, J. B. 1924 A, 47. Eocene (Wasatch); Colorado.

CALAMODON Cope. Type *C. simplex* Cope.

Hay, O. P. 1902 A, 574.
Abel, O. 1913 B, 725, 726.
1914 A, 101.
Ameghino, F. 1885 A, 154.
1906 E, 230.
Anonymous 1897 A, 151.
Baird, S. F. 1876 A, 305.
Beddard, F. E. 1902 A, 193.
Depéret, C. 1905 C, 703.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 102.
1915 K, fig. 37.
1928 B, 977.
Osborn, H. F. 1898 V, 206.
1907 G, 155, figs. 124, 125.
1909 D, 40.
1910 B, 125, 132, 140, 540.
1912 G, 236, fig. 3.
Palacký, J. 1902 A, 3.
Schlosser, M. 1899 U, 462, 467.
Scott, W. B. 1913 A, 274.
Stehlin, H. G. 1916 B, 1435.
Steinmann, G. 1907 A, 478.
Terra, P. 1911 A, 263.
Tims, H. W. M. 1901 A, 284.
Trouessart, E. L. 1905 A, 824.
Wallace, A. R. 1876 A, I, 139.
Weber, M. 1904 A, 468.
Weber and Abel 1928 A, 236, 237.
Winge, H. 1917 A, 107.
1923 A, 136, 212.
Wortman, J. L. 1903 A, XV, 431.
Zittel and Schlosser 1911 A, 414.
1923 A, 497, 666.

Calamodon arcamœnus Cope.

Hay, O. P. 1902 A, 574.
Matthew, W. D. 1909 C, 94.
Merrill, G. P. 1907 A, 26.
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); New Mexico.

Calamodon novomehicanus Cope.

Hay, O. P. 1902 A, 575 (Ectoganus).
Matthew, W. D. 1909 C, 94.
Merrill, G. P. 1907 A, 27 (Calamodon); 35 (Ectagonus).
Reeside, J. B. 1924 A, 46.
Trouessart, E. L. 1905 A, 825 (Ectoganus).
Lower Eocene (Wasatch); New Mexico.

Calamodon simplex Cope.

Hay, O. P. 1902 A, 574.
Abel, O. 1914 A, 101, fig. 62.
Cope, E. D. 1891 N, 74.
Matthew, W. D. 1909 C, 94.
Merrill, G. P. 1907 A, 27.
Reeside, J. B. 1924 A, 46.
Schlosser, M. 1899 U, 463.
Stehlin, H. G. 1916 B, 1448.
Trouessart, E. L. 1905 A, 824.
Weber, M. 1904 A, 468, figs. 356, 357.
Weber and Abel 1928 A, 236, fig. 150.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Calamodon sp. indet.

Douglass, E. 1908 D, 22, pl. ii, figs. 14-16 (This genus?). Paleocene (Fort Union); Montana.
Merrill, G. P. 1907 A, 27. Eocene (Wasatch); New Mexico.

DRYPTODON Marsh. Type *D. crassus* Marsh.

Hay, O. P. 1902 A, 575.
Haug, E. 1911 A, 1528.
Hoernes, R. 1886 A, 664.
Matthew, W. D. 1909 C, 102.
Palmer, T. S. 1904 A, 246, 821.
Schlosser, M. 1899 U, 463.
Zittel and Schlosser 1911 A, 414 (Syn. of Calamodon).
1923 A, 497 (Syn. of Calamodon).

Dryptodon crassus Marsh.

Hay, O. P. 1902 A, 575.
Matthew, W. D. 1909 C, 94.
Trouessart, E. L. 1905 A, 825.
Lower Eocene (Wasatch?); New Mexico.

STYLINODON Marsh. Type *S. mirus* Marsh.

Hay, O. P. 1902 A, 574.
Abel, O. 1913 B, 726.
Ameghino, F. 1906 E, 230.
Anonymous 1897 A, 151.
Beddard, F. E. 1902 A, 193.
Gaudry, A. 1906 B, 124.
Gregory, W. K. 1922 A, 42 (Stylodon).
Haug, E. 1911 A, 1528.

Matthew, W. D. 1909 C, 102.
1915 K, fig. 37.
1922 A, XIII (Stylodon).
1928 B, 977.
Osborn, H. F. 1907 G, 156, fig. 126.
1909 D, 44-46, 52.
1910 B, 133, 155, 540.
Palmer, T. S. 1904 A, 650, 821.

Schlosser, M. 1899 U, 461, 466.
Scott, W. B. 1913 A, 274.
Terra, P. 1911 A, 263.
Trouessart, E. L. 1905 A, 824.
Weber, M. 1904 A, 468.
Winge, H. 1917 A, 107, 108.
Zittel and Schlosser 1911 A, 415 (Stylonodon).
1923 A, 498, 666, 667.

Stylinodon cylindrifer (Cope).

Hay, O. P. 1902 A, 575.
Beddard, F. E. 1902 A, 193.
Matthew, W. D. 1909 C, 94.
Trouessart, E. L. 1905 A, 824.
Lower Eocene (Wind River); Wyoming.

Stylinodon mirus Marsh.

Hay, O. P. 1902 A, 575.
Matthew, W. D. 1909 C, 97.
Schlosser, M. 1899 U, 461.
Trouessart, E. L. 1905 A, 824.
Middle Eocene (Bridger); Wyoming.

ECTOGANUS Cope. Type *E. gliriformis* Cope.

Hay, O. P. 1902 A, 575.
Ameghino, F. 1906 E, 230.
Cope, E. D. 1875 Y, 447.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 102.
Palmer, T. S. 1904 A, 251, 821.
Schlosser, M. 1899 U, 461, 463.

Ectoganus gliriformis Cope.

Hay, O. P. 1902 A, 575.
Matthew, W. D. 1909 C, 94.
Merrill, G. P. 1907 A, 35.
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); New Mexico.

Order XENARTHRA Cope.

Unless otherwise indicated the authors, as cited, use the name Edentata for this Order.

Cope, E. D. 1889 P, 657 (Xenarthra).
Hay, O. P. 1902 A, 571 (Bruta); 575 (Xenarthra).
Abel, O. 1901 A, 28 ("édentés").
1901 B, 315 ("edentaten").
1910 B, (186) (Xenarthra).
1912 F, 261, 294, 368, 562, 708 (Xenarthra).
1913 B, 725 (Xenarthra).
1914 A, 99 (Xenarthra).
1919 A, 772 (Xenarthra).
1920 A, 425 (Xenarthra).
1921 A, 188, 281, 299 (Xenarthra).
1922 C, 292 ("xenarthren").
1926 B, 237 (Xenarthra).
Agassiz, L. 1844 D, 137.
Allen, J. A. 1913 B, 454.
Ameghino, F. 1889 B, 280.
1902 A, 166 (Xenarthra).
1905 A, 47 ("édentados").
1906 D, 90 (Xenarthra).
1906 E, 175 ("édentés"); 241 (Xenarthra).
1907 A, 120 ("edentados").
1909 A, 1 ("edentados").
1911 A, 212, 221 ("edentaten").
Anonymous 1897 A, 150.
Anthony, R. 1912 A ("paresseux").
Arldt, T. 1907 A, 243.
1907 B, 455 ("edentaten").
1907 C, 677 ("edentaten").
1907 D, 652 (Edentata); 688 (Xenarthra).
1911 A, 212, 221 (Edentata); 221 ("xenarthren").
Ballowitz, E. 1892 A, 133 ("edentaten").
Bardeleben, K. 1885 B, 85 ("edentaten").
1889 B, 259 ("edentaten").
1904 A, 111 ("edentaten").
1906 A, 140 ("edentaten").
Bardenfleth, K. S. 1913 A, 69.
Bayer, F. 1897 A, 147 ("édentés").
Beddard, F. E. 1902 A, 161 (Edentata); 166 (Paratheria).
Bensley, B. A. 1902 A, 4.
Bertelli, D. 1909 A, 161 ("sdentati").
Beyer, H. 1908 A, 90 ("edentaten").
Black, N. 1900 A, 9.
Blatschke, F. 1904 A, 151 ("edentaten").
Bluntschli, H. 1912 B, 390 ("edentaten").
1913 A, 42 ("edentaten").
Boas, J. E. V. 1914 B, 577 ("edentaten").
Bonsdorff, E. J. 1871 A, 318.
Boule and Thevenin 1920 A, 204 (Xenarthra, "édentés").
Branca, W. 1908 B, 44.
Broom, R. 1897 B, 252.
1897 C, 279 ("edentates").
1902 D, 549.
1903 I, 549.
1915 A, 162.
Carus, V. 1875 A, 172 (Bruta).
Carus and Engelmann 1861 A, 1298 (Bruta).
Case, E. C. 1898 C, 826.
Chandler, A. C. 1914 B, 139 ("edentates").
Clark and Sonntag 1926 A, 453, 463 (Edentata); 468, 471 (Xenarthra).
Cleland, J. 1863 B, 302.
Cope, E. D. 1885 BB, 72.
1891 N, 67, 70, 90.
Cuvier, F. 1825 A, 191 ("édentés").
Cuvier, G. 1825 A, v, 1, 67-145 ("édentés").
Dana, J. D. 1863 A, 1 ("edentates").
Dependorf, T. 1907 C, 110 ("edentaten").
Dijkstra, O. H. 1923 A, 303.
Dollo, L. 1889 E, 187 ("édentés").
Doran, A. H. G. 1878 A, 470.
Eggeling, H. 1904 A, 87 ("edentaten").
Eimer, G. H. T. 1901 A, 60 ("edentaten"); 258 ("faultiere").
Elliot, D. G. 1901 A, 4.
Fischer, J. B. 1829 A, 386.
Flower, W. H. 1882 A, 358.
Frassetto, F. 1915 A, 79 ("sdentati").
Frey, H. 1911 A, 409.
Fuchs, H. 1910 A, 59 ("edentaten").
Fürbringer, M. 1904 A ("edentaten").
Gadow, H. 1896 A, 48.
1912 A, 821 ("edentates").
1913 A, 120 ("edentates").
Gaudry, A. 1906 B, 110 ("édentés").

Gaupp, E. 1911 B, 101 (Xenarthra).
1911 D, 621 ("edentaten"); 625 (Xenarthra).
1913 A, 63 (Xenarthra).
Gegenbaur, C. 1888 A, 396 ("edentaten").
Gervais, P. 1859 A, 254 ("édentés").
Gessner, I. 1921 A, 271 ("edentaten").
Giebel, C. T. 1855 A, 59.
1883 A ("edentaten").
Gill, T. 1886 A, 46.
1910 A, 56 (Xenarthra).
Goodsir, J. 1857 A.
Gottlieb, H. 1914 A, 187 (Xenarthra).
Gregory, W. K. 1910 A (Edentata); 339, 340 (Xenarthra).
1912 F, 294.
1920 A, 168, 240.
1921 A, 69.
Grevé, C. 1912 A, 77 ("edentaten").
Haeckel, E. 1868 A, 479 ("edentaten").
1873 A, 544.
Hasse and Schwarck 1870 A, 122.
Hay, O. P. 1912 B, 9 ("edentates").
1912 D, 554 (Edentata, Xenarthra).
1914 A, 103.
1924 D, 385.
1927 E, 77 ("edentates").
Heilprin, A. 1887 A, 336.
Hilzheimer, M. 1913 A, 569 (Xenarthra).
Hogben, L. T. 1919 A, 74 (Xenarthra).
Howes, G. B. 1891 A, 153.
1893 C, 591.
Huxley, T. H. 1863 D, 233.
1863 E, 555.
1868 C, 314.
1880 E, 462.
Ihde, — 1912 A, 265 ("edentaten").
Ihering, H. 1909 A, 301 (Bruta).
Jaekel, O. 1909 B, 611 (Paratheria).
1909 C, 706 ("edentaten").
1910 D, 113, 122 (Paratheria).
1911 A, 180 (Paratheria).
Kampfen, P. N. van 1905 A, 473 (Xenarthra).
Kingsley, J. S. 1925 A, 207 (Xenarthra); 207, 295 (Edentata).
Köstlin, O. 1844 A ("zahnlosen").
Koken, E. 1893 B, 486, 487 ("edentaten").
Kükenthal, W. 1913 A, 679 (Xenarthra).
Lane, H. H. 1909 A, 25 (Edentata, Xenarthra).
1910 A, 914 (Edentata, Xenarthra).
Lataste, F. 1887 A, 268 ("édentés").
Lavocat, A. 1885 A, 46 ("édentés").
Leche, W. 1887 A.
Leenhardt, L. E. E. 1906 A, 176 ("édentés").
Lehman-Nitsche 1900 A, 103 ("edentaten").
Lobley, J. L. 1908 A, 196.
Loomis, F. B. 1921 A, 190 (Xenarthra).
Lubosch, W. 1908 B.
1911 B, 742 ("edentaten").
1926 A, 109 ("edentaten").
Lull, R. S. 1917 B, 308, 338.
Lydekker, R. 1893 F, 172 ("edentates").
1902 B, 375 ("edentates").
Major, C. J. F. 1899 B, 62.
Martins, C. 1857 A, 81 ("édentés").
Matthew, W. D. 1904 D, 815.
1909 C, 97, 102, 114, 119, 120.
1909 D, 301.
1910 G, 158, 159.
Matthew, W. D. 1912 F, 301.
1915 A, 259, figs. 29, 30 (Xenarthra); 187, 259, fig. 29 (Edentata).
1915 K, 468.
1918 H, 610, 620 ("edentate").
1928 B, 948, 965, 977.
Matthew and Cook 1909 A, 383.
1909 B, 197, 366.
Mead, C. S. 1906 A, 480 (Xenarthra).
Meckel, J. F. 1809 A, tab. i (Edentula, Edentata).
1825 A ("zahnlosen").
Menegaux, A. 1909 A, 277, pls. iii-vi ("édentés").
Mitchell, P. C. 1905 A, 437 (Xenarthra).
Mysberg, W. A. 1917 A, 652 (Xenarthra).
Osborn, H. F. 1897 I, 107 ("edentates").
1899 J, 415.
1905 H, 207, fig. 2.
1905 I, 99.
1907 G, 13, 151.
1909 D, 59, 125.
1910 B, 78, 174, 289, 539, 540.
1917 B, 236, 237, 259.
1925 B, 18.
Owen, R. 1843 C, 353.
1845 E, 120 (Bruta).
1851 D, 350 (Bruta, Edentata).
1857 E (Bruta).
1858 A, 23 (Bruta).
Palacký, J. 1902 A, 1 (Edentata); 4 (Xenarthra).
Pander and Alton 1825 A, 2 ("zahnlosenthiere").
Parker and Haswell 1897 A, 449.
Paulli, S. 1900 B, 506, 537, figs. 20-25.
Perna, G. 1906 A, 123.
Pfeiffer, H. 1854 A, 14 ("faulthier").
Pictet, F. J. 1853 A, 260 ("édentés").
Poche, F. 1908 A, 567 (Bradypus).
1911 B (Bradypodidæ).
Puccioni, N. 1908 A, 41.
Rehs, J. 1914 A, 39 (Xenarthra); 2, 39 (Edentata).
Retzius, A. 1849 A, 650.
Reynolds, S. H. 1897 A, 351, 539.
Ridewood, W. G. 1901 A, 393.
Schapiro, B. 1913 A, 220.
Scharff, R. F. 1911 A, 152, 234, 358, 401.
Schlosser, M. 1898 D, 121 ("edentaten").
1899 I, 347 ("edentaten").
1899 U, 462, 466 (Xenarthra).
1904 A ("edentaten").
1911 A, 165.
Schmidt, O. 1886 A, 110.
Schulthess, B. 1920 A, 1-119 (Xenarthra).
Scott, W. B. 1896 C, 308.
1903 A, 900.
1905 A, 242.
1913 A.
1916 A, 117 ("edentates").
1928 B, 254.
Seeley, H. G. 1872 A, 275 ("edentates").
1878 A, 225 ("edentates").
Sefve, I. 1915 A, 77 (Xenarthra).
Serres, M. 1852 A, 145 ("édentés").
Simpson, G. G. 1927 H, 293 (Xenarthra).
Sinclair, W. J. 1905 D, 1, 361, 493.
1906 A, 65, figs. 1-3 ("edentate?").
Smith, G. E. 1903 B, 48.
1912 A, 425.

Stehlin, H. G. 1916 B, 1502 (Xenarthra).
Steinmann, G. 1907 A, 474.
1909 A, 67 ("edentaten").
1910 A, 102 ("edentaten").
Stromer, E. 1903 C, 63.
1908 B, 168.
1912 A, 172 (Xenarthra); 243 (Edentata).
Taschenberg, O. 1899 A, 4426.
Terra, P. 1911 A, 258 (Edentata); 260 (Xenarthra).
Thacker, A. G. 1922 A, 601, 603.
Thomas, O. 1888 A, 458.
Tims, H. W. M. 1914 A, 378 ("edentates").
Tornier, G. 1891 A, 185 ("xenarthren").
1894 B, 104 ("faulthiere").
Tredgold, A. F. 1897 A, 295.
Trouessart, E. L. 1897 B, 87 (Xenarthra).
1905 A, 788 (Edentata, Xenarthra).
Turner, H. N. 1847 A, 110.
Vallois, H. V. 1921 B, 975 ("édentés").
Van den Broeck, A. J. P. 1912 A, 784 (Xenarthra).
Vicq-d'Azyr, F. 1792 A, ciii (Edentati).
1819 A, 47 (Edentati).
Wagner, R. 1843 A, 12.
Wallace, A. R. 1876 A, II, 244.
Waterhouse, G. R. 1842 A, 344.
Watson, D. M. S. 1916 A, 361.
Weber, M. 1904 A, 412, 420, 430 (Xenarthra, Effodientia); 412 (Edentata).
Weber and Abel 1928 A, 171, 187, 215, 898 (Xenarthra).
Weber and Burlet 1927 A (Xenarthra).
Wegner, R. N. 1922 A, 418 (Xenarthra).
Winge, H. 1915 A, 219 (Edentata, Xenarthra).
1923 A, 282, 289, 329 (Xenarthra); 274, 328 (Edentata).
Woodward, A. S. 1898 B, 277.
1904 D, 155.
1923 C, 70.
Wortman, J. L. 1901 C, 211.
1920 A, 15.
Zaaijer, T. 1894 A, 339.
Ziegler, H. E. 1901 A, 232.
Zittel and Schlosser 1911 A, 410 (Edentata); 413 (Xenarthra).
1923 A, 493 (Edentata); 496 (Xenarthra).

Suborder TARDIGRADA Macartney.

Macartney, J. 1802, Lectures Comp. Anat., I, table 1 (Includes Bradypus, Megatherium).
Abel, O. 1909 A, 2, 15 (Anicanodonta).
1912 F, 377 (Anicanodonta).
1913 B, 726 (Anicanodonta).
1914 A, 100, 103 (Anicanodonta).
1920 A, 427 (Anicanodonta).
Ameghino, F. 1889 A, 653, 1006 (Anicanodonta).
1893 A, 397 (Anicanodonta).
1906 D, 90 (Anicanodonta).
1909 A, 15, 24 (Anicanodonta).
1909 B, 109.
Burmeister, H. 1856 C, 67-125, with pls. (Tardigrada, Gravigrada).
Flower, W. H. 1883 A, 178 (Pilosa).
Gill, T. 1872 B, 24.
Gregory, W. K. 1910 A, 465 (Anicanodonta).
Haeckel, E. 1868 A, 479.
Hay, O. P. 1927 E, 77 ("ground sloths").
Illiger, C. 1811 A, 108.
Kingsley, J. S. 1925 A, 259 (Bradypus).
Matthew, W. D. 1928 B, 977 ("sloths").
Osborn, H. F. 1910 B, 540 (Pilosa).
Scott, W. B. 1913 A, 186, 591, 610.
1928 B, 261 (Gravigrada).
Weber, M. 1904 A, 458 (Anicanodonta).
Weber and Abel 1928 A, 217, 224, 229 (Anicanodonta).
Winge, H. 1923 A, 282, 310, 326 (Bradypodidæ).
Zittel and Schlosser 1911 A, 413 (Anicanodonta).
1923 A, 496 (Anicanodonta); 497, 498 (Gravigrada).

Superfamily MEGATHERIOIDÆ, new form.

Unless otherwise indicated the authors, as quoted, use for this group the name Gravigrada.
Abel, O. 1912 F, 377, 675.
1914 A, 103.
1919 A, 775 (Gravigradidæ).
Ameghino, F. 1885 A, 111.
1893 A, 397.
1900 A, 199.
1906 D, 91.
1906 E, 231, 242.
1909 A, 15.
Arldt, T. 1907 A, 238, 243.
1907 B, 455 ("gravigraden").
1907 C, 677.
1907 D, 29, 144.
Beddard, F. E. 1902 A, 179.
Burmeister, H. 1868 B, 759 ("gravigraden").
1879 B, 279.
1881 A, 374 ("gravigraden").
1886 B, 1131 ("gravigraden").
1887 A, 861.
Carus, V. 1875 A, 178.
Case, E. C. 1898 C, 826.
Gray, J. E. 1821 A, 305 (Oligodontæ).
Hay, O. P. 1912 D, 555.
1914 A, 105.
Jaekel, O. 1909 C, 708.
1911 A, 225 (Gravigradi).
Matthew, W. D. 1912 F, 302 ("ground sloths").
1913 B, 291 ("ground sloths").
1915 A, 204 ("ground sloths").
1919 B, 176 ("ground sloths").
Miller, L. H. 1915 B, 75 ("ground sloths").
Osborn, H. F. 1906 C, 776.
1909 D, 126.
Owen, R. 1843 C, 359.
Pictet, F. J. 1853 A, 263 ("Gavigrades").
Scharff, R. F. 1911 A, 399.
Schulthess, B. 1920 A, 56, 71 ("gravigraden").
Scott, W. B. 1903 A, 901.
1905 A, 242.
1905 B, 494.
1913 A, 205, 598, 681.
1916 A, 116 ("ground sloths").
Sinclair, W. J. 1905 D, 161, 363, 495.

Terra, P. 1911 A, 262.
Weber and Abel 1928 A, 224, 229 (Gravigrada).
Winge, H. 1923 A, 329 (Gravigrada).
Zittel and Schlosser 1911 A, 415.

MEGATHERIIDÆ Flower, W. H.

Flower, W. H. 1882 A, 360.
Hay, O. P. 1902 A, 575.
Ameghino, F. 1889 A, 1018 (Megatheridæ).
1897 B, 260 (Megatheria).
1904 C, 131.
Arldt, T. 1907 A, 243 (Megatheridæ).
1907 D, 664 (Megatheridæ).
1912 A, 699 (Megatheridæ).
Beddard, F. E. 1902 A, 183.
Cope, E. D. 1880 U, 152.
1891 N, 70.
Dall and Harris 1892 A, 284.
Gill, T. 1886 A, 65.
Gray, J. E. 1821 A, 305 (Megatheriadæ).
Hay, O. P. 1923 A, 5, 312.
Hoernes, R. 1886 A, 663 (Megatheridæ).
Kraglievich, L. 1925 C, 244.
1926 B, 22.
Lane, H. H. 1909 A, 25.
1910 A, 914.
Osborn, H. F. 1910 B, 541.
Palmer, T. S. 1904 A, 819.
Reynolds, S. H. 1897 A, 546.
Scott, W. B. 1905 B, 495.
1913 A, 591, 598, 607.
Sinclair, W. J. 1905 D, 495.
Thomas, O. 1888 A, 458.
Trouessart, E. L. 1905 A, 795.
Weber and Abel 1928 A, 224, 229 (Gravigrada).
Winge, H. 1923 A, 282, 310 (Megatheriini).
Woodward, A. S. 1898 B, 278.
Zittel and Schlosser 1911 A, 415 (Megatheriinæ).
1923 A, 499 (Megatheriinæ).

MEGATHERIINÆ Gill.

Gill, T. 1872 B, 24.
Abel, O. 1913 B, 726.
1919 A, 778.
Ameghino and Kraglievich 1921 A, 141 (Megatheridæ).
Arldt, T. 1912 A, 744.
Gervais, P. 1855 A, 52 ("mégathéridés").
Giebel, C. G. 1883 A ("megatherien").
Stock, C. 1925 A, 49.
Trouessart, E. L. 1905 A, 795.
Weber and Abel 1928 A, 224, 229, 232.
Winge, H. 1915 A, 220, 244.
Zittel and Schlosser 1911 A, 415.
1923 A, 499.

MEGATHERIUM Cuvier. Type *M. americanum* Cuvier.

Hay, O. P. 1902 A, 576.
Abel, O. 1912 F, 261, 373, 684.
1914 A, 108.
1914 C, 352.
1921 A, 284.
1925 A, 13, fig. 10.
Ameghino, F. 1883 B, 92.
1885 A, 111, 204.
1889 A, 1018.
1904 C, 131.
1905 A, 55.
1907 A, 89, fig. 9.
1912 A, 60.
1912 B, 178.
Ameghino and Kraglievich 1921 A, 135, seq., 5 pls.
Arldt, T. 1907 D, 29.
Beddard, F. E. 1902 A, 183.
Boule, M. 1891 A, 38.
1902 A, 914, fig. 27.
1923 A, 399.
Boule and Thevenin 1920 A, 213.
Bronn, H. G. 1838 A, 1247, pl. xliv, fig. 4.
1848 A, 710.
1849 A, 713.
Bru, J. B. 1804 A, 387, pls. xxiv, xxv.
Buckland, F. T. 1838 A, 104.
Burmeister, H. 1881 A, 375.
1886 B, 1132.
1887 A, 862.
Cabrera, A. 1926 A, 388.
1928 A, 441, pls. i, ii, figs. 1-6.
Carus and Engelmann 1861 A, 1767.
Case, E. C. 1898 C, 826.
Clift, W. 1832 A, 234.
Cope, E. D. 1880 U, 158.
Cuvier, G. 1825 A, v, 1, 174-192, pl. xvi.
Dana, J. D. 1863 A, 2.
1863 C, 338 ("megathere").
Desmarest, A. G. 1822 A, 365.
Diener, C. 1912 A, 216.
Falconer, H. 1863 A, 62.
Fischer, J. B. 1829 A, 388.
Frech and Geinitz 1903 A, 34.
Frets, G. P. 1910 A, 564.
Gervais, P. 1855 A, 52.
1873 B, 22, seq.
Gervais and Ameghino 1880 A, 132.
Giebel, C. G. 1878 C, 854.
1855 A, 61.
1883 A, pl. xlv.
Grandidier, G. 1912 A, 401.
Gregory, W. K. 1915 D, 370, fig. 12.
Hay, O. P. 1910 D, 371, 372.
1912 B, 9.
1918 B, 12, 13, 14.
1919 A, 311.
1926 E, 388.
Heilprin, A. 1887 A, 338.
Hoernes, R. 1886 A, 663.
Holmes, F. S. 1870 A, 17, 31.
Humphreys, J. 1908 A, 8.
Hutchinson, H. N. 1910 A, 283, pls. l, li.
Huxley, T. H. 1865 B, 42.
Knipe, H. R. 1912 A, 185, fig.
Kraglievich, L. 1925 B, 226.
1925 C, 244.
1926 B, 16, fig. 1.
1926 D, 173.
Lankester, E. R. 1905 A, 7, 172, figs. 3, 121.

Leche, W. 1887 A.
Leunis and Ludwig 1883 A, 288.
Lobley, J. L. 1908 A, 213, 214, 217.
Lönnberg, E. 1910 A, 58.
Lund, P. W. 1838 A, 12.
Lydekker, R. 1894 B, 30.
Mantell, G. A. 1850 A, 165, pl. lxxiii, fig. 1.
Matthew, W. D. 1910 G, 159.
1911 B, 113.
1915 A, 262.
1915 K, fig. 37.
1924 E, 748.
Meckel, J. F. 1825 A.
Mitchill, S. 1832 A, 905.
Mivart, St. G. 1879 B, 511.
Murchison, R. I. 1843 A, 133.
1843 B, 147.
Osborn, H. F. 1906 C, 851.
1910 B, 466, 472, 541.
Owen, R. 1839 F, 157.
1843 C, 359.
1845 B, 338, pls. lxxxiii, lxxxiv.
1851 D, 350.
1860 E, 390, figs.
1866 B, 307, figs. 191, 274, 279.
1868 A, 892.
1879 C, 581.
Palacký, J. 1902 A, 2.
Palmer, T. S. 1904 A, 406, 819.
Pander and Alton 1821 A, pls. i-v (Bradypus).
Parish, W. 1832 A, 233.
Perkins, H. C. 1871 A, 763.
Perrier, E. 1920 A, 365.
Philippi, R. A. 1893 A, 90, figs. 5-7.
Pictet, F. J. 1853 A, 264, pl. vii, figs. 1-4.
Reinhardt, J. 1878 A.
Reynolds, S. H. 1897 A, 546.
Roth, S. 1908 A, 132, 138.
1911 A, 191.
Scharff, R. F. 1911 A, 352.
Schlosser, M. 1899 U, 462, 467.
Schmidt, O. 1886 A, 114, fig. 8.
Schuchert, C. 1915 A, 958, fig. 514.
Schulthess, B. 1920 A, 74, 80, 99, 104, pl. v; text-figs. 10, 40.
Scott, W. B. 1905 B, 495.
1913 A, 685.
1916 A, 119.
Sellards, E. H. 1914 A, 162.
Serres, M. 1852 A, 119.
1852 B, 183.
Sinclair, W. J. 1905 D, 495.
Southall, J. C. 1875 A, 326.
Steinmann, G. 1909 A, 76, fig. 12.
Stock, C. 1917 C, 275.
1925 A, *passim*.
Tomes, C. S. 1878 A, 35.
Trouessart, E. L. 1905 A, 796.
Troxell, E. L. 1925 D, 613.
Vertuch, C. 1803 A, 530, pl. xii.
Wallace, A. R. 1876 A, I, 130, 145, 147; II, 245.
Ward, H. A. 1866 A, 11, figs.
Weber, M. 1904 A, 461.
Weber and Burlet 1927 A, 140, fig. 105.
Wilder, B. 1872 B, 321.
Winge, H. 1923 A, 314, 317, 326.
Woodward, A. S. 1899 D, 354.
1900 G, 67.
1923 C, 70, fig. 67.
Wright, G. F. 1911 B, 436.
Zittel and Schlosser 1911 A, 415.
1923 A, 499, 679, 681, fig. 617.

Megatherium mirabile Leidy.

Hay, O. P. 1902 A, 576 (M. americanum, M. mirabile).
Allen, G. M. 1926 A, 449.
Anonymous 1916 B, 480 ("megatherium").
Cuvier, G. 1825 A, v, 2, 519 ("Megatherium").
Falconer, H. 1863 A, 61.
Foster, J. W. 1869 A, 238 ("megatherium").
1873 A, 71 ("megatherium").
Freudenberg, W. 1921 A, 140 (M. americanum. This species?).
1922 A, 4 (M. americanum. This species?).
Gervais, P. 1859 A, 365.
Gidley, J. W. 1911 A, 436 (M. americanum?).
Godman, J. D. 1860 A, II, 36-46 (M. cuvieri).
Haug, E. 1911 A, 1886 ("Megatherium").
Hay, O. P. 1918 A, 371 ("Megatherium").
1919 D, 364.
1923 A, 121, 490.
1924 B, 260, 262 ("Megatherium").
1924 D, 380.
1926 C, 1, 2.
1927 D, 286.
1928 B, 238 ("Megatherium").
1928 C, 426.
Holmes, F. S. 1859 A, 184 ("megatherium").
1860 A, IV, VI, VII ("megatherium").
Kampfen, P. N. 1905 A, 479.
Leidy, J. 1859 J, 181 ("megatherium").
1892 A, 129 (Megatherium sp.).
Lyell, C. 1845 B, I, 164 ("Megatherium").
1847 C, lxxxi ("megatherium").
1855 A, I, 347 ("Megatherium"); II, 576 ("Megatherium").
Matson and Clapp 1909 A, 136 (Megatherium sp. This species?).
Matthew, W. D. 1917 E, 212 ("Megatherium." This species?).
Merrill, G. P. 1907 A, 46.
Murchison, R. I. 1843 B, 132 ("megatherium").
Osborn, H. F. 1910 B, 455 ("Megatherium").
Palacký, J. 1902 A, 2.
Rogers, H. D. 1844 A, 258 ("megatherium").
Schmidt, E. 1872 A, 250 ("megatherium").
Scott, W. B. 1913 A, 220, 599, fig. 122 (M. americanum).
Stock, C. 1917 A, 142 (M. americanum).
Veatch, A. C. 1906 A, 51 ("Megatherium").
Pleistocene (Early); Georgia, South Carolina, Florida, Texas, New Jersey.

Megatherium sp. indet.

Cahn, A. R. 1922 A, 23.
Hay, O. P. 1923 A, 121. Pleistocene; Florida.
Leidy, J. 1886 D, 275 (Nicaragua).
Merriam, J. C. 1917 A, 439. Pliocene (Alachua or Bone Valley); Florida.
Spencer, J. W. 1895 A, 136.

NOTHROTHERIINÆ.

Kraglievich, L. 1925 B, 215, 228 (Nothrotherinæ).

Kraglievich, L. 1925 D, 177 (Nothrotherinæ).

PRONOTHROTHERIUM Ameghino. Type *P. typicum* Ameghino.

Ameghino, F. 1907 A, 117.
Frick, C. 1921 A, 349.
Kraglievich, L. 1925 D, 179-183.
Rovereto, C. 1914 A, 234.
Stock, C. 1925 A, 21, 43, fig. 10.

Pronothrotherium sp. indet.

Stock, C. 1925 A, 21. (This genus?). Lower Pliocene (Eden); California.

NOTHROTHERIUM Lydekker. Type *Cœlodon maquinense* Lund.

Lydekker, R. 1889, in Nicholson and Lydekker 1889 A, 1299.
Abel, O. 1910 B, (186) (Nototherium).
Ameghino, F. 1886 B, 463 (Cœlodon).
1889 A, 1009 (Cœlodon).
1891 E, 250 (Cœlodon).
1904 B, 30.
1907 A, 74, figs. 5-8.
Beddard, F. E. 1902 A, 184.
Bronn, H. G. 1849 A, 713 (Cœlodon).
Burmeister, H. 1879 B, 325, 387 (Cœlodon).
1881 A, 380 (Cœlodon).
1885 A, 567, pl. v (Cœlodon).
1886 A, 357 (Cœlodon).
1886 B, 1127, fig. 1 (Cœlodon).
1887 A, 857, figs. 1, 2 (Cœlodon).
Gervais, P. 1873 B, 23 (Cœlodon).
Gervais and Ameghino 1880 A, 140 (Cœlodon).
Hay, O. P. 1916 D, 121.
1916 F, 24.
1918 B, 12, 13.
1919 A, 311.
Heilprin, A. 1887 A, 339 (Cœlodon).
Kampfen, P. N. 1905 A, 482, figs. 40, 41.
Kraglievich, L. 1925 B, 231.
1925 D, 177.
1926 D, 169, figs. 1-8.
Lund, P. W. 1838 A, 7 (Cœlodon).
1839 B, 220 (Cœlodon).
1841 A, 72, 85, 230 (Cœlodon).
1842 A, 171 (Cœlodon); 197 (Megalonyx).
Lydekker, R. 1887 A, 113 (Cœlodon).
1894 A, 93.
1896 B, 107.
1914 A, 637.
Matthew, W. D. 1915 A, 262.
1918 H, 647.
Osborn, H. F. 1909 D, 88 (Nototherium).
1925 D, 532.
Owen, R. 1842 D, 13, 170 (Cœlodon).
1843 C, 361 (Cœlodon).
Palmer, T. S. 1904 A, 462, 819.
Pictet, F. J. 1853 A, 272 (Cœlodon).
Reinhardt, J. 1878 A, 259, pls. i-v (Cœlodon).
Schulthess, B. 1920 A, 48, 57, 78, 98, 102, 105; text-figs. 15, 16, 44.
Scott, W. B. 1905 B, 496.
1913 A, 392.
Sinclair, W. J. 1905 D, 496.
Stock, C. 1913 A, 341.
1917 A.
1917 C, 275.
1917 E, 233.
1925 A, *passim*.
Trouessart, E. L. 1905 A, 802.
Weber, M. 1904 A, 433, 461, 463 (Cœlodon, Nothrotherium).
Weber and Abel 1928 A, 231, 232.
Winge, H. 1915 A, 136, 287, pls. xxiv, xxv (Cœlodus).
Woodward, A. S. 1902 A, 310 (Cœlodon).
Zittel, K. A. 1893 B, 133.
Zittel and Schlosser 1911 A, 416.
1923 A, 499, 681.

Nothrotherium mexicanum Freudenberg.

Freudenberg, W. 1921 A, 140, pl. ii, fig. 3.
Stock, C. 1925 A, 9.
Pleistocene (Early); Mexico.

Nothrotherium shastense Sinclair.

Sinclair, W. J. 1905 B, 153, pl. xxiii, figs. 1-5*a*, 8.
Abel, O. 1926 B, 237.
Freudenberg, W. 1921 A, 140 (N. chastense).
Hay, O. P. 1916 D, 116 (N. graciliceps).
1927 D, 310 (N. shastense); 7 (N. graciliceps).
Kraglievich, L. 1925 B, 229, 232, 235, pl. vii, fig. 7.
1925 D, 183.
1926 D, 176, 179, 186.
Merriam and Stock 1925 A, 10, 11.
Osborn, H. F. 1925 D, 528, 531, 534, fig.
Schulthess, B. 1920 A, 57 (N. shastense, N. graciliceps).
Stock, C. 1917 A, 139, 157, figs. 1-8 (N. graciliceps a syn.).
1918 A, 492.
1925 A, 30, 40, 113, pls. i, ii; iv-xvi, text-figs. 4-26, 31-43, 53, 54.
Swarth, H. S. 1915 A, 23 (N. graciliceps).
Wyman, L. E. 1922 A, 25, fig. 16.
1927 A, 86 ("Nothrotherium").
Pleistocene (Potter Creek, Samwel, and Hawver caves; La Brea); California.

Nothrotherium shastense hawveri Stock.

Stock, C. 1918 A, 492, figs. 11-32.
Hay, O. P. 1927 D, 4, 223.
Kraglievich, L. 1925 B, 232.
1925 C, 251.
Stock, C. 1925 A, 98.
Pleistocene (Hawver Cave); California.

Nothrotherium texanum Hay.

Hay, O. P. 1916 D, 116, pls. vi, vii.
1915 C, 878 (Nothrotherium).

Hay, O. P. 1917 B, 14.
1924 D, 1, 234, 238.
1926 G, 131 ("Nothrotherium").
Kraglievich, L. 1925 D, 193.
1926 D, 176.
Lull, R. S. 1928 A, 23 (N. shastense?).
Stock, C. 1917 A, 138, 160.
1925 A, 8 ("Nothrotherium").
Turner, H. W. 1906 A, 275 ("ground-sloth." This species?).
Pleistocene (Early); Texas.

Nothrotherium sp. indet.

Frick, C. 1921 A, 349, figs. 56-57 ("Nothrotherium? or Pronothrotherium"). Pliocene (Eden); California.
Furlong, E. L. 1925 A, 144, 152. Pleistocene; Monterey, Nuevo Leon; Mexico.
Gidley, J. W. 1928 B, 14. Pleistocene; Oklahoma.
Hay, O. P. 1924 D, 2, 134, 249. Pleistocene; Texas.
1926 G, 127.
1927 D, 172, 214. Pleistocene; California.
Stock, C. 1913 A, 350, figs. 9-11 (This genus?). Pleistocene (San Pedro); California.
1925 A, 21 (This genus?); Lower Pliocene (Eden): Pleistocene (Cave); California.

MEGALONYCHINÆ Osborn.

Osborn, H. F. 1910 B, 541.
Unless otherwise indicated the authors, as quoted, use the family name Megalonychidæ.
Hay, O. P. 1902 A, 575 (Megatheriidæ, in part).
1913 B, 726 (Megalonychinæ).
Abel, O. 1914 A, 103 ("megalonychiden").
1919 A, 775 (Megalonichinæ).
Ameghino, F. 1889 A, 1018 (Megalonycidæ).
1893 A, 404.
1905 A, 57.
1907 A, 93.
1912 A, 55.
Arldt, T. 1907 D, 664.
1912 A, 698, 699, 744 (Megalonychinæ).
Beddard, F. E. 1902 A, 183.
Gervais, P. 1855 A, 44 ("mégalonycidés").
Hay, O. P. 1912 D, 556.
1914 A, 106.
Kraglievich, L. 1921 A, 21 (Megalonychidæ).
1926 B, 22 (Megalonychidæ).
Lane, H. H. 1909 A, 25.
1910 A, 914.
Matthew, W. D. 1909 C, 114, 119, 120.
1913 B, 291.
Palacký, J. 1902 A, 1 ("megalonychiden").
Scharff, R. F. 1922 A, 66 (Megalonichidæ).
Scott, W. B. 1905 B, 495.
1913 A, 592, 604, 609.
Sinclair, W. J. 1905 D, 178, 363, 495.
Stock, C. 1925 A, 6, 13, 14, 39, 110.
Trouessart, E. L. 1905 A, 790 (Megalonichidæ); 793 (Megalonychinæ).
Weber and Abel 1928 A, 224, 230.
Wegner, R. N. 1922 A, 457 (Megalonychinæ).
Zittel and Schlosser 1911 A, 416.
1923 A, 499.

SINCLAIRIA Ameghino. Type *S. oregoniana* Ameghino.

Ameghino, F. 1912 A, 55.
Matthew, W. D. 1924 C, 149.

Sinclairia oregoniana Ameghino.

Ameghino, F. 1912 A, 55.
Matthew, W. D. 1924 C, 149 ("megalonychid").
Rovereto, C. 1914 A, 21.
Sinclair, W. J. 1906 A, 65, text-figs. 1-3 ("edentate-like remains").
1915 A, 83, fig. 7 ("megalonychid").
Stock, C. 1925 A, 15.
Middle Miocene (Mascall) or Pliocene (Rattlesnake); Oregon.

MEGALONYX Jefferson. Type *M. jeffersonii* Desmarest.

Hay, O. P. 1902 A, 577.
Abel, O. 1912 F, 263.
1914 A, 104.
1919 A, 776, fig. 777.
1921 A, 284.
1926 B, 450.
Ameghino, F. 1885 A, 111.
1906 E, 233.
1912 B, 178.
Arldt, T. 1907 D, 118.
Baker, F. C. 1920 A, 464.
Beddard, F. E. 1902 A, 183.
Boule, M. 1891 A, 40.
1923 A, 399.
Bronn, H. G. 1849 A, 713.
Burmeister, H. 1881 A, 380.
1886 B, 1132.
1887 A, 861.
Carus and Engelmann 1861 A, 1767.
Case, E. C. 1898 C, 826.
Cope, E. D. 1880 U, 158.
1895 G, 596, 597.
Cuvier, G. 1825 A, v, 1, 159-173.
Depéret, C. 1892 A, 78.
1907 B.
Diener, C. 1912 A, 216.
Eastman, C. R. 1904 A, 890.
Falconer, H. 1863 A, 62.
Frech and Geinitz 1903 A, 34.
Furlong, E. L. 1907 A, 393.
Gervais, P. 1873 B, 32, seq.
Gidley, J. W. 1913, in Matson and Sanford 1913 A, 143.
Giebel, C. G. 1855 A, 60.
1855 C, 337.
1878 C, 854.
1883 A, 150.
Haug, E. 1911 A, 1706, 1886.
Hay, O. P. 1910 D, 371.
1912 B, 9.

Hay, O. P. 1912 D, 556.
1914 A, 106, text-fig. 3.
1916 E, 54.
1918 B, 10, seq.
1919 A, 311.
1919 D, 363, 375.
1923 A, 490.
1925 D, 242.
Heilprin, A. 1887 A, 339.
Hoernes, R. 1886 A, 663.
Holland, W. J. 1912 B, 749.
Hovey, H. C. 1891 A, 161.
1900 B, 20839.
Kraglievich, L. 1925 D, 177.
1926 B, 30.
1926 D, 175.
Lobley, J. L. 1908 A, 214.
Lull, R. S. 1917 B, 370.
Lund, P. W. 1838 A, 12.
1839 C, 20.
Lydekker, R. 1914 A, 637.
Lyell, C. 1845 B, II, 65 ("megalonyx").
Mantell, G. A. 1839 A, 154.
Matthew, W. D. 1913 B, 291.
1915 A, 262.
1918 I, 661.
1919 B, 164, 172.
1924 C, 70.
1924 E, 748.
Merriam, J. C. 1919 A, 531.
Miller, L. H. 1912 A, 74.
1915 B, 71.
Osborn, H. F. 1905 I, 108.
1909 D, 129.
1910 A, 214.
1910 B, 622.
1912 G, 251.
1918 A, 30.
1925 D, 532.
Owen, R. 1843 C, 359.
1851 D, 351 (Megalonix).
1866 B, 411.
Palmer, T. S. 1904 A, 405, 818.
Perkins, H. C. 1871 A, 763.
Perrier, E. 1920 A, 365.
Rafinesque, C. S. 1832 B, 111 (Aulaxodon, Megalonyx).
Rautenberg, M. 1906 A, 41, 48.
Reinhardt, J. 1878 A.
Scharff, R. F. 1911 A, 61, 152, 156, 235, 243, 358, 402.
Schlosser, M. 1899 O, 150.
1899 U, 462, 466.
Schulthess, B. 1920 A, 80, 98, 103.
Scott, W. B. 1905 B, 495.
1913 A, 206, 219, 221, 597, 604.
Serres, M. 1852 A, 119.
Shimek, B. 1910 A, 128 ("megalonyx").
Shumard, B. F. 1863 A, 141.
Sinclair, W. J. 1905 D, 495.
1910 A, 191.
Spencer, J. W. 1898 A, 27.
Steinmann, G. 1909 A, 79.
Stock, C. 1913 A, 341.
1917 A.
1917 C, 275.
1925 A.
Stremme, H. 1911 A, 89.
Stromer, E. 1903 C, 63.
Todd, J. E. 1889 A, 203 (Megalonyx sp. indet.).
Trouessart, E. L. 1905 A, 794.
Upham, W. 1902 A, 149 ("megalonyx").
1903 C, 22679 ("megalonyx").
Wallace, A. R. 1876 A, I, 130, 145, 147.
Weber, M. 1904 A, 451, 461, 462.
Weber and Abel 1928 A, 231.
Weber and Burlet 1927 A, 123, fig. 94.
Winchell, N. H. 1917 A, 133.
Winge, H. 1915 A, 258.
Wright, G. F. 1909 A, 512 ("megalonyx").
1911 B, 436.
Zittel and Schlosser 1911 A, 416.
1923 A, 499, 680, 681, 682.

Megalonyx curvidens Matthew.

Matthew, W. D. 1924 C, 66, 149, fig. 40.
Lower Pliocene (Upper Snake Creek); Nebraska.

Megalonyx dissimilis Leidy.

Hay, O. P. 1902 A, 577.
Cope, E. D. 1899 A, 211 (=M. jeffersonii).
Foster, J. W. 1869 A, 253.
Hay, O. P. 1923 A, 490.
1928 C, 428.
Hrdlička, A. 1907 A, 18.
Peterson, O. A. 1917 A, 472, figs. 4, 5 (This species?).
Shimek, B. 1902 A, 285.
Stock, C. 1925 A, 33.
Trouessart, E. L. 1905 A, 794.
Wilson, T. 1892 A, 629.
1901 A, 322.
Pleistocene; Mississippi, Virginia.

Megalonyx jeffersonii (Desmarest).

Hay, O. P. 1902 A, 577.
Abel, O. 1913 B, 726, fig. 32 (M. jeffersoni).
1914 A, 104, figs. 66, 67.
1919 A, 777, fig. 582.
1920 A, 428, fig. 649.
1926 B, 81, 237 (M. jeffersoni).
Allen, G. M. 1913 A, 327.
Ameghino, F. 1889 A, 1018 (M. jeffersoni).
1909 A, 16, fig. 5 (M. jeffersoni).
Bain, H. F. 1896 A, 277 ("Megalonyx").
Baker, F. C. 1920 A, 371 (Megatherium); 464 (Megalonyx).
Balch, E. S. 1917 A, 481 ("Megalonyx").
Barton, B. S. 1805 B, 152 ("Megalonyx").
1805 D, 165 ("Megalonyx").
Calvin, S. 1909 B, 353, 355 ("Megalonyx").
1910 A, xii ("sloth").
1911 A, 215, pl. xxiii.
Clinton, D. W. 1815 A, 58 ("Megalonyx"; "claw of grizzly bear?").
Cook, H. J. 1927 A, 117 ("Megalonyx").
1927 C, 247.
Cooper, Smith and Dekay 1831 A, 371 ("Megalonyx").
Cuvier, G. 1825 A, v, 1, 159, pl. xv ("Megalonyx").
Deeley, R. M. 1913 A, 14, tab. ("Megalonyx." This species?).
Desmarest, A. G. 1822 A, 366 (Megatherium).

Dickeson, M. W. 1845 A, 78 ("nondescript quadruped").
Figgins, J. D. 1928 A, 82 ("ground sloth").
Fischer, J. B. 1829 A, 389 (Megatherium).
Foster, J. W. 1869 A, 235, 253 ("megalonyx").
1873 A, 59 ("megalonyx").
Frech and Geinitz 1903 A, 34, 36 (M. jeffersoni).
Frick, C. 1921 A, 320.
Gervais, P. 1859 A, 365.
Gidley, J. W. 1927 E, 274 (This species?).
Gidley and Loomis 1926 A, 260 ("Megalonyx").
Giebel, C. G. 1855 C, 337 (M. jeffersoni).
Godman, J. D. 1860 A, II, 46, figs. (Megatherium).
Greene, G. K. 1881 A, 60.
Haug, E. 1911 A, 1886.
Hay, O. P. 1912 B, 9.
1912 D, 556, text-figs. 2-15, 17-20.
1914 A, 38, 107, pl. iii, figs. 2-7; pl. iv, fig. 3; pl. v; text-figs. 1-29.
1915 A, 516.
1918 B, 18.
1919 D, 361.
1920 B, 110.
1921 A, 609 (This species?).
1923 A, 490.
1924 D, 380.
1926 G, 129 ("sloth").
1927 C, 281 ("megalonyx").
1927 D, 302, 309.
1928 B, 238 ("megalonyx").
1928 C, 425, 428, 429.
Hildreth, S. P. 1837 A, 93 ("Megalonyx").
Hilgard, E. W. 1860 A, 196 ("Megalonyx").
Holland, W. J. 1908 A, 230 ("Megalonyx." This species?).
Hovey, H. C. 1891 A, 161.
1900 B, 20839.
Hrdlička, A. 1907 A, 17, 18.
1918 A, 27.
Joor, J. F. 1895 A, 398 ("Megalonyx." This genus and species?).
Kampfen, P. N. 1905 A, 480.
Kraglievich, L. 1925 B, 233, 235 (M. jeffersoni).
1925 D, 180, 189 (M. jeffersoni).
1926 B, 30, 32 (M. jeffersoni).
1926 D, 178, 185, 186 (M. jeffersoni).
Leidy, J. 1859 J, 181 ("Megalonyx").
1868 K, 179.
1921 A, 198 ("Megalonyx").
Leighton, M. M. 1921 A, 513.
Leverett, F. 1902 A, 403 ("Megalonyx").
Loomis, F. B. 1924 C, 506 (M. jeffersoni).
Lund, P. W. 1838 A, 12.
1839 B, 231.
1839 C, 20.
McCornack, E. C. 1914 A, 15.
Manigault, G. E. 1886 A, 92 ("Megalonyx").
Mantell, G. A. 1850 A, 163, pl. lxxii, figs. 10, 11.
Matson and Clapp 1909 A, 136 (Magalonyx; misprint).
Mercer, H. C. 1894 C, ("fossil sloth").
1896 A, figures ("Megalonyx").
Merriam, J. C. 1912 C, 221.
Merriam and Stock 1925 A, 10 (This species?).
Miller, L. H. 1912 A, 71 (This species?).
Osborn, H. F. 1910 B, 465, 478, fig. 203.
Owen, R. 1856 A, 23.
Rautenberg, M. 1906 A, 39.
Reinhardt, J. 1878 A, 269.
Ruschenberger and Tryon 1879 A, 88 (M. laqueatus).
Schmidt, E. 1872 A, 245 (M. jeffersoni).
Schulthess, B. 1920 A, 78, 103, 104, text-fig. 17.
Scott, W. B. 1913 A, 195, fig. 113.
1924 A, 437 ("ground-sloth").
Sellards, E. H. 1915 B, 143 ("Megalonyx." This species?).
1916 C, 132, 148, 158, pl. xxv, fig. 2; pl. xxx, fig. 6.
1916 D, 617.
1916 E, 16.
1916 F, 7, 9, fig. 6.
Shimek, B. 1902 A, 285.
1904 A, 305 ("Megalonyx").
1910 B, 316, 327 ("Megalonyx").
Sinclair, W. J. 1904 A, 18 (M. jeffersonii?).
1905 B, 156, 161 (M. jeffersonii?).
Spencer, J. W. 1895 A, 137.
Stock, C. 1913 A, 345.
1917 A, 143 (M. jeffersoni).
1925 A, *passim*.
Trouessart, E. L. 1905 A, 794.
Usher, W. 1854 A, 344, 349 ("Megalonyx").
Veatch, A. C. 1906 A, 51 ("Megalonyx").
Ward, H. A. 1866 A, 15, figs.
Weber, M. 1904 A, 97, fig. 76.
Whitney, J. D. 1862 A, 135 ("Megalonyx").
1866 A, 162 ("Megalonyx").
Wilson, T. 1892 A, 629.
1901 A, 322 (M. jeffersoni).
Winge, H. 1915 A, 274.
Worthen, A. H. 1890 A, 8 ("Megalonyx").
Wyman, J. 1850 D, 280 ("Megalonyx").
Zittel and Schlosser 1911 A, 416, fig. 579.
1923 A, 500, fig. 618.

Pleistocene; Ohio, Indiana, Illinois, Kentucky, Missouri, Iowa, Minnesota?, Virginia, West Virginia, South Carolina, Florida, Texas. In some other states with doubt.

Megalonyx jeffersonii californicus Stock.

Stock, C. 1913 A, 352, figs. 12-18 (M. californicus).
Hay, O. P. 1927 D, 183, 185, 190.
Kraglievich, L. 1925 B, 233 (M. californicus).
1926 B, 32 (M. californicus).
Merriam and Stock 1925 A, 11 (M. j. californicus).
Osborn, H. F. 1925 D, 531, 532, 534.
Schulthess, B. 1920 A, 79, 104 (M. californicus).
Stock, C. 1925 A, 30, 101, pls. xvii, xx; text-figs. 45-50 (M. j. californicus).
Swarth, H. S. 1915 A, 23 (M. californicus).
Wyman, L. E. 1922 A, 25 (M. californicus).

Pleistocene (La Brea); California.

Megalonyx leidyi Lindahl.

Hay, O. P. 1902 A, 578.
Baker, F. C. 1920 A, 464.
Cragin, F. W. 1896 A, 53.
Deere, E. O. 1908 A, 117.
Haug, E. 1911 A, 1886.
Haworth and Beede 1897 A, 290 (M. leydeyi).

Hay, O. P. 1914 A, 26.
1924 D, 380.
Matthew, W. D. 1918 A, 229 (This species?).
Osborn, H. F. 1910 B, 462.
Stock, C. 1917 A, 142.
1925 A, 7.
Trouessart, E. L. 1905 A, 794.
Pleistocene (Sheridan); Kansas.

Megalonyx leptostomus Cope.

Hay, O. P. 1902 A, 578.
Dumble, E. T. 1894 A, 559.
Gidley, J. W. 1903 C, 627 (M. leptostoma).
Matthew, W. D. 1909 C, 120 (M. leptostoma).
1923 A, 12 (This species?).
1924 C, 150.
Merriam, J. C. 1917 A, 435.
Montgomery, T. H. 1904 A, 57.
Stock, C. 1925 A, 7, 16.
Trouessart, E. L. 1905 A, 795.
Upper Pliocene (Blanco); Texas.

Megalonyx loxodon Cope.

Hay, O. P. 1902 A, 578.
Baker, F. C. 1920 A, 208, 213, 394.
Rhoads, S. N. 1903 A, 249.
Stock, C. 1925 A, 7.
Wheatley, C. M. 1871 B, 384 (M. toxodon).
Pleistocene (Early); Pennsylvania.

Megalonyx scalper Cope.

Hay, O. P. 1902 A, 578.
Baker, F. C. 1920 A, 208, 213, 394.
Hay, O. P. 1923 A, 31, 312.
Rhoads, S. N. 1903 A, 250.
Schlosser, M. 1902 H, 141.
Stock, C. 1925 A, 7.
Trouessart, E. L. 1905 A, 795 (Syn. of Ereptodon priscus).
Pleistocene (Early); Pennsylvania.

Megalonyx sierrensis Sinclair.

Sinclair, W. J. 1905 B, 155, pls. xx-xxii.
Hay, O. P. 1927 D, 4.
Holmes, W. H. 1902 A, 171 ("gigantic sloth").
Merriam, J. C. 1906 E, 222.
Schulthess, B. 1920 A, 104 (M. sierrenensis).
Sinclair, W. J. 1903 A, 711 ("Megalonyx sp.").
1904 A, 18 ("Megalonyx sp.").
Stock, C. 1925 A, 8.
Pleistocene; California.

Megalonyx tortulus Cope.

Hay, O. P. 1902 A, 578.
Baker, F. C. 1920 A, 208, 213, 394.
Hay, O. P. 1923 A, 31, 312.
Rhoads, S. N. 1903 A, 249.
Schlosser, M. 1902 H, 141.
Stock, C. 1925 A, 7.
Wheatley, C. M. 1871 B, 384.
Pleistocene (Early); Pennsylvania.

Megalonyx validus Leidy.

Hay, O. P. 1902 A, 578.
1924 D, 3, 242.
Hayes and Kennedy 1903 A, 20 ("Megalonyx").
Pleistocene; Texas.

Megalonyx wheatleyi Cope.

Hay, O. P. 1902 A, 578.
Baker, F. C. 1920 A, 208, 213, 394.
Frick, C. 1921 A, 320.
Hay, O. P. 1923 A, 31, 312.
1927 D, 4, 215.
Merriam and Stock 1925 A, 10 (This species?).
Miller, L. H. 1912 A, 71 (This species?).
Rhoads, S. N. 1903 A, 249.
Schlosser, M. 1899 M, 361.
1902 H, 141.
Schulthess, B. 1920 A, 79.
Simpson, G. G. 1928 H, 2, 11, fig. 8 (This species?).
Sinclair, W. J. 1904 A, 18 (M. wheatleyi?).
1905 B, 161, pl. xxiii, fig. 7 (M. wheatleyi?).
Stock, C. 1925 A, 7, 78, 113; text-figs. 27, 31 (M. wheatleyi, M. sphenodon).
Trouessart, E. L. 1905 A, 795.
Wheatley, C. M. 1871 B, 384 (M. wheatleyi, M. sphenodon, M. dissimilis).
Pleistocene (Port Kennedy Cave); Pennsylvania; (Potter Creek Cave); California.

Megalonyx sp. indet.

Chamberlin, R. T. 1916 A, 35 ("sloth").
Condon, T. 1902 A, 152, pl. xxviii, figs. 1, 3 ("Mylodon").
1910 A, 130, pl. xxviii, figs. 1, 3 ("Mylodon").
Cooke, C. W. 1926 A, 445. Pleistocene; Florida.
Diller, J. S. 1911 A, 27. Pleistocene; California.
Frick, C. 1921 A, 294, 320, figs. 1, 29 (This genus?). Pliocene (San Timoteo); California; 350, fig. 57 (This genus?). Pliocene (Eden); California.
Furlong, E. L. 1904 A, 54, 55.
1906 A, 243, 245. Pleistocene; California.
Gidley, J. W. 1903 C, 627. Pliocene (Blanco); Texas.
1915 D, 20 ("Megalonyx"). Pleistocene; Florida.
Gregory, H. E. 1917 A, 82 ("Megalonyx"). Pleistocene; Arizona.
Harris, G. D. 1899 A, 20 ("Megalonyx"). Pleistocene; Louisiana.
Hay, O. P. 1927 D, 302, 309. Pleistocene; Arizona, California.
Matthew, W. D. 1918 A, 186 ("megalonychid." This genus?). Pliocene (Snake Creek); Nebraska.
1925 B, 222 ("Megalonyx"). Staked Plains, Texas.
Matthew and Cook 1909 A, 383. Pliocene (Snake Creek); Nebraska.
Merriam, J. C. 1917 A, 439. (Dunnellon?); Florida.
Merriam and Buwalda 1917 A, 258. Washington.
Merriam and Stock 1925 A, 10. Pleistocene (Potter Creek Cave); California.
Merriam, Stock, Moody 1925 A, 58, 70, fig. 25 ("megalonychid." This genus?). Pliocene (Rattlesnake); Oregon.

Miller, L. H. 1912 A, 71, 73, 74 Pleistocene (Potter Creek, Samwel, and Hawver, caves); California.
Shimek, B. 1910 A, 128.
Sinclair, W. J. 1905 B, 160, pl. xxiii, fig. 6. Miocene (Mascall); Oregon.
1915 A, 83, fig. 7 ("megalonychid." This genus?). Pliocene (Snake Creek); Nebraska.
Stock, C. 1921 C, 320, fig. 29 (This genus?). Pliocene (San Timoteo); California.
Stock, C. 1925 A, 18, fig. 2 (This genus?); Lower Pliocene (Rattlesnake); Oregon: 20, fig. 2 (This genus?); Lower Pliocene (Pinole-Orinda-Siesta); California: 21. Pliocene (Timoteo); California: 21 (This genus?); Pliocene (Eden); California: Pleistocene (La Brea, Upper San Pedro, Bautista and caves); California: 16. Pliocene (Alachua); Florida: Pleistocene; Washington.

EREPTODON Leidy. Type *E. priscus* Leidy.

Hay, O. P. 1902 A, 578.
Palacký, J. 1902 A, 2.
Palmer, T. S. 1904 A, 268, 818.
Wallace, A. R. 1876 A, 1, 130.

Ereptodon priscus Leidy.

Hay, O. P. 1902 A, 578.
Foster, J. W. 1869 A, 253.
Gervais, P. 1859 A, 365.
Hay, O. P. 1923 A, 484.
1928 C, 428.
Hrdlička, A. 1907 A, 18.
Shimek, B. 1902 A, 285.
Trouessart, E. L. 1905 A, 794 (Megalonyx).
Wilson, T. 1892 A, 629.
1901 A, 322.
Pleistocene; Mississippi.

MYLODONTINÆ Gill.

Gill, T. 1872 B, 24.
Unless otherwise indicated the authors quoted use the family name Mylodontidæ.
Abel, O. 1913 B, 721 (Mylodontinæ).
1914 A, 105 (Mylodontinæ).
1919 A, 776 (Mylodontinæ).
Ameghino, F. 1889 A, 665, 895, 1019.
1897 B, 260 ("mylodonts").
Arldt, T. 1907 D, 666.
1912 A, 744 (Mylodontinæ).
Beddard, F. E. 1902 A, 179.
Gill, T. 1872 B, 24 (Mylodontinæ).
Hay, O. P. 1912 D, 573.
1914 A, 131.
Kraglievich, L. 1921 A, 95, seq.
1922 A, 451 (Mylodontinæ).
1922 B, 457 (Mylodontinæ).
1925 B, 216.
Kraglievich, L. 1926 B, 22 (Mylodontidæ); 23 (Mylodontinæ).
Lull, R. S. 1915 B, 383.
Matthew, W. D. 1913 B, 291.
Nordenskjöld, E. 1900 A, 29 (Glossotherium).
Osborn, H. F. 1910 B, 541 (Mylodontinæ).
Palacký, J. 1902 A, 2 ("mylodontinen").
Palmer, T. S. 1904 A, 755, 819.
Scott, W. B. 1903 A, 901.
1905 B, 495.
1913 A, 206, 598, 686.
Sefve, I. 1915 A, 61 (Scelidotherium).
Sinclair, W. J. 1905 D, 345, 362, 495.
Stock, C. 1917 C, 275.
Trouessart, E. L. 1905 A, 796.
Weber and Abel 1928 A, 224, 229, 232.
Woodward, A. S. 1899 F, 226 ("ground-sloth").
Zittel and Schlosser 1911 A, 416 (Mylodontinæ).
1923 A, 500 (Mylodontinæ).

MYLODON Owen. Type *M. harlani* Owen.

Hay, O. P. 1902 A, 578.
Abel, O. 1912 F, 261, 373, fig. 192.
1913 B, 726, fig. 34.
1920 A, 428, fig. 648.
1921 A, 284, fig. 103.
Allen, G. M. 1913 A, 319 (Mylodon); 344 (Paramylodon).
Ameghino, F. 1885 A, 111, 204.
1889 A, 1019.
1900 B, 258.
1904 C, 135.
1905 A, 55.
1906 E, 231.
1907 A, 101.
1912 A, 60.
1912 B, 178.
Anonymous 1921 C, 557, fig.
Baker, F. C. 1920 A, 202, 210.
Beddard, F. E. 1902 A, 179.
Boule, M. 1891 A, 40.
1923 A, 399.
Boule and Thevenin 1920 A, 220.
Bronn, H. G. 1848 A, 764.
1849 A, 713.
Brown, B. 1903 A, 569 (Paramylodon).
Burmeister, H. 1881 A, 378.
1886 B, 1132.
1886 C, 96, 110, pl. xvi.
1887 A, 861.
Case, E. C. 1898 C, 827.
Clark, F. W. 1892 A, 630 ("mylodon").
Coleman, A. P. 1914 A, 448.
Cope, E. D. 1880 U, 158.
1895 G, 596, 597, 599.
Depéret, C. 1892 A, 78.
1907 B.
Diener, C. 1912 A, 216.
Eastman, C. R. 1913 B, 677.
Eaton, G. F. 1914 A, 148.
Falconer, H. 1863 A, 62.
Frech, F. 1906 A, 493.
Frech and Geinitz 1903 A, 36.
Frets, G. P. 1910 A, 572.
Gervais, P. 1873 B, 26, seq.

Giebel, C. G. 1855 A, 60, pl. xxv.
1878 C, 854.
1883 A, pls. xxviii, xlv, lvii, lxv, lxvii, lxx, lxxvii, lxxxix.
Haug, E. 1911 A, 1706, 1886.
Hay, O. P. 1910 D, 371, 372.
1912 B, 9 (Mylodon, Paramylodon).
1912 D, 573, text-figs. 16, 22, 23, 27, 28.
1914 A, 131, pl. vii; text-figs. 31, 34, 36-39 (M. robustus).
1917 D, 41, pl. i, figs. 4, 5; pl. ii, figs. 2-4.
1918 B, 10, seq.
1919 A, 311.
1923 A, 491.
1925 D, 242.
Heilprin, A. 1887 A, 339.
Hoernes, R. 1886 A, 663.
Kampfen, P. N. 1905 A, 479.
Kraglievich, L. 1921 A, 9, 13, 24, 25, seq. (Mylodon, Paramylodon).
1922 A, 451.
1922 B, 459, 463 (Mylodon, Paramylodon).
1926 B, 22.
Lankester, E. R. 1905 A, 172, fig. 122.
Leche, W. 1887 A.
Lehman-Nitsche, R. 1900 A, 103.
Lobley, J. L. 1908 A, 214, 217.
Lönnberg, E. 1910 A, 58.
Loomis, F. B. 1926 A, 153.
Lull, R. S. 1915 B, 337 (Paramylodon); 380 (Mylodon).
1917 B, 370.
Mantell, G. A. 1844 A, 845.
Matthew, W. D. 1910 G, 159.
1911 B.
1913 B, 291.
1913 D, 296.
1914 A, 144 (Paramylodon).
1915 A, 262.
1915 K, 403 (Paramylodon); 468 (Mylodon).
1921 G, 557, fig.
1924 E, 748.
Merriam, J. C. 1906 D, 249.
Mivart, St. G. 1879 B, 511.
Moreno, F. P. 1902 A, 301.
Murchison, R. I. 1843 A, 132.
1843 B, 147.
Osborn, H. F. 1905 I, 108, 110.
1906 C, 851.
1909 D, 131.
1910 B, 624 (Mylodon); 627 (Paramylodon).
1912 G, 251 (Paramylodon).
1925 D, 532.
Owen, R. 1843 C, 360.
1845 B, 334.
1851 D, 351.
1860 E, 389, fig.
1866 B, 401, figs. 267, 268.
1868 A, 895.
1879 C, 581.
Palmer, T. S. 1904 A, 438, 819 (Mylodon); 514, 820 (Paramylodon).
Perkins, H. C. 1871 A, 763.
Perrier, E. 1920 A, 366.
Rautenberg, M. 1906 A, 38, 48.
Reinhardt, J. 1878 A.
Ridewood, W. G. 1901 A, 303, 405, pl. xxvi, figs. 24, 25.
Roth, S. 1908 A, 132.
Scharff, R. F. 1911 A, 153, 235, 352.
Schlosser, M. 1899 U, 462, 466.
Schmidt, E. 1872 A, 250 ("mylodonten").
Schmidt, O. 1886 A, 114.
Schulthess, B. 1920 A, 35, 76, 80, 100, 104, pl. v, fig. 11; pl. vi; text-figs. 11, 12, 41.
Scott, W. B. 1905 B, 495.
1913 A, 686, fig. 290.
Sefve, I. 1915 A, 77.
Serres, M. 1852 A, 119.
Sinclair, W. J. 1905 D, 346, 495.
1910 A, 191 (Paramylodon); 194 (Mylodon).
Steinmann, G. 1909 A, 79.
Stock, C. 1914 C, 143 ("mylodont"); 144 (Paramylodon).
1917 A.
1917 B.
1917 C.
1920 C, 514.
1925 A, *passim*.
Terra, P. 1911 A, 263, fig. 92.
Trouessart, E. L. 1905 A, 799 (Paramylodon); 800 (Mylodon).
Troxell, E. L. 1915 B, 479.
Wallace, A. R. 1876 A, I, 130, 147.
Weber, M. 1904 A, 433, 451, 460, 461.
Weber and Abel 1928 A, 225, 232, 233, figs. 139, 146.
Wilson, T. 1892 A, 628.
Winge, H. 1915 A, 139, 258, pl. xxvi.
1923 A, 317, 353 (Mylodon, Paramylodon).
Woodward, A. S. 1899 D, 351.
1899 F, 226.
1900 G, 64.
1902 A, 305, figs. (Mylodon?).
1923 C, 72.
Wright, G. F. 1911 B, 436.
Zittel and Schlosser 1911 A, 417 (Mylodon, Paramylodon).
1923 A, 500, 680, 681, fig. 620.

Mylodon? freudenbergi Hay.

Freudenberg, W. 1921 A, 140, pl. ia, figs. 1, 2 ("M? sp. major; M? sp. minor").
Pleistocene?; Mexico.

Mylodon garmani Allen.

Allen, G. M. 1913 A, 319, pls. i-iii; pl. iv, figs. 17-21.
Freudenberg, W. 1922 A, 4.
Hay, O. P. 1924 D, 5, 8, 9.
Kraglievich, L. 1921 A, 101, seq.
1922 B, tab.
Lull, R. S. 1915 B, 337, 379.
Matthew, W. D. 1914 A, 144.
Reinhardt, J. 1879 B, 268, seq.
Schulthess, B. 1920 A, 101.
Stock, C. 1914 B, 319, 326, 329.
1917 B, 166.
1917 C, 276.
1925 A, 12, 193.
Pleistocene (Sheridan); Nebraska.

Mylodon harlani Owen.

Hay, O. P. 1902 A, 579.
Allen, G. M. 1913 A, pl. iv, fig. 16.
Ameghino, F. 1904 C, 135.

Archer, W. J. 1918 B, 13 ("giant sloth").
Baker, F. C. 1920 A, 464 (M. harlani); 465 (Paramylodon nebrascensis).
Blake, W. P. 1884 A, 273, fig. 2 ("mylodon", Homo nevadensis).
Brown, B. 1903 A, 571, pls. l, li (Paramylodon nebrascensis).
Calvin, S. 1909 B, 353, pl. xxvi ("Mylodon").
1910 A, xii ("sloth").
Campbell, G. D. 1883 A, 578 ("human").
Chamberlin, R. T. 1916 A, 35 ("sloth").
Chamberlin, T. C. 1919 A, 316 ("Mylodon").
Collins, H. O. 1910 A, 6 ("ground sloth").
Conklin, E. G. 1925, in Stock, C. 1925 A, 121.
Cook, H. J. 1927 A, 117 ("Mylodon").
1927 C, 245 ("Mylodon").
Deeley, R. M. 1913 A, 14, tab. ("Mylodon").
Deussen, A. 1924 A, 108 (This genus?).
Falconer, H. 1863 A, 61.
Featherstonhaugh, G. W. 1831 C, 45 (Megalonyx laqueatus).
Figgins, J. D. 1928 A, 82 ("ground sloth").
Foster, J. W. 1869 A, 253.
1873 A, 60 ("mylodon").
Freudenberg, W. 1922 A, 4.
Gervais, P. 1859 A, 365 (M. harloni).
Gidley and Loomis 1926 A, 260 ("Mylodon").
Gilbert, J. Z. 1910 B, 25, 39, figs. 10-12, 15 ("ground sloth").
Harkness, H. W. 1882 A, 3 ("human foot prints").
Harris, G. D. 1899 A, 38 (This species?).
Haug, E. 1911 A, 1886.
Hay, O. P. 1912 D, 573, text-figs. 21, 24.
1914 A, 26, 132, pl. vi, figs. 3, 4; pl. viii, figs. 1, 2; text-figs. 32, 33, 35, 40-42.
1916 E, 54 ("Mylodon").
1917 A, 15.
1918 B, 18.
1923 A, 491.
1923 B, 116.
1924 D, 381.
1926 F, 426 ("sloths").
1926 G, 129 ("sloth").
1927 C, 281 ("mylodons").
1927 D, 303, 309 (M. harlani); 8, 51 (Orycterotherium); 7 (Paramylodon nebrascensis).
1928 B, 237 ("Mylodon").
1928 C, 425, 428.
Holmes, F. S. 1860 A, iv, vi ("mylodon").
Hrdlička, A. 1907 A, 18.
Joor, J. F. 1895 A, 397.
Kraglievich, L. 1921 A, 97, seq.
1922 A, 453 (M. harlani, Paramylodon nebrascensis).
1922 B, 457, tab. (M. harlani, Paramylodon nebrascensis).
1925 B, 223, 224.
Le Conte, J. 1882 A, 923 ("Mylodon").
1882 B, 8 ("mylodon").
1883 A, 102 ("Mylodon").
Leidy, J. 1859 J, 181.
Leunis and Ludwig 1883 A, 288.
Louderback, G. D. 1907 A, 211 ("mylodon").
Lull, R. S. 1913 B, 117 ("Mylodon").
1915 B, 327, figs. 1-12 (Mylodon); 338, 380 (Paramylodon a syn.).
Lydekker, R. 1915 C, 623.
Lyell, C. 1845 B, I, 164 ("Mylodon").
1847 C, lxxxi ("mylodon").
1855 A, I, 348 ("Mylodon").
McCornack, E. C. 1920 A, 18, 19, 23.
MacCurdy, G. G. 1917 A, 259, 261 ("Mylodon." This species?).
Matthew, W. D. 1916 F, 471 ("ground sloths").
1918 A, 227 (M. nebrascensis).
Mercer, H. C. 1896 A ("Mylodon").
Merriam, J. C. 1900 A, 613 ("Orycterotherium oregonense").
Merriam and Stock 1925 A, 11.
Merrill, G. P. 1907 A, 49.
Miller, L. H. 1912 A, 78 (Paramylodon sp.).
Murchison, R. I. 1843 A, 131.
Osborn, H. F. 1910 B, 472.
1925 D, 528, 531, 534, figs.
Owen, R. 1843 C, 360.
Perkins, H. C. 1842 B, 57 ("Mylodon." This species).
Rhoads, S. N. 1903 A, 249 (M. missouriensis).
Rogers, H. D. 1844 A, 258 ("mylodon").
Schulthess, B. 1920 A, 101.
Sellards, E. H. 1916 E, 15, 16 ("Mylodon").
1916 F, 9 (Mylodon sp.).
Shimek, B. 1902 A, 285.
1904 A, 305 ("Mylodon." This species?).
1910 A, 136 ("Mylodon").
1910 B, 316, 327 (Mylodon).
Sinclair, W. J. 1910 B, 191, fig. 1 (Paramylodon nebrascensis).
Stock, C. 1914 A, 761.
1914 B, 319, 320, 326, 329, figs. 1-6.
1916 A, 169 ("Mylodon").
1917 A, 140.
1917 B, 166, 174 ("nebraska skull").
1917 C, 267, figs. 1-5, 7, 8.
1917 D, 226.
1920 B, 425, pl. li.
1925 A, 10, 30, 113, 120, pls. xxi-xlvii; text-figs. 55-117.
Stoner, R. C. 1913 A, 390 ("sloth").
Swarth, H. S. 1915 A, 22, fig. 10.
Trouessart, E. L. 1905 A, 799 (Paramylodon nebrascensis); 800 (M. harlani).
Troxell, E. L. 1915 A, 616, 636.
1917 A, 88, fig. 1.
Usher, W. 1854 A, 344 ("Mylodon").
Veatch, A. C. 1899 A, 245.
1906 A, 51 ("Mylodon").
Veatch and Stevenson 1911 A, 437 ("Mylodon").
Villada, M. M. 1903 A, 451 (M. robustus. This species?).
Wheatley, C. M. 1871 B, 384.
Wilson, T. 1892 A, 629.
1901 A, 322.
Winge, H. 1915 A, 288.
Woodward, A. S. 1898 B, 280.
Wyman, L. E. 1922 A, 24, fig. 24 ("ground-sloth").
1927 A, 83, fig. ("giant sloth").
Zittel and Schlosser 1911 A, 417.
1923 A, 500.

Pleistocene (Early to Middle). Reported from about 15 states, from Pennsylvania to Florida, west to Washington, south to Nevada and Mexico.

Mylodon harlani tenuiceps Stock.

Stock, C. 1917 B, 171, pls. iii, iv.
Abel, O. 1926 B, 237.
Hay, O. P. 1927 D, 183, 185, 190.
Kraglievich, L. 1922 B, tab.
Merriam, J. C. 1908 D, 470, fig. ("groundsloth").
Merriam and Stock 1925 A, 11.
Osborn, H. F. 1925 D, 531.
Stock, C. 1925 A, 30, 192, pls. xlii, xliii.
Pleistocene (Early); California.

Mylodon renidens Cope.

Hay, O. P. 1902 A, 579.
Allen, G. M. 1913 A, 320.
Hay, O. P. 1923 A, 43.
1924 D, 1, 218.
1927 D, 7.
Kraglievich, L. 1921 A, 101, seq.
Lull, R. S. 1915 B, 334, 380 (= M. harlani).
Stock, C. 1914 B, 320, 331 (Syn. of M. harlani).
Veatch, A. C. 1899 A, 246.
Pleistocene; Louisiana.

Mylodon sodalis Cope.

Hay, O. P. 1902 A, 579.
Allen, G. M. 1913 A, 320, 340.
Cope, E. D. 1878 II, 125 ("Mylodon").
Dumble, E. T. 1894 A, 564.
Gidley, J. W. 1903 C, 623 (This species?).
Gilbert, G. K. 1890 A, 304, 394.
Haug, E. 1911 A, 1886.
Hay, O. P. 1924 D, 1, 239.
1927 D, 309.
Hodge, E. T. 1925 A, x ("giant sloth").
Lull, R. S. 1915 B, 333, 380 (=M. harlani).
McCornack, E. C. 1914 A, 15 ("sloth").
1920 A, 17 ("Mylodon").
Matthew, W. D. 1902 F, 320, 321 ("Mylodon").
Miller, L. H. 1912 A, 81.
Osborn, H. F. 1910 B, 458, 459.
Russell, I. C. 1884 A, 460 ("edentate").
Stock, C. 1914 B, 320.
1925 A, 10, 195 (Syn. of M. harlani).
Pleistocene (Fossil Lake); Oregon: Pleistocene; Texas?

Mylodon sulcidens Cope.

Hay, O. P. 1902 A, 579.
Allen, G. M. 1913 A, 320.
Hay, O. P. 1923 A, 43.
1924 D, 1, 218.
1927 D, 7.
Lull, R. S. 1915 B, 336, 380 (Syn. of M. harlani).
Stock, C. 1914 B, 320, 331 (Syn. of M. harlani).
Veatch, A. C. 1899 A, 246.
Pleistocene; Louisiana.

Mylodon sp. indet.

Cooke, C. W. 1926 A, 445. Pleistocene; Florida.
Cope, E. D. 1895 G, 597 ("small mylodon"). Pleistocene (Cave deposit); Tennessee.
Freudenberg, W. 1922 A, 25. Pleistocene; Mexico.
Gidley, J. W. 1903 C, 627. Pliocene (Blanco); Texas.
1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1914 A, 26. Pleistocene (Early); Nebraska.
1923 A, 491. Pleistocene; Tennessee.
1924 B, 260 ("mylodon"). Pleistocene; Florida.
1924 D, 381. Pleistocene; Kansas, Louisiana, Missouri, Nebraska, Texas.
1925 C, 28. Pleistocene; Mexico.
1927 D, 303, 309. Pleistocene; California, Florida, Oklahoma.
Matthew, W. D. 1909 C, 120. Pliocene (Blanco); Texas.
Mercer, H. C. 1894 B, 356 ("extinct edentate").
Merriam and Stock 1921 A, 567. Pleistocene (Early); California.
1925 A, 11. Pleistocene (McKittrick); California.
Miller, L. H. 1925 A, 309 ("mylodont"). Pleistocene (McKittrick); California.
Stock, C. 1925 A, 196, figs. 119, 120 (M. near harlani. Pleistocene (Christmas Lake); Oregon; 199 (Delight); Washington.
Swingle, W. F. 1925 A, 201 ("ground-sloth." This genus?). Pleistocene (Early); California.
Veatch, A. C. 1899 A, 245 (M. cf. robustus?). Pleistocene; Louisiana.

THINOBADISTES Hay. Type *T. segnis* Hay.

Hay, O. P. 1919 C, 104.

Thinobadistes segnis Hay.

Hay, O. P. 1919 C, 104-106, pl. xxvii, figs. 1, 2.
1921 A, 638, pl. cxix, figs. 6-11.
1923 A, 37, 375.
Pleistocene (Early); Florida.

MOROTHERIUM Marsh. Type *M. gigas* Marsh.

Hay, O. P. 1902 A, 579.
Cope, E. D. 1880 U, 157.
Depéret, C. 1907 B.
Hoernes, R. 1886 A, 664.
Lobley, J. L. 1908 A, 214.
Merriam, J. C. 1900 A, 614.
Palacký, J. 1902 A, 2.
Palmer, T. S. 1904 A, 433, 818.
Schlosser, M. 1899 U, 461.
Stock, C. 1925 A, 117.
Trouessart, E. L. 1905 A, 795.
Wallace, A. R. 1876 A, I, 140.
Winge, H. 1915 A, 313.

Morotherium gigas Marsh.

Hay, O. P. 1902 A, 580.
1927 D, 302.
Lawson, A. 1914 A, 15.

Merriam, J. C. 1900 A, 612, pl. lviii ("Morotherium". This species?).
1914 D, 15.
Sinclair, W. J. 1904 A, 20.
Stock, C. 1925 A, 117.
Trouessart, E. L. 1905 A, 795.
Pleistocene (San Antonio); California.

Morotherium leptonyx Marsh.

Hay, O. P. 1902 A, 580.
1923 A, 8.
1929 D, 265, 268.
Leidy, J. 1871 C, 365 ("sloth").
Merriam, J. C. 1917 A, 432.
Russell, I. C. 1902 A, 56 ("Morotherium." This species?).
Pleistocene (Idaho); Idaho.

Morotherium sp. indet.

Hay, O. P. 1927 D, 302, 309. Pleistocene; California, Idaho.
Winslow, C. F. 1875 A, 141 (This genus?). Pleistocene; California.

Suborder HICANODONTA Ameghino.

Ameghino, F. 1889 A, 758, 1015.
Abel, O. 1912 F, 377.
1913 B, 727.
1914 A, 100, 110.
1919 A, 779.
1920 A, 427.
Ameghino, F. 1906 D, 90.
1909 A, 2, 28.
1909 B, 107, 109.
Flower, W. H. 1883 A, 178 (Loricata).
Flower and Lydekker 1891 A, 179 (Loricata).
Gidley, J. W. 1926 A, 91 (Glyptodontia).
Gill, T. 1872 A, 24 (Loricata. Preoccupied for Crocodilia).
Gregory, W. K. 1910 A, 465.
Osborn, H. F. 1910 B, 541 (Loricata).
Schulthess, B. 1920 A, 66, 92.
Scott, W. B. 1913 A, 592, 610 (Loricata).
Weber, M. 1904 A, 458, 464.
Weber and Abel 1928 A, 217, 223.
Winge, H. 1923 A, 330.
Zittel and Schlosser 1911 A, 418.
1923 A, 501.

Superfamily DASYPODOIDÆ, new form.

For this group most of the authors here cited the name Dasypoda.
Ameghino, F. 1906 B, 1.
1906 D, 70, 91.
1906 E, 242.
1907 A, 122.
1909 A, 2, 29.
Arldt, T. 1907 C, 677.
1907 D, 29, 144.
Gill, T. 1886 A, 47 (Loricata).
Hoernes, R. 1886 A, 662.
Illiger, C. 1811 A, 110 (Cingulati).
Kingsley, J. S. 1925 A, 50 (Dasypoda).
Osborn, H. F. 1909 D, 124.
1910 B, 541.
Scharff, R. F. 1911 A, 399.
Scott, W. B. 1905 A, 242.
1913 A, 189, 592, 610.
Sinclair, W. J. 1905 D, 7, 362, 492.
Trouessart, E. L. 1905 A, 811.
Vicq d'Azyr, F. 1819 A, 55 (Loricati).
Zittel and Schlosser 1911 A, 421.
1923 A, 505 (Dasypoda).

DASYPODIDÆ Bonaparte.

Bonaparte, C. L. 1831 A, 10, 23.
Hay, O. P. 1902 A, 581.
Abel, O. 1901 A, 29 ("dasypodides").
1912 F, 377.
1913 B, 727.
1919 A, 780.
Agar, W. E. 1909 A, 374, figs. 1-4 ("armadillo").
Allessandrini, A. 1849 B, 396 ("armadili").
Ameghino, F. 1883 A, 1 ("dasypideos").
1889 A, 1009 (Chlamydotheridæ); 1010 (Dasypodidæ).
1893 A, 428 (Dasypidæ).
1909 B, 93 ("tatous").
Anthony, R. 1912 A.
Arldt, T. 1907 A, 239, 243.
1907 B, 455 ("dasypoden").
1907 D, 649.
1912 A, 698, 699.
Beddard, F. E. 1902 A, 173.
Beyer, H. 1908 A, 87 ("gürteltiere").
Black, N. 1900 A, 10 ("armadillos").
Bonaparte, C. L. 1832 A, 290.
1838 B, 111.
Boule and Thevenin 1920 A, 210 ("dasypodes").
Burmeister, H. 1866 B, 231 (Loricata).
1879 B, 426 (Dasypidæ).
Clark and Sonntag 1926 A, 455.
Elliott, D. G. 1901 A, 4.
Flower, W. H. 1870 A, 244 ("armadillos").
1883 D, 386.
Flower and Lydekker 1891 A, 194.
Gervais, P. 1855 A, 54 ("dasypidés").
Giebel, C. G. 1883 A ("gürtelthiere").
Gill, T. 1885 B, 21.
1886 A, 48 (Tatusiidæ).
Grant, M. 1904 B, 205.
Gray, J. E. 1821 A, 305 (Dasipidæ).
1825 B, 343 (Dasypidæ).
Gregory, W. K. 1913 E, 24, fig. 17 (Tatusia).
Grevé, C. 1902 A, 91.
Hay, O. P. 1923 A, 5.
Hogben, L. T. 1919 A, 73.
Huxley, T. H. 1863 B, 319 ("armadillos").
1863 F, 529, 530 ("armadillos").
Kampfen, P. N. 1905 A, 341.
Kükenthal, W. 1913 A, 679.
Lane, H. H. 1909 A, 25 (Dasypodididæ).

Lane, H. H. 1910 A, 914.
Leche, W. 1887 A.
1895 A, 110 (Tatusia).
1900 A, 1006.
Leenhardt, L. E. E. 1906 A ("tatous").
Lubosch, W. 1908 B.
Lydekker, R. 1914 A, 637 ("armadillo").
Matthew, W. D. 1910 I, 151 ("armadillos").
1912 F, 301 ("armadillos").
1915 K, 468, fig. 17 ("armadillos").
1918 H, 620 ("armadillos").
1928 B, 965 ("armadillos").
Meckel, J. F. 1825 A ("gürtelthiere").
Miller, G. S. 1912 B, 378.
Osborn, H. F. 1909 D, 31.
Owen, R. 1845 B, 320, 326 ("armadillos").
1866 B, 279, 296, 407.
1868 A, 876.
Palmer, T. S. 1904 A, 736, 813 (Dasypodidæ); 773, 813 (Tatusidæ).
Pander and Alton 1825 A, 5 ("dasypoden").
Parker, W. K. 1885 C, 7-46, pls. i-vii.
Pictet, F. J. 1853 A, 272 ("dasypides").
Reche, O. 1905 B, 244.
Rehs, J. 1914 A, 39.
Römer, F. 1893 A, 527 ("gürteltiere").
Schlosser, M. 1905 B, 126 ("dasypodiden").
Schulthess, B. 1920 A, 63, 81, 105.
Scott, W. B. 1905 B, 40.
1913 A, 592.
1917 A, 134 ("armadillos").
Sinclair, W. J. 1905 D, 40, 362, 492.
Taschenberg, O. 1899 A, 4537.
Terra, P. 1911 A, 260.
Thomas, O. 1888 A, 456.
Tims, H. W. M. 1908 A, 386.
Tomes, C. S. 1874 A, 44 (Tatusia).
Van den Broeck, A. J. P. 1912 A, 784.
Wallace, A. R. 1876 A, II, 245.
Weber, M. 1904 A, 453, 454, 464.
Weber and Abel 1928 A, 171, 218, 223.
Wegner, R. N. 1922 A, 413.
Wilson, C. W. 1914 A, 5 (Dasypidæ).
Winge, H. 1915 A, 219, 225, 238.
1923 A, 282, 288, 303.
Woodward, H. 1904 B, 156.
Zittel and Schlosser 1911 A, 421.
1923 A, 505.

DASYPODINÆ.

Flower, W. H. 1883 D, 387.
Miller, G. S. 1912 B, 378.
1924 C, 502.
Schulthess, B. 1920 A, 82, 84, 106 (Dasypodinæ, Tatusinæ).
Trouessart, E. L. 1905 A, 814.
Weber, M. 1904 A, 453, 455.
Weber and Abel 1928 A, 219, 223.
Winge, H. 1915 A, 219, 238 (Dasypodini).
1923 A, 282, 304 (Dasypodini).

DASYPUS Linnæus. Type not specified.

Linnæus, C. 1758 A, 50-51.
Abel, O. 1912 F, 371.
Agar, W. E. 1909 A, 377.
Alessandrini, A. 1849 A, 379, pl. xxiv, fig. 3; pl. xxvi, figs. 1, 2; pl. xxviii, fig. 3.
1849 B, 393, pls. xxviii, xxix.
Altmann, F. 1925 A, 108.
Ameghino, F. 1883 A, 6.
1889 A, 1010.
1906 D, 72, 83.
1906 E, 246.
1909 A, 31, figs. 16-18, 39.
1909 B, 99 (Tatusia).
Anderson, R. J. 1912 E, 908.
Arldt, T. 1907 B, 455.
Ballowitz, E. 1892 A, 133.
Bardeleben, K. 1885 B, 86.
1906 A, 133.
Bayer, F. 1897 A, 147, fig. 16.
Bensley, B. A. 1902 A, 7, pl. i, fig. 6 (Tatusia).
Bertelli, D. 1909 A, 161.
Bojanus, L. H. 1819 A, 1364.
Bonsdorff, E. J. 1871 A, 315, pl. iv.
Bronn, H. G. 1848 A, 404.
1849 A, 712.
Broom, R. 1903 I, 549.
1906 E, 370.
1915 C, 27.
Burmeister, H. 1866 B, 231, 232.
1879 B, 434.
Clark and Sonntag 1926 A.
Cleland, J. 1863 B, 302 ("armadillo").
Cuvier, G. 1805 A.
1825 A, v, 1, 120-142, pl. xi ("tatous").
Depéret, C. 1907 B ("tatous").
Diener, C. 1912 A, 224.
Doran, A. H. G. 1878 A, 472, pl. lxiv.
Eggeling, H. 1904 A, 87, figs. 22, 23.
Eimer, G. H. T. 1901 A, 257.
Elliot, D. G. 1901 A, 4, pl. i (Cabassous).
Fawcett, E. 1918 A, pls. xvi, xvii (Tatusia).
1921 A, 187-217, pls. vi-ix (Tatusia).
Fernandez, M. 1921 A, 516.
Fischer, E. 1903 A, 702.
Fischer, J. B. 1829 A, 389.
Fleischmann, A. 1904 A, 484.
Flower, W. H. 1868 A, 378 (Tatusia).
1883 D, 387.
Flower and Lydekker 1891 A, 197 (Dasypus); 200 (Tatusia).
Foote, J. S. 1916 A, 112 (Tatu).
Fuchs, H. 1907 A, 154.
1911 B, 383, fig. 18.
1912 D, 147.
1914 A, 30.
Gaupp, E. 1905 E, 160.
1906 B, 821.
1913 A, 62.
Gegenbaur, C. 1864 C, 184.
1865 C, 556, 563.
Gervais, P. 1853 B, 67 ("tatou").
Giebel, C. G. 1855 A, 61, pl. xxv, figs. 9, 10.
1883 A, pls. xxix, lviii, lxii, lxx, lxxvi, lxxxiv, lxxxviii.
Gill, T. 1886 A, 49.
Gottlieb, H. 1914 A, 187.
Gregory, W. K. 1920 A, 167, fig. 114.
1921 A, 77.

Grevé, C. 1902 A, 92 (Tatusia).
Hasse and Schwarck 1870 A, 123, fig. 41.
Hay, O. P. 1918 B, 13.
Hogben, L. T. 1919 A, 73.
Howes, G. B. 1893 C, 589 (Tatusia).
Huxley, T. H. 1863 B, 324.
1863 D, 233, figs. 2, 3.
1865 B, 40, 65.
Kampfen, P. N. 1905 A, 493, fig. 44.
Kerbert, C. 1876 A, 253.
Kingsley, J. S. 1925 A, 260, 291, figs. 196, 278, 316.
Köstlin, O. 1844 A.
Lebouc q, H. 1884 A, 75.
Leunis and Ludwig 1883 A, 286.
Leydig, F. 1859 A, 703.
Lubosch, W. 1908 B.
1911 A, 326.
1911 B, 742, 746.
1926 A, 110.
Lund, P. W. 1841 A, 68, 225.
Lydekker, R. 1903 D, 125 ("armadillos").
Martin, B. 1916 A, 647, pls. i-iv; text-figs. 1-15.
Matthew, W. D. 1912 F, 302 ("armadillo").
1915 K, 467.
1918 H, 625, 644, figs. 61, 62, 64-68.
Meckel, J. F. 1825 A.
Merriam, C. H. 1892 A, 60 (Tatusia).
Meyer, G. H. 1847 A, 87.
Miller, G. S. 1912 B, 378.
1924 C, 503.
Mysberg, W. A. 1917 A, 652, fig. 4 (Tatusia).
Newman, H. H. 1913 A, 513, figs. 1-7.
1916 A, 173.
Owen, R. 1845 B, 326, pl. lxxxv (Tatusia).
1848 B, 94.
1851 D, 350.
1866 B, 393, 408, figs. 260, 261, 276.
Palmer, T. S. 1904 A, 217, 814.
Pander and Alton 1825 A, 5, pl. vii.
Parker, W. K. 1885 C, 118.
Parker and Haswell 1897 A, 470, figs. 1049, 1072, 1077, 1088.
Paulli, S. 1900 B, 511, fig. 25.
Pictet, F. J. 1853 A, 275.
Rehs, J. 1914 A, 39.
Retzius, A. 1837 A, 489.
1849 A, 651.
Reynolds, S. H. 1897 A, 424, 459, 487, 505.
Ridewood, W. S. 1901 A, 404, pl. xxvi, figs. 18, 19.
Römer, F. 1893 A, 527.
Schmidt, O. 1886 A, 120.
Schmidt, W. J. 1910 A, 637.
Schulthess, B. 1920 A, 28, 63, 82, 106; text-figs. 19, 23, 47, 50 (Dasypus tatusia).
Schwalbe, G. 1904 A, 207.
Scott, W. B. 1905 B, 492.
1916 A, 115 ("armadillo").
Seeley, H. G. 1876 C, 176 ("armadillo").
Simpson, G. G. 1927 H, 288, 291.
1928 H, 4 (Tatu).
Sinclair, W. J. 1905 D, 8, 492.
Spurgin, A. M. 1904 A, 75, pls. i, ii.
Stromer, E. 1902 B, 556.
Taschenberg, O. 1899 A, 4537.
Terra, P. 1911 A, 260.
Thomas, O. 1887 A, 312 (Tatusia).
1888 A, 458.
Toldt, C. 1905 A, 328, figs.
Tornier, G. 1891 A, 189.
Trouessart, E. L. 1905 A, 820.
Vicq-d'Azyr, F. 1819 A, 56.
Wagner, R. 1843 A.
Wallace, A. R. 1876 A, I, 145, 147.
Van den Broeck, A. J. P. 1912 A, 784.
Weber and Abel 1928 A, 189, 193, 204, 217; figs. 111, 112, 116, 128, 129, 138, 219, 220.
Weber and Burlet 1927 A.
Wegner, R. N. 1922 A, 414.
Wiedersheim, R. 1892 A, 61, pl. vii, fig. 18.
Wilder, W. B. 1872 B, 321.
Wilson, C. W. 1914 A, 5, pls. i-x (Dasypus, Tatusia).
Winge, H. 1915 A, 52, 278.
1923 A, 292, 296.
Woodward, M. F. 1894 B, 444.
Wortman, J. L. 1920 A, 15.
Ziegler, H. 1901 A, 237 (Dasypus).
Zittel and Schlosser 1911 A, 421 (Tatusia).
1923 A, 505 (Tatusia).

Dasypus sp. indet.

Abel, O. 1926 B, 81. Pleistocene; Florida.
Chamberlin, R. T. 1916 A, 35 ("armadillo").
Cooke, C. W. 1926 A, 445 (Dasyphus). Pleistocene; Florida.
Gidley, J. W. 1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1917 E, 44.
1919 C, 106.
1923 A, 483. Pleistocene; Florida.
1927 D, 274. Pleistocene; Florida.
Matthew, W. D. 1925 A, 97. Pleistocene (Early); Florida.
Sellards, E. H. 1916 B, 103. Pleistocene; Florida.
1916 C, 139, 140, 148, 158, pl. xxix, figs. 1, 2. Pleistocene (Early); Florida.
1916 D, 616. Pleistocene (Early); Florida.
1916 E, 16, 17. Pleistocene; Florida.
Simpson, G. G. 1928 H, 2 (Tatu). Pleistocene (Early); Florida.

TOMIOPSIS Cope. Type *T. ferruminatus* Cope.

Hay, O. P. 1902 A, 581.
Palmer, T. S. 1904 A, 682, 822.
A genus of uncertain position.

Tomiopsis ferruminatus Cope.

Hay, O. P. 1902 A, 581.
Montgomery, T. H. 1904 A, 57.
Neocene?; Texas.

CHLAMYTHERIINÆ.

Arldt, T. 1912 A, 744 (Chlamydotherinæ).
Castellanos, A. 1927 B, 1 (Chlamydotherinæ).
Palacký, J. 1902 A, 2 ("chlamydotherien").
Schulthess, B. 1920 A, 81 (Chlamydotheriinæ).

Trouessart, E. L. 1905 A, 812 (Chlamydotheriinæ).
Weber, M. 1904 A, 465 (Chlamydotherinæ).
Winge, H. 1915 A, 219, 258 (Chlamydotheriini).
1923 A, 282 (Chlamydotheriini).

Chlamytherium Lund. Type *C. humboldtii* Lund.

Unless otherwise indicated the authors, as quoted, use the form Chlamydotherium.

Lund, P. W. 1838 A, 11 (Chlamytherium).
Hay, O. P. 1902 A, 581 (Chlamytherium).
Abel, O. 1919 A, 780.
Ameghino, F. 1883 A, 4, 33.
1885 A, 137, 170.
1889 A, 1009.
1897 B, 263.
1904 B, 23.
1906 E, 246.
1912 B, 179.
Bronn, H. G. 1838 A, 1258.
1848 A, 292.
1849 A, 712.
Castellanos, A. 1927 B, 1.
Depéret, C. 1907 B.
Diener, C. 1912 A, 224 (Chlamytherium).
Gervais, P. 1873 B, 23.
Giebel, C. G. 1855 A, 62.
1883 A, 149.
Hay, O. P. 1918 B, 13, 14 (Chlamytherium).
1926 E, 389 (Chlamytherium).
Huxley, T. H. 1895 B, 43.
Janensch, W. 1904 A, 90.
Lund, P. W. 1839 B, 217.
1841 A, 69, 232.
MacCurdy, G. G. 1917 A, 261 (Chlamytherium).
Matthew, W. D. 1915 A, 262.
1918 H, 647.
1925 A, 97.
Osborn, H. F. 1910 B, 542.
Oswald, F. 1909 A, 125.
Owen, R. 1845 B, 323.
Palacký, J. 1902 B, 142.
Palmer, T. S. 1904 A, 184, 814.
Pictet, F. J. 1853 A, 274, pl. viii, fig. 12.
Schulthess, B. 1920 A, 27.
Scott, W. B. 1913 A, 596, 612, 678.
Sellards, E. H. 1915 B, 139.
1915 D, 77.
1917 A, 249.
1917 C, 76.
Serres, M. 1852 A, 120.
1852 B, 183.
Terra, P. 1911 A, 261.
Trouessart, E. L. 1905 A, 812.
Weber, M. 1904 A, 465, 467.
Weber and Abel 1928 A, 226.
Winge, H. 1915 A, 8, 88, pls. viii-xv.
1923 A, 298, 304.
Zittel and Schlosser 1911 A, 421.
1923 A, 505.

Chlamytherium septentrionale Leidy.

Hay, O. P. 1902 A, 581 (C. humboldtii).
Abel, O. 1926 B, 81.
Baker, F. C. 1920 A, 373 (C. septentrionalis).
Cahn, A. R. 1922 A, 22, pls. ii, iii.
Chamberlin, R. T. 1916 A, 35 ("armadillo").
1917 A, 675 ("armadillo").
Chamberlin, T. C. 1919 A, 316 ("Chlamytherium").
Gidley, J. W. 1927 E, 274.
Gidley and Loomis 1926 A, 260 ("Chlamytherium").
Hay, O. P. 1916 E, 55 ("Chlamytherium").
1917 E, 44 (chlamytherium).
1918 D, 461 ("armadillo").
1923 A, 482 (Chlamytherium).
1924 B, 259 ("giant armadillo").
1926 C, 2, pl. ii, fig. 2 (Chlamytherium).
1927 D, 273, 274, 286 (Chlamytherium).
1928 B, 238 ("Chlamytherium").
1928 C, 426 (Chlamytherium).
Hrdlička, A. 1926 A, 9 ("giant armadillo").
Loomis, F. B. 1924 C, 506 (Chlamydotherium).
MacCurdy, G. G. 1917 A, 261 ("Chlamytherium").
Matson and Clapp 1909 A, 136, 137 (Chlamydotherium humboldtii).
Sellards, E. H. 1915 B, 139, figs. 1-6.
1915 D, 77, 78, figs. 10, 47-49, 51, 52.
1916 B, 103, 104.
1916 C, 139, 140, 148, 158, pl. xxviii, figs. 4-6; pl. xxx, fig. 7.
1916 D, 616.
1916 E, 16, 17, 23.
1916 F, 9.
1917 E, 198 ("Chlamytherium").
Simpson, G. G. 1928 H, 2, 13, fig. 9.
Spencer, J. W. 1895 A, 137 (Chlamydotherium humboldtii).

Pleistocene (Early); Florida, Texas.

Chlamytherium sp. indet.

Cooke, C. W. 1926 A, 445. Pleistocene; Florida.

Superfamily GLYPTODONTOIDÆ, new name.

Unless otherwise indicated, the writers, as cited, use for this group the name Glyptodontia.

Abel, O. 1901 A, 28 ("glyptodontes").
1908 D, (215) ("glyptodonten").
Ameghino, F. 1885 A, 129.
1889 A, 1014.
1906 D, 91.
1906 E, 242.
1907 A, 122.
1909 A, 2.
Arldt, T. 1907 B, 455 ("glyptodontier")
1907 C, 677.
1907 D, 29, 144.
Brown, B. 1912 C, 175.
Osborn, H. F. 1906 C, 776.
1909 D, 126.
1910 B, 542.
Richter, J. 1911 A, 257 (Hoplophorus).
Scharff, R. F. 1911 A, 399.
Scott, W. B. 1903 A, 901.
1905 A, 242.

Scott, W. B. 1905 B, 494.
1913 A, 205, 592, 617, 681.
Sinclair, W. J. 1905 D, 107, 362, 494.
Trouessart, E. L. 1905 A, 805.
Zittel, K. A. 1893 B, 140.

GLYPTODONTIDÆ Burmeister.

Burmeister, H. 1879 B, 421.
Hay, O. P. 1902 A, 580.
1927 E, 77 ("glyptodons").
Abel, O. 1912 F, 377, 562.
1913 B, 727 (Glyplodontidæ).
1914 A, 111, 114 ("glyptodontiden").
1921 A, 188 ("glyptodontiden").
Ameghino, F. 1889 A, 1014 (Glyptodontidæ); 1015 (Hoplophoridæ).
1897 B, 260 ("glyptodons").
1912 A, 70.
Arldt, T. 1907 A, 239, 243.
1907 D, 656.
1912 A, 699 (Glyptodontidæ); 744 (Glyptodontinæ).
Beddard, F. E. 1902 A, 184.
Boule, M. 1891 A, 40 ("glyptodontes").
Boule and Thevenin 1920 A, 208 ("glyptodontes").
Brown, B. 1912 C, 175.
Case, E. C. 1898 C, 827 (Glyptodonta).
Cope, E. D. 1891 N, 70.
Dall and Harris 1892 A, 284.
Frech and Geinitz 1903 A, 36 (Glyptodontia).
Gervais and Ameghino 1880 A, 177 ("glyptodontidés").
Gill, T. 1872 B, 24 (Hoplophoridæ).
1886 A, 65.
1910 A, 56 (Hoplophoridæ).
Hay, O. P. 1923 A, 5.
Hcgben, L. T. 1919 A, 73.
Huxley, T. H. 1864 B, 108 (Hoplophoridæ).
1865 B, 48 (Hoplophoridæ).
Jaekel, O. 1909 C, 706 ("glyptodonten").
Janensch, W. 1904 A, 67 ("glyptodontiden").
Kampfen, P. N. 1905 A, 496 (Glyptodontidæ).
Lane, H. H. 1909 A, 25.
1910 A, 914.
Lönnberg, E. 1910 A, 65 (Glyptodontidæ).
Matthew, W. D. 1909 C, 120.
1912 F, 301 ("glyptodonts").
1913 B, 291.
1915 K, fig. 37 ("glyptodonts").
1928 B, 977 ("glyptodonts").
Moodie, R. L. 1923 B, 245 ("glyptodonts").
Osborn, H. F. 1910 B, 616.
Palacký, J. 1902 A, 2 ("glyptodontinen").
Reynolds, S. H. 1897 A, 459.
Roger, O. 1896 A, 101 (Glyptodontidæ); 103 (Hoplophoridæ).
Schulthess, B. 1920 A, 50, 64, 88, 110.
Scott, W. B. 1905 B, 115.
1913 A, 592.
1916 A, 116 ("glyptodonts").
1917 A, 133, 135 ("glyptodonts").
1928 B, 259 ("glyptodonts").
Sinclair, W. J. 1905 D, 115, 494.
Steinmann, G. 1907 A, 474 (Glyptodontia).
1909 A, 70 ("glyptodonten").
Terra, P. 1911 A, 261 ("glyptodonten").
Trouessart, E. L. 1905 A, 805.
Weber, M. 1904 A, 464, 466.
Weber and Abel 1928 A, 223, 227 (Glyptodontidæ, Glyptodontinæ).
Wegner, R. N. 1922 A, 460.
Winge, H. 1915 A, 220, 239 (Glyptodontini).
1923 A, 282, 298, 301, 305 (Glyptodontini).
Zittel and Schlosser 1911 A, 418.
1923 A, 502.

GLYPTODON Owen. Type *G. clavipes* Owen.

Hay, O. P. 1902 A, 580.
Abel, O. 1908 D, (212).
1909 D, (226).
1912 F, 591, 623, fig. 458.
1913 B, 728, figs. 36, 37.
1914 A, 115, fig. 79.
1919 A, 781, figs. 586, 589, 590.
1920 A, 429, figs. 650, 651.
Ameghino, F. 1883 A, 4, 28.
1885 A, 170.
1889 A, 1013.
1912 A, 60.
1912 B, 178.
Beddard, F. E. 1902 A, 184.
Boule, M. 1902 B, 914 ("glyptodonte").
1923 A, 492.
Boule and Thevenin 1920 A, 206.
Brandes, G. 1900 A, 106 ("glyptodonten").
Bronn, H. G. 1848 A, 536.
1849 A, 712.
Brown, B. 1912 C, 169, 172, 175.
Case, E. C. 1898 C, 828.
Depéret, C. 1907 B ("glyptodontes").
Frets, G. P. 1910 A, 574.
Gervais and Ameghino 1880 A, 197.
Gidley, J. W. 1912 C, 19 ("gylyptodont").
1926 A, 92.
Giebel, C. G. 1855 A, 62, pl. xi.
1883 A, pls. xxix, xlv, lxxvi, lxxxix.
Grandidier, G. 1912 A, 401.
Hase, A. 1913 A, 125.
Hay, O. P. 1910 D, 372 ("glyptodonts").
1916 D, 111.
1918 B, 12, 13, 14.
1919 A, 311.
1923 A, 485.
1926 E, 388 ("glyptodons").
1928 B, 238.
Heilprin, A. 1887 A, 338, 339.
Hoernes, R. 1886 A, 662.
Howes, G. B. 1903 A, 327.
Hutchinson, H. N. 1910 A, 292, pl. liii.
Huxley, T. H. 1863 B, 316.
1863 D, 205, 233, figs. 1-4.
1864 B, 108.
1865 B, 37, pls. v-x.
Ihering, H. 1909 A, 285.
Janensch, W. 1904 A, 67, figs. 1-8.
Kampfen, P. N. 1905 A, 496.
Kingsley, J. S. 1925 A, 50.

Koken, E. 1893 B, 494.
Lankester, E. R. 1905 A, 170, fig. 120.
Leche, W. 1887 A.
Lobley, J. L. 1908 A, 213, 217.
Lydekker, R. 1894 B, 32.
Mantell, G. A. 1844 A, 843, fig. 156.
Matthew, W. D. 1910 G, 159.
1915 A, 260.
1924 E, 748.
Osborn, H. F. 1905 I, 108.
1910 A, 213 ("glyptodonts").
1910 B, 542.
1916 E, 505, figs. 1, 2.
1917 B, 148, fig.
Oswald, F. 1909 A, 125.
Owen, R. 1839 F, 156.
1845 B, 323, pl. lxxxvi, figs. 1-3.
1860 E, 392, figs.
1868 A, 882.
Palacký, J. 1902 A, 1.
Palmer, T. S. 1904 A, 298, 816.
Pictet, F. J. 1853 A, 273.
Reche, O. 1905 B, 245.
Reynolds, S. H. 1897 A, 542.
Roth, S. 1908 A, 132, 138, 140.
Schlosser, M. 1899 I, 351.
Schmidt, O. 1886 A, 120 ("glyptodons").
Schulthess, B. 1920 A, 10, 90, 111, pl. i; pl. iii, figs. 4, 6; pl. iv, fig. 4.
Schwarz, E. 1924 A, 422 ("glyptodons").
Scott, W. B. 1905 B, 494.
1913 A, 219, 618, 681.
Serres, M. 1863 A, 885.
1863 B, 1028.
Sinclair, W. J. 1905 D, 109, 494.
Smith, G. E. 1903 B, 48.
Steinmann, G. 1907 A, 475.
1909 A, 67, figs. 1, 6.
Trouessart, E. L. 1905 A, 808.
Veatch, A. C. 1906 A, 51 ("glyptodon").
Wallace, A. R. 1876 A, 1, 147.
Weber, M. 1904 A, 82, 150, 165, 451, 466, figs. 63, 113, 121, 354, 355.
Weber and Abel 1928 A, 196, 227, figs. 119, 120, 141, 143.
Weber and Burlet 1927 A, 106, 237, figs. 77, 175.
Wegner, R. N. 1922 A, 460, fig. 30.
Winge, H. 1915 A, 120, 240, 282, pls. xx-xxiii.
1923 A, 303.
Woodward, H. 1904 B, 156.
1923 C, 74, fig. 68.
Zittel and Schlosser 1911 A, 419.
1923 A, 502, figs. 622, 623.

Glyptodon petaliferus Cope.

Hay, O. P. 1902 A, 580 (G. euphractus, part; G. petaliferus); 581 (G. reticulatus, part).
Cook, H. J. 1927 A, 117 ("Glyptodon").
1927 C, 247 ("Glyptodon").
Deussen, A. 1924 A, 110.
Dumble, E. T. 1894 A, 564.
Gidley, J. W. 1926 A, 91-93.
Hay, O. P. 1916 D, 107, pls. iii-v.
1917 B, 14.
1923 A, 39, 381.
1924 D, 378.
1926 C, 2, pl. i, fig. 1; pl. ii, fig. 3.
1927 C, 282 ("glyptodons").
1927 D, 286.
1928 C, 425, 426.
Leidy, J. 1889 E, 25, pl. iv, fig. 9; pl. vi, fig. 1.
1892 A, 129 (G. euphractus).
Matson and Clapp 1909 A, 136 (Hoplophorus euphractus); 137 (Glyptodon petaliferus).
Osborn, H. F. 1910 B, 368 ("Glyptotherium").
Spier, L. 1928 A, 161 ("glyptodon").
The Florida remains here referred to *G. petaliferus* belong possibly to *G. rivipacis*.
Pleistocene (Early); Texas, Oklahoma, Florida?.

Glyptodon rivipacis Hay.

Hay, O. P. 1923 A, 40, 381.
1902 A, 581 (G. reticulatus, part).
Leidy, J. 1889 E, 25, 26, pl. v, figs. 11, 12 ("glyptodon").
1892 A, 129 (Glyptodon sp.).
Spencer, J. W. 1895 A, 137 (G. petaliferus).
Pleistocene (Early); Florida.

Glyptodon sp. indet.

Deussen, A. 1924 A, 108. Pleistocene (Lissie); Texas.
Freudenberg, W. 1910 A, 5. Pleistocene; Mexico.
Furlong, E. L. 1925 A, 139. Pleistocene; Tequixquiac, Mexico.
Gidley, J. W. 1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1927 D, 274, 287. Pleistocene; Florida, Texas.
Hrdlička, A. 1926 A, 7 ("glyptodon").
Matthew, W. D. 1925 B, 222 ("Glyptodon"). Staked Plains; Texas.
Troxell, E. L. 1917 A, 89. Pleistocene (Early); Texas.

Glyptotherium Osborn.

Type *G. texanum* Osborn.

Osborn, H. F. 1903 B, 491.
Ameghino, F. 1912 B, 178.
Andrews, C. W. 1908 D, figs. 12-16, 19, 20.
Anonymous 1921 C, 558, fig.
Brown, B. 1912 C, 175.
Diener, C. 1912 A, 216.
Gidley, J. W. 1926 A, 91.
Haug, E. 1911 A, 1706, 1886.
Hay, O. P. 1923 A, 2, 4, 15.
Matthew, W. D. 1915 A, 262.
1918 H, 647.
1924 E, 748.
Merriam, J. C. 1919 A, 531.
Osborn, H. F. 1901 F, 499, 622 (Glyptodon).
1903 G, 667.
1909 D, 23, 65, 82.
1910 B, 360-366, 542, fig. 170.
1912 G, 250.
1918 A, 30.
1925 A, 8.
Palmer, T. S. 1904 A, 298, 816.
Scharff, R. F. 1911 A, 153.
Schuchert, C. 1910 A, 599.
Scott, W. B. 1913 A, 221, 592.
Sinclair, W. J. 1905 D, 134.
Trouessart, E. L. 1905 A, 809.

Weber and Abel 1928 A, xxii, 228.
Winge, H. 1915 A, 313.
1923 A, 341, 353.
Zittel and Schlosser 1911 A, 420.
1923 A, 504, 680.

Glyptotherium arizonæ Gidley.

Gidley, J. W. 1926 A, 91, pls. xl-xliv; text-fig. 4.
1922 B, 120, 127, pl. xxxv, fig. 11 (This genus?).
Hay, O. P. 1927 D, 3, 136, 137.
Lower Pleistocene; Arizona.

Glyptotherium texanum Osborn.

Osborn, H. F. 1903 B, 492, pl. xliii.
Gidley, J. W. 1902 A, 24 ("glyptodont").
1903 C, 619, 627.
Matthew, W. D. 1909 C, 120.
1921 G, 558, fig. ("Glyptotherium").
Merriam, J. C. 1917 A, 435.
Osborn, H. F. 1905 H, 223.
1905 I, 108, pl. xv.
1910 B, 365, figs. 169, 170.
Scott, W. B. 1905 B, 134.
Trouessart, E. L. 1905 A, 809.
Pliocene (Blanco); Texas.

Glyptotherium sp. indet.

Matthew, W. D. 1924 G, 631 (This genus?).
Pliocene; Texas.

HOPLOPHORIDÆ Huxley.

Huxley, T. H. 1864 B, 108.
Ameghino, F. 1891, Rev. Argent. Hist. Nat., entr. 4a, 251 (*Sclerocalyptus* to replace *Hoplophorus* supposed preoccupied).
Brown, B. 1912 C, 175, 176 (Sclerocalyptidæ).
Gill, T. 1886 A, 66 ("hoplophorines").
Trouessart, E. L. 1897 A, 129 (Sclerocalyptinæ).

Brachyostracon Brown, B. Type *B. cylindricus* Brown.

Brown, B. 1912 C, 169.
Anonymous 1921 C, 558, fig.
Gidley, J. W. 1926 A, 91.
Matthew, W. D. 1915 A, 262.
Zittel and Schlosser 1923 A, 504.

Brachyostracon cylindricus Brown, B.

Brown, B. 1912 C, 169, pls. xvi-xviii; text-figs. 2, 3.
Freudenberg, W. 1921 A, 140.
Pleistocene (Early); Mexico.

Brachyostracon mexicanus Cuatáparo and Ramirez.

Cuatáparo and Ramirez 1875 A, 362, pl. (Glyptodon).

Barcena, M. 1882 A, 20 ("gliptodon").
Brown, B. 1912 C, 168, 171, pls. xiii-xv.
Cope, E. D. 1884 G, 2 (Glyptodon sp. indet.).
Espinosa, L. 1902 A, 27, 2 pls. (Glyptodon clavipes).
Felix and Lenk 1891 A, 138 (Glyptodon).
Freudenberg, W. 1921 A, 140.
Gidley, J. W. 1926 A, 91.
Osborn, H. F. 1905 E, 931, 932 (Glyptodon).
Villada, M. M. 1903 A, 443, pl. i (Glyptodon).
Pleistocene (Early); Mexico.

Brachyostracon sp. indet.

Rath, G. 1886 A, 105 ("Glyptodon"). Pleistocene; Mexico.

Suborder Palæanodonta Matthew.

Matthew, W. D. 1918 H, 621.
1923 B, 109.
1928 A, 71.
Simpson, G. G. 1927 H, 294.
Weber and Abel 1928 A, 187, 237, 238.

METACHEIROMYIDÆ Wortman.

Wortman, J. L. 1903 A, xv, 411; xvi, 347.
Gregory, W. K. 1916 B, 261.
Matthew, W. D. 1909 C, 102.
1914 B, 387.
1918 H, 10, 62.
Matthew, W. D. 1921 D, 214.
Osborn, H. F. 1909 D, 97.
Palmer, T. S. 1904 A, 753, 903.
Schlosser, M. 1905 A, 331.

Metacheiromys Wortman. Type *M. marshi* Wortman.

Wortman, J. L. 1903 A, xvi, 347.
Abel, O. 1922 C, 291.
Ameghino, F. 1906 E, 234.
Haug, E. 1911 A, 1528.
Hubrecht, A. A. W. 1908 A, 161.
Matthew, W. D. 1906 B, 361.
1909 C, 102.
1909 D, 308, 547.
1915 A, 260.
1915 F, 431.
Matthew, W. D. 1915 G, 383.
1915 K, 470, figs. 37, 39.
1918 H, 620, 647, fig. 64.
1923 B, 109.
1928 A, 71.
1928 B, 965, 977.
Mead, C. S. 1906 A, 480.
Osborn, H. F. 1904 A, 164.
1905 H, 213.
1905 I, 99.

Osborn, H. F. 1909 D, 50, 52.
1910 B, 162, 163, 164, 541, fig. 61.
Palmer, T. S. 1904 A, 417, 903.
Scharff, R. F. 1909 A, 517, 518 ("armadillo").
1911 A, 244, 401.
Schlosser, M. 1905 A, 328.
1905 B, 125.
Scott, W. B. 1913 A, 269, 592, 616.
Simpson, G. G. 1927 H, 294.
Stehlin, H. G. 1916 B, 1502.
Weber and Abel 1928 A, 237, 238.
Woodward, A. S. 1910 C, 13.
Wortman, J. L. 1903 A, xv, 401.
Zittel and Schlosser 1911 A, 550 (Metachiromys).
1923 A, 505, 643, 667, 684 (Metachiromys).

Metacheiromys dasypus Osborn.

Osborn, H. F. 1904 A, 164.
Matthew, W. D. 1909 C, 97.
1918 H, 641.
Schlosser, M. 1905 B, 126.
Middle Eocene (Bridger); Wyoming.

Metacheiromys marshi Wortman.

Wortman, J. L. 1903 A, xvi, 347, figs. 105-109.
Abel, O. 1908 C, (38).
Matthew, W. D. 1909 C, 97.
1918 H, 641.
Schlosser, M. 1905 B, 126.
Middle Eocene (Bridger); Wyoming.

Metacheiromys tatusia Osborn.

Osborn, H. F. 1904 A, 165.
Abel, O. 1922 C, 291, fig. 245.
Matthew, W. D. 1909 C, 97.
1918 H, 641.
Osborn, H. F. 1910 B, 164, fig. 64.
Schlosser, M. 1905 B, 126.
Middle Eocene (Bridger); Wyoming.

Metacheiromys sp. indet.

Matthew, W. D. 1909 C, 97. Middle Eocene (Bridger); Wyoming.

PALÆANODON Matthew. Type *P. ignavus* Matthew.

Matthew, W. D. 1918 H, 621, 643, figs. 61, 62, 65.
Abel, O. 1922 C, 292.
Gregory, W. K. 1921 A, 69.
Matthew, W. D. 1915 A, 260, fig. 30 (No description).
1915 K, 470, fig. 37 (No description).
1923 B, 109.
1928 A, 71.
1928 B, 965, 977.
Weber and Abel 1928 A, 237, 238.

Palæanodon ignavus Matthew.

Matthew, W. D. 1918 H, 622, figs. 39-56, 61, 62, 65-68.
Abel, O. 1922 C, 292.
Gregory, W. K. 1921 A, 69.
Paleocene (Clarks Fork): Lower Eocene (Wasatch); Wyoming.

Palæanodon parvulus Matthew.

Matthew, W. D. 1918 H, 640, fig. 57.
Lower Eocene (Wasatch); Wyoming.

EPOICOTHERIIDÆ Simpson.

Simpson, G. G. 1927 H, 285.

EPOICOTHERIUM Simpson. Type *Xenotherium unicum* (Douglass).

Simpson, G. G. 1927 H, 285.
Unless otherwise indicated the authors, as cited, use the name *Xenotherium*.
Abel, O. 1914 A, 54.
Boulenger, G. A. 1918 B, 198.
Douglass, E. 1905 A, 204, 211 (Xenotherium; preoccupied by Ameghino, 1904).
Gregory, W. K. 1910 A, 258.
1912 C, 193.
Joleaud, L. 1919 A, 705.
Lydekker, R. 1907 E, 681.
1908 A, 506.
Matthew, W. D. 1906 A, 787.
1909 C, 110.
1910 A, 33.
1913 A, 308.
1915 A, 270.
1928 A, 70.
Osborn, H. F. 1910 B, 520.
Scharff, R. F. 1911 A, 246, 404.
Schlosser, M. 1911 A, 166.
Simpson, G. G. 1928 B, 182.
Weber and Abel 1928 A, 128.
Winge, H. 1917 A, 193.
Zdansky, O. 1926 A, 231.
Zittel and Schlosser 1911 A, 366.
1923 A, 444.

Epoicotherium unicum (Douglass).

Douglass, E. 1905 A, 204, pl. xxii, figs. 13-16 (Xenotherium, preoccupied).
Gregory, W. K. 1910 A, 258 (Xenotherium).
Lydekker, R. 1907 C, 451 (Xenotherium).
Matthew, W. D. 1909 C, 103 (Xenotherium).
Simpson, G. G. 1927 H, 285, pl. xxiv (Epoicotherium).
Weber and Abel 1928 A, 128, fig. 128 (Xenotherium).
Zdansky, O. 1926 A, 231, fig. 2 (Xenotherium).
Lower Oligocene (Titanotherium beds); Montana.

Order INSECTIVORA Latreille.

Latreille, P. A. 1825 A, 48.
Hay, O. P. 1902 A, 737.
Abel, O. 1901 B, 313 ("insectenfresser").
Abel, O. 1908 F, (234) ("insektivoren").
1912 F, 173, 294, 679.
1913 B, 710.

Abel, O. 1914 A, 50 ("insectivoren").
1919 A, 723.
1920 A, 419.
1921 A, 138 ("insectfresser").
Adloff, P. 1903 A, 370 ("insectivoren").
1910 B, 230.
1913 B, 190 ("insectivoren").
1916 A, 593.
1917 B, 350 ("insectivoren").
1920 A, 188 ("insectivoren").
Ärnbäck-Christie-Linde, A. 1907 A, 463.
1912 A, 620 ("insectivores").
Allis, E. P. 1919 D, 219.
Ameghino, F. 1889 A, 1016.
1905 C, 439.
1906 A, 389 ("insectivores").
Anderson, R. J. 1912 D, 252.
Anthony, R. 1912 A ("insectivoren").
Arldt, T. 1907 C, 676.
1907 D, 660.
1912 A, 686.
Bardeleben, K. 1885 B, 85 ("insectivoren").
1885 C, 150 ("insectivoren").
1889 B, 259.
1904 A, 111 ("insectivoren").
Bardenfleth, K. S. 1913 A, 87.
Bayer, F. 1897 A, 149.
Beddard, F. E. 1902 A, 508.
Behlen, H. 1906 A, 197 ("insectivoren").
Bertelli, D. 1909 A, 180 ("insettivori").
Beyer, H. 1908 A, 81 ("insektenfresser").
Black, N. 1900 A, 18.
Boas, J. E. V. 1914 B, 577 ("insectivoren").
Bonaparte, C. L. 1832 A, 285.
1833 A, 1043.
Brandt and Woldrich 1887 A, 18.
Broom, R. 1897 B, 252.
1902 D, 549.
1903 I, 549.
1911 C, 319.
1914 F, 296 ("insectivores").
1915 A, 162.
Carter, J. T. 1922 A, 603.
Carus, V. 1875 A, 86.
Carus and Engelmann 1861 A, 1300, 1753.
Case, E. C. 1899 B, 182.
Chandler, A. C. 1914 B, 134.
Chapman, H. C. 1904 A, 149.
Chardin, T. 1922 A, 16 ("insectivores").
Clark and Sonntag 1926 A, 454, 459 ("insectivores").
Cockerell, Miller and Prinz 1914 A, 350.
Cope, E. D. 1875 Y, 445, 447.
1885 BB, 72.
1891 N, 73, 90.
Coues, E. 1877 C, 631.
Cuvier, F. 1825 A, 68 ("insectivores").
Cuvier, G. 1825 A, IV, 258 ("insectivores").
Dana, J. D. 1863 C, 334 ("insectivores").
Dependorf, T. 1907 C, 109 ("insectivoren").
Depéret, C. 1905 C, 703 ("insectivores").
1908 A, 112.
Dobson, G. E. 1891 A, 349.
Doran, A. H. G. 1878 A, 432.
Earle, C. 1897 A, 570, 681.
1897 B, 312.
Eggeling, H. 1904 A, 94 ("insectivoren").
Elliot, D. G. 1901 A, 366.
Frassetto, F. 1915 A.
Frey, H. 1911 A, 395.
Fuchs, H. 1909 B, 142 ("insectivoren").
1914 A, 38 ("insectivoren").
1926 B, 2.
Gadow, H. 1913 A, 124 ("insectivores").
Gaupp, E. 1906 B, 850.
1911 B, 101.
1911 D, 621 ("insectivoren").
1912 B, 219 ("insectivoren").
1913 A, 63.
Gegenbaur, C. 1864 C, 182 ("insecter").
1888 A, 396 ("insectivoren").
Gervais, P. 1852 A, 10 ("insectivores").
1859 A, 51 ("insectivores").
Ghigi, A. 1900 B, 99 ("insettivori").
Giebel, C. G. 1883 A ("insectivoren").
Gill, T. 1886 B, 134.
Gottlieb, H. 1914 A, 185.
Gray, J. E. 1821 A, 299 (Insectivoræ).
Gregory, W. K. 1910 A, 518.
1910 C, 297.
1912 C, 192.
1916 A, 248 ("insectivores").
1920 A, 163, 239.
1921 A, 70, 171.
1922 A, 538.
1926 B, 415.
Gregory and Hellman 1926 A, 11 ("insectivores").
Gregory and Simpson 1920 A, 3.
Haeckel, E. 1868 A, 484.
1873 A, 544.
Hasse and Schwarck 1870 A, 89.
Heilprin, A. 1887 A, 345.
Hensel, R. 1879 A, 531 ("insectivoren").
Hertz, M. 1925 A ("insectivoren").
Hilzheimer, M. 1913 A, 521, 564.
Hoernes, R. 1886 A, 700.
Hogben, L. T. 1919 A, 76.
Howes, G. B. 1891 A, 153.
Hubrecht, A. A. W. 1897 A, 5, 40.
1908 A, 159.
Huxley, T. H. 1859 D, 435.
1863 E, 553.
1868 C, 314.
1870 F, 527, 537.
1879 A, 404.
1880 D, 452.
1880 E, 459.
Jacobi, A. 1921 A, 216.
Jaekel, O. 1911 A, 209 (Insectivori).
Kampfen, P. N. 1905 A ("insectivoren").
1922 A, 56.
Kaudern, W. 1910 A, 561 ("insectivoren").
Kingsley, J. S. 1925 A, 205, 294.
Köstlin, O. 1844 A ("insectivoren").
Koken, E. 1893 B, 374, 480, 517.
Kükenthal, W. 1913 A, 677.
Lankester, E. R. 1908 A, 324.
Lataste, F. 1887 A, 270 ("insectivores").
Leboucq, H. 1884 A, 73 ("insectivores").
Leche, W. 1887 A.
1900 A, 1007.
1902 A, 28.
1905 A, 578 ("insectivoren").
1907 A, 50.
Le Damany, P. 1903 G, 322 ("insectivores").

Leunis and Ludwig 1883 A, 206.
Lobley, J. L. 1908 A, 194.
Lubosch, W. 1911 A, 329 ("insectivoren").
1911 B, 744 ("insectivoren").
1914 A, 425 ("insectivoren").
Lull, R. S. 1906 B, 558.
1917 B, 308, 322, 338.
Lydekker, R. 1903 D, 101.
1910 F, 657.
Major, C. J. F. 1880 A, 40.
1899 B, 62.
1901 A, 150.
Martins, C. 1857 A ("insectivores").
Matthew, W. D. 1905 C, 298.
1905 D, 46.
1906 A, 787.
1907 B, 532 ("insectivores").
1909 C, 128.
1909 D, 298, 308, 334, 502-507, 551.
1910 I, 158.
1912 E, 256.
1913 A, 307.
1914 H, 351.
1915 A, 224.
1915 F, 465.
1915 K, 439, 444, 470.
1916 A, 480.
1916 I, 108.
1918 H, 565.
1918 I, 658.
1921 D, 212, 214.
1928 B, 948, 953, 965, 975.
Mead, C. S. 1906 A, 480.
Meunier, S. 1903 A, 776 ("insectivores").
Miller, G. S. 1912 A, 1.
1920 B, 190.
Mitchell, P. C. 1905 A, 490.
Mivart, St. G. 1868 A, 117.
Moodie, R. L. 1922 C, 348, 369.
Mysberg, W. A. 1917 A, 648.
Nopcsa, F. 1923 E, 1047.
Oehngren, S. 1919 A, 165.
O'Harra, C. C. 1910 A, 84, 126, 130.
Oken, L. 1823 A, 304 ("spitzmausartige thiere").
Osborn, H. F. 1898 U, 686.
1899 J, 415.
1902 E, 356, fig. 1.
1905 I, 99.
1905 N, 241 ("insectivores").
1907 G, 1, 12, 117, 225.
1909 D, 128.
1910 B, 619.
1925 B, 18.
Owen, R. 1857 E.
1858 A, 22.
1868 A, 886.
Palacký, J. 1902 B, 150 ("insectivoren").
1903 C, 342.
Pander and Alton 1831 A, 17 ("insectivoren").
Parker, W. K. 1888 C, 397 ("insectivores").
Parker and Haswell 1897 A, 517.
Peterson, O. A. 1912 B, 164.
Pictet, F. J. 1853 A, 168 ("insectivores").
Pocock, R. I. 1916 G, 549.
Puccioni, N. 1908 A, 41.
Rehs, J. 1914 A, 2, 103.
Retzius, A. 1849 A, 615.
Reynolds, S. H. 1897 A, 544.
Römer, F. 1907 A, 70 ("insektivoren").
Scharff, R. F. 1911 A, 142, 201, 399.
Schlosser, M. 1897 B, 18 ("insectivoren").
1898 B, 360.
1899 J, 353.
1901 F, 299.
1905 A, 324.
1910 A, 501 ("insectivoren").
1911 A, 147, 157 ("insectivoren").
Schmidt, O. 1886 A, 291.
Schwarz, E. 1924 A, 419.
Sclater, P. L. 1875 A, 209.
Scott, W. B. 1896 G, 308.
1905 B, 365.
1913 A, 268, 276, 683.
Seeley, H. G. 1878 A, 225.
Seydel, O. 1899 A, 517 ("insectivoren").
Simpson, G. G. 1928 C, 182 ("insectovores").
1928 J, 1, 8.
Sinclair, W. J. 1905 D, 365.
Smith, G. E. 1912 A, 425.
Steinmann, G. 1907 A, 469.
Stromer, E. 1902 B, 554, 560 ("insectivoren").
1912 A, 175, 243.
1916 A, 404.
Taschenberg, O. 1899 A, 4441.
Terra, P. 1911 A, 264.
Thacker, A. G. 1922 A, 603.
Tims, H. W. M. 1902 A, 321.
1905 B, 1785.
Todd, T. W. 1922 A, 268.
Tornier, G. 1891 A, 185 ("insectivoren").
Trouessart, E. L. 1904 A, 121.
Underhill, B. M. 1910 A, 76, 85.
Vallois, H. V. 1921 B, 975 ("insectivores").
Wagner, R. 1843 A, 12.
Wallace, A. R. 1876 A, I, 496; II, 186, 191, 541.
1894 A, 435.
Watson, D. M. S. 1916 A, 354.
Weber, M. 1904 A, 362.
Weber and Abel 1928 A, 89, 93, 111, 123, 888.
Weber and Burlet 1927 A.
Weidenreich, F. 1925 A, 39 ("insectivoren").
Wilder, B. 1872 B, 320.
Williston, S. W. 1912 E, 261.
Winge, H. 1896 A, 125 ("insectivores").
1917 A, 83-203.
1923 A, 116, 123, 183.
Woodward, A. S. 1895 F, 736.
Woodward, H. 1904 B, 163.
Woodward, M. F. 1894 B, 450.
Wortman, J. L. 1901 B, 325.
1902 A, XIII, 45.
1903 A, 430.
1920 A, 1.
1921 A, 184 ("insectivores").
Zaaijer, T. 1894 A, 339.
Zittel and Schlosser 1911 A, 364.
1923 A, 443.

Suborder LIPOTYPHLA Haeckel.

Haeckel, E. 1866, Gen. Morphol.
Carlsson, A. 1922 A, 231.
Carter, J. T. 1922 A, 603.
Clark and Sonntag 1926 A, 463.

Gill, T. 1886 B, 136 (Zalambdodonta).
Gregory, W. K. 1910 A, 464.
1912 C, 193.
Haeckel, E. 1868 A, 484.
Hilzheimer, M. 1913 A, 565.
Jaekel, O. 1911 A, 210.
Matthew, W. D. 1928 B, 950, 975 ("zalambdodonts").
Osborn, H. F. 1910 B, 519.
Simpson, G. G. 1928 J, 3, 8, 11 ("zalambdodont group").
Todd, T. W. 1922 A, 269 ("lipotyphlous").
Weber and Abel 1928 A, 97, 115, 117, 126.
Weber and Burlet 1927 A, xiii.
Winge, H. 1923 A, 183.

Superfamily PANTOLESTOIDÆ, new form.

Hay, O. P. 1902 A, 648 (Pantolestoidea).

Cope, E. D. 1891 N, 89 (Pantolestoidea).
A group of uncertain position.

PANTOLESTIDÆ.

Hay, O. P. 1902 A, 648.
Abel, O. 1913 B, 711.
1914 A, 52 ("pantolestiden").
1919 B, 727.
1922 C, 290.
Arldt, T. 1907 D, 671.
1912 A, 700.
Chardin, T. 1922 A, 55 ("pantolestidés").
Cope, E. D. 1891 N, 89.
Dollo, L. 1889 D, 681.
Gregory, W. K. 1912 C, 194.
Lydekker, R. 1910 F, 657.
Matthew, W. D. 1905 C, 298.
1909 C, 92, 93, 96, 101 (Pantolestidæ); 95 (Trigonolestidæ).
1909 D, 299, 508, 522.
Matthew, W. D. 1914 B, 387.
1918 H, 586, 590.
1921 D, 214.
Osborn, H. F. 1909 D, 45, 46, 52.
1910 B, 109, 125, 519 (Pantolestidæ); 127, 547 (Trigonolestidæ).
Palacký, J. 1903 B, 306, 307 ("pantolestiden").
Schlosser, M. 1899 I, 349 (Trigonolestidæ).
Scott, W. B. 1913 A, 361 (Trigonolestidæ).
Van Bemmelen, J. F. 1918 A, 571.
Van den Broeck, A. J. P. 1912 A, 784.
Weber, M. 1904 A, 664, 693.
Weber and Abel 1928 A, 125, 126.
Winge, H. 1923 A, 190.
Zittel and Schlosser 1911 A, 371.
1923 A, 449, 667.

PENTACODON Scott. Type *Chriacus inversus* Cope.

Hay, O. P. 1902 A, 745.
Granger, W. 1917 A, 825.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1905 C, 298.
1909 C, 101.
1909 D, 523.
1921 D, 212.
Osborn, H. F. 1909 D, 34.
Palmer, T. S. 1904 A, 521, 811.
Simpson, G. G. 1927 B, 3.

Pentacodon inversus (Cope).

Hay, O. P. 1902 A, 745.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 384.
Reeside, J. B. 1924 A, 41.
Simpson, G. G. 1928 A, 4, fig. 2. (This genus and species?).
Trouessart, E. L. 1904 A, 159.
Paleocene (Torrejon); New Mexico.

PROPALÆOSINOPA Simpson. Type *P. albertensis* Simpson.

Simpson, G. G. 1927 B, 2.

Propalæosinopa albertensis Simpson.

Simpson, G. G. 1927 B, 1, 2, figs. 2, 3.
Upper Cretaceous (Paskapoo); Alberta.

PALÆOSINOPA Matthew. Type *P. veterrima* Matthew.

Matthew, W. D. 1901 A, 6, 19, 20, 22.
Hay, O. P. 1902 A, 754.
Broom, R. 1909 C, 133.
Chardin, T. 1922 A, 55, 80, pl. iii.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1905 C, 298.
1909 C, 101.
1909 D, 464, 523.
1915 K, 421.
1918 H, 581, 586.
Osborn, H. F. 1907 G, 127, fig. 76.
1909 D, 45.
1910 B, 125, 519.
1912 G, 236, fig. 3.
Palmer, T. S. 1904 A, 504, 811.
Schlosser, M. 1911 A, 77.
Simpson, G. G. 1927 B, 3.
Simpson, G. G. 1928 A, 5, 9.
Trouessart, E. L. 1904 A, 170.
Weber and Abel 1928 A, 126.
Wortman, J. L. 1901 B, XII, 285.
1902 A, XIII, 433.
Zittel and Schlosser 1911 A, 371.
1923 A, 449, 666.

Palæosinopa didelphoides (Cope).

Hay, O. P. 1902 A, 739 (Ictops).
Douglass, E. 1905 A, 213 (Ictops?).
Matthew, W. D. 1901 A, 23 (Palæosinopa?).
1909 C, 93.
1918 H, 588, fig. 16.
Trouessart, E. L. 1904 A, 171.
Eocene (Wind River); Wyoming.

Palæosinopa lutreola Matthew.

Matthew, W. D. 1918 H, 589, figs. 17, 18.
Chardin, T. 1922 A, 82.
Lower Eocene (Wasatch); Wyoming.

Palæosinopa veterrima Matthew.

Matthew, W. D. 1901 A, 22, fig. 8.
Hay, O. P. 1902 A, 754.
Matthew, W. D. 1909 C, 93.
1918 H, 590, fig. 19.
Trouessart, E. L. 1904 A, 170.
Lower Eocene (Wasatch); Wyoming.

PANTOLESTES Cope. Type *P. longicaudus* Cope.

Cope, E. D. 1872 OO, 2.
Hay, O. P. 1902 A, 648 (Pantolestes); 740 (Anisacodon, Passalacodon).
Abel, O. 1913 B, 711.
1914 A, 52.
1922 C, 290.
Chardin, T. 1922 A, 55, 88.
Gregory, W. K. 1912 C, 194.
Haug, E. 1911 A, 1528.
Hilzheimer, M. 1913 A, 566.
Koken, E. 1893 B, 481.
Matthew, W. D. 1903 C, 229 (Anisacodon, Passalacodon).
1905 C, 298.
1909 C, 101 (Pantolestes, Anisacodon, Passalacodon).
1909 D, 523, 531, 533.
1918 H, 567, 586.
Osborn, H. F. 1898 V, 206.
1910 B, 161, 519.
Palacký, J. 1903 B, 307.
Palmer, T. S. 1904 A, 510, 927 (Pantolestes); 103, 870 (Anisacodon); 517, 870 (Passalacodon).
Schlosser, M. 1899 T, 453.
1901 D, 466.
1903 A, 292.
Seeley, H. G. 1886 A, 476.
Stehlin, H. G. 1906 A, 669.
Trouessart, E. L. 1905 A, 648.
Weber, M. 1904 A, 664, 693.
Weber and Abel 1928 A, 126, 354.
Winge, H. 1917 A, 175.
Wortman, J. L. 1903 A, xv, 431.
Zierler, F. E. 1905 A, 515.
Zittel and Schlosser 1911 A, 371.
1923 A, 449.

Pantolestes elegans (Marsh).

Hay, O. P. 1902 A, 740 (Anisacodon).
Matthew, W. D. 1909 C, 96 (Anisacodon).
1909 D, 532, 533, pl. xlix, fig. 2.
Middle Eocene (Bridger); Wyoming.

Pantolestes intermedius Matthew.

Matthew, W. D. 1909 D, 533, text-fig. 113.
Middle Eocene (Bridger); Wyoming.

Pantolestes longicaudus Cope.

Cope, E. D. 1872 OO, 2 (P. longieundus, *errore*).
Hay, O. P. 1902 A, 649 (P. longicaudus); 740 (Passalacodon litoralis).
Matthew, W. D. 1909 C, 96 (P. longicaudus, Passalacodon littoralis).
1909 D, 522, 532.
Osborn, H. F. 1902 C, 173.
Stehlin, H. G. 1906 A, 669.
Trouessart, E. L. 1905 A, 648 (P. longicaudatus).
Middle Eocene (Bridger); Wyoming.

Pantolestes natans Matthew.

Matthew, W. D. 1909 D, 533, pl. xlvii, fig. 3; text-figs. 106, 110, 112, 114-118.
Gregory, W. K. 1920 A, 165.
Middle Eocene (Bridger); Wyoming.

Pantolestes phocipes Matthew.

Matthew, W. D. 1909 D, 532, text-fig. 111.
Middle Eocene (Bridger); Wyoming.

Pantolestes sp. indet.

Matthew, W. D. 1909 C, 96. Middle Eocene (Bridger); Wyoming.

Superfamily TENRECOIDÆ, new name.

Unless otherwise indicated the authors, as quoted, use the name Centetoidea for this superfamily.
Dobson, G. E. 1883 A, 2.
Gill, T. 1872 B, 19.
1875 A, 102, 111.
1883 B, 120.
Gregory, W. K. 1910 A, 267.
1920 A, 165.
Leche, W. 1907 A, 146.
Schlosser, M. 1887 B, 89 (Centetoidea); 91 (Centetinæ).
Weber and Abel 1928 A, 114.

APTERNODONTIDÆ Matthew.

Matthew, W. D. in Osborn, H. F. 1910 B, 519.
Arldt, T. 1912 A, 704.
Matthew, W. D. 1910 A, 35 (Apternodontinæ).

APTERNODUS Matthew. Type *A. mediævus* Matthew.

Matthew, W. D. 1903 B, 202.
Broom, R. 1909 C, 133.
Gregory, W. K. 1910 A, 258.
1912 C, 193.
1916 A, 244, pl. i, F.
Gregory, W. K. 1922 A, 105, 107, 156, pl. v.
Haug, E. 1911 A, 1528.
Joleaud, L. 1919 A, 704.
Leche, W. 1907 A, 54.
Matthew, W. D. 1906 A, 787.

Matthew, W. D. 1909 C, 110.
1909 D, 543.
1909 E, 196.
1910 A, 33.
1913 A, 308, 311.
1928 A, 70.
Matthew and Granger 1924 B, 3.
Osborn, H. F. 1907 G, 121, fig. 70.
1910 B, 216, 519.
Palmer, T. S. 1904 A, 113, 871.
Scharff, R. F. 1911 A, 246.
Schlosser, M. 1911 A, 166.
Simpson, G. G. 1927 H, 283, 295.
Winge, H. 1917 A, 161.
Zdansky, O. 1926 A, 231.
Zittel and Schlosser 1911 A, 366.
1923 A, 445.

Apternodus mediævus Matthew.

Matthew, W. D. 1903 B, 202, fig. 2.
Granger, W. 1910 A, 241.
Gregory, W. K. 1910 A, 259.
Matthew, W. D. 1909 C, 103.
1909 D, 543, pl. li, fig. 2.
1910 A, 33, pl. vi.
Zdansky, O. 1926 A, 231, fig. 1.
Lower Oligocene (Titanotherium beds); Montana.

SOLENODONTIDÆ Dobson.

Dobson, G. E. 1883 A (1882), 87.
Allen, J. A. 1908 B, 505, pls. xxviii-xxxiii; text-figs. 1-9 (Solenodon).
Beddard, F. E. 1902 A, 513.
Brandt, J. F. 1833 B, 459, pls. i, ii (Solenodon).
Gregory, W. K. 1910 A, 240.
Leche, W. 1907 A, 5.
Palmer, T. S. 1904 A, 872.
Peters, W. 1864 B, 1, pls. i-iii (Solenodon).
Schlosser, M. 1887 B, 113.

MICROPTERNODUS Matthew.

Matthew, W. D. 1903 B, 204.
Broom, R. 1909 C, 133.
Gregory, W. K. 1910 A, 259.
Haug, E. 1911 A, 1528.
Joleaud, L. 1919 A, 704.
Leche, W. 1907 A, 54.
Matthew, W. D. 1909 C, 110.
1909 D, 543.
1913 A, 308.
1919 B, 174.
Osborn, H. F. 1907 G, 121, fig. 71.
Schlosser, M. 1911 A, 166.

Type *M. borealis* Matthew.

Zdansky, O. 1926 A, 236.
Zittel and Schlosser 1911 A, 366.
1923 A, 445.

Micropternodus borealis Matthew.

Matthew, W. D. 1903 B, 204, fig. 3.
1905 D, 49, fig. 23.
1909 C, 103.
1909 D, 543, pl. li, fig. 1.
Zittel and Schlosser 1911 A, 366, fig. 525.
Lower Oligocene (Titanotherium beds); Montana.

TENRECIDÆ Gray.

Gray, J. E. 1821 A.
Unless otherwise indicated the writers, as quoted, employ the name Centetidæ.
Abel, O. 1913 B, 711 ("centetiden").
Adloff, P. 1910 B, 253.
1916 A, 593.
Arldt, T. 1907 C, 676.
1907 D, 644.
Bardeleben, K. 1885 C, 150 (Centetes).
1889 B, 261 (Centetes).
Beddard, F. E. 1902 A, 511.
Broom, R. 1915 A, 351 (Centetes).
Carlsson, A. 1922 A, 236.
Carus, V. 1875 A, 89 (Centetina).
Cockerell, Miller, and Prinz 1914 A, 350.
Cuvier, F. 1808 A, 46, pl. iii ("tenrecs").
Dobson, G. E. 1883 A, 2, 67, 72.
Doran, A. H. G. 1878 A, 444.
Flower, W. H. 1883 D, 464.
Ghigi, A. 1900 B, 105 ("centetidi").
Gill, T. 1875 A, 111.
1883 B, 120.
1885 B, 20.
1886 B, 137.
Gregory, W. K. 1910 A, 236.
1920 A, 165.
Hertz, M. 1925 A, 579, fig. 39 (Centetes).
Hilzheimer, M. 1913 A, 565.
Jacobi, A. 1921 A, 203 (Centetes).
Kampfen, P. N. 1905 A (Centetes).
Köstlin, O. 1844 A (Centetes).
Kükenthal, W. 1913 A, 678.
Leche, W. 1887 A.
1900 A, 1011.
1904 A, 219.
1907 A.
1921 A, 6.
Leunis and Ludwig 1883 A, 207 (Cetetina).
Lobley, J. L. 1908 A, 194, 204.
Lubosch, W. 1911 A, 330.
Lydekker, R. 1914 A, 629.
Major, C. J. F. 1897 A, 525.
1899 A, 508.
Mathew, W. D. 1910 A, 35.
1913 A, 309, 313.
Matthew and Granger 1917 A, 323.
Mivart, St. G. 1868 A, 147.
Oehngren, S. 1919 A, 165.
Osborn, H. F. 1909 D, 52.
Palacký, J. 1903 C, 343 ("centetiden").
Pander and Alton 1831 A, 23, pl. ii (Centetes).
Palmer, T. S. 1904 A, 874 (Tenrecidæ).
Parker, W. K. 1886 A, 218, pl. xvi, figs. 13, 14; pls. xxxii-xxxvi.
Paulli, S. 1900 B, 486 (Centetes).
Rehs, J. 1914 A, 103.
Scharff, R. F. 1911 A, 246, 282.
1922 A, 66 (Centetes).
Schlosser, M. 1887 B, 89, 91, 109.
1901 F, 300.

Taschenberg, O. 1899 A, 4521 (Centetes).
Terra, P. 1911 A, 265 ("centetiden").
Tims, H. W. M. 1902 A, 335.
1905 B, 1786 (Centetes).
Trouessart, E. L. 1904 A, 153.
Van Bemmelen, J. F. 1914 A, 524.
Van den Broeck, A. J. P. 1912 A, 784.
Wagner, R. 1843 A (Centetes).
Wallace, A. R. 1876 A, I, 118; II, 188.
Weber and Abel 1928 A, 94, 97, 115, 117, 127.
Weber and Burlet 1927 A, 242, 260.
Winge, H. 1917 A, 93, 148, 189 (Centetini).
1923 A, 124, 170, 180, 184, 207, 214 (Centetidæ, Centetini, Solenodontini).
Woodward, M. F. 1896 A, 558, 589.
Wortman, J. L. 1920 A, 12.
Zittel and Schlosser 1911 A, 366.
1923 A, 444, 669.

PALÆORYCTES Matthew. Type *P. puercensis* Matthew.

Matthew, W. D. 1913 A, 309.
Gregory, W. K. 1916 A, 248.
1920 A, 240.
1922 A, 101, 102, 104, 513.
Gregory and Simpson 1920 A, 1.
Matthew, W. D. 1921 D, 212.
Simpson, G. G. 1928 J, 3, 4, 8 (Palæoryctes, Palæolestes).
Weber and Abel 1928 A, 90, 127.
Winge, H. 1917 A, 161.
Zittel and Schlosser 1923 A, 445.

Palæoryctes puercensis Matthew.

Matthew, W. D. 1913 A, 309, pls. lx, lxi; text-figs. 2, 3.
Abel, O. 1914 A, 54, fig. 27.
Gregory, W. K. 1920 A, 163.
1922 A, 102, fig. 43.
Lydekker, R. 1914 A, 629.
Matthew, W. D. 1914 B, 384.
Matthew and Granger 1921 A, 3 (Palæolestes).
Reeside, J. B. 1924 A, 41.
Simpson, G. G. 1928 J, 5, fig. 1.
Paleocene (Torrejon); New Mexico.

CENTRACODON Marsh. Type *C. delicatus* Marsh.

Hay, O. P. 1902 A, 740.
Matthew, W. D. 1909 C, 101.
1928 B, 975.
Palmer, T. S. 1904 A, 167, 871.
Troxell, E. L. 1923 F, 507.
Zittel and Schlosser 1911 A, 368 (Syn. of Entomacodon).
1923 A, 446 (Syn. of Entomacodon).

Centracodon delicatus Marsh.

Hay, O. P. 1902 A, 740.
Matthew, W. D. 1909 C, 96.
Middle Eocene (Bridger); Wyoming.

Superfamily CHRYSOCHLOROIDÆ, new form.

Unless otherwise indicated the authors, as quoted, use the form Chrysochloroidea.
Broom, R. 1915 A, 353.
1916 A, 458 (Chrysochloridea).
Dobson, G. E. 1883 A (1882), 2 (Chrysochloridea).
Gill, T. 1872 B, 19 (Chryschloridoidea).
1875 A, 102, 109, 112.
1883 B, 120.
1885 J, 120.
Gregory, W. K. 1910 A, 267.
Schlosser, M. 1887 B, 89 (Chrysochloridæ).

CHRYSOCHLORIDÆ Mivart.

Mivart, St. G. 1868 A, 150.
Abel, O. 1909 D, (221) (Chrysochloris).
1912 F, 364, 381, 666 (Chrysochloris).
1913 B, 714 ("chrysochloriden").
Adloff, P. 1910 B, 253.
1916 A, 594.
Ameghino, F. 1902 B, 11.
1906 A, 391.
Anderson, C. 1925 A, 18 (Chrysochloris).
Anthony, R. 1913 A, 261 (Chrysochloris).
Arldt, T. 1907 C, 676.
1907 D, 646.
1912 A, 704.
Bardenfleth, K. S. 1913 A, 75 (Chrysochloris).
Beddard, F. E. 1902 A, 514.
Bensley, B. A. 1902 A, 7, pl., fig. 7.
Broom, R. 1899 A, 762 (Chrysochloris).
1907 B, 283 ("golden moles").
1908 F, 14.
1909 C, 129 (Chrysochloris).
1910 B, 765 (Chrysochloris).
1915 A, 351 (Chrysochloris).
1916 A, 449, pls. i, ii; text-figs. 1-3 (Chrysochloris).
1917 A, 978 (Chrysochloris).
Carlsson, A. 1922 A, 236.
Cope, E. D. 1883 I, 80.
Cuvier, F. 1808 A, 49, pl. iii ("chrysoclore").
1825 A, 65, pl. xviii ("chrysochlores").
Diener, C. 1909 A, 55 (Chrysochloris).
Dobson, G. E. 1883 A, 2, 108.
Doran, A. H. G. 1878 A, 436.
Flower, W. H. 1883 D, 465.
Gervais, P. 1853 B, 44 ("chrysochlores").
Gidley, J. W. 1906 F, 93, pl. iv, fig. 6 (Chrysochloris).
Giebel, C. G. 1855 A, 16 (Chrysochloris).
1883 A, pls. lxii, xc (Chrysochloris).
Gill, T. 1875 A, 109, 112.
1883 B, 120.
1885 B, 20.
1886 B, 136.
Gottlieb, H. 1914 A, 209 (Chrysochloris).
Gregory, W. K. 1910 A, 255.

Gregory, W. K. 1912 C, 193 ("chrysochlorids").
1914 E, 525 (Chrysochloris).
1916 A, 244, pl. i (Chrysochloris).
1922 A, 107 (Chrysochloris).
Günther, A. 1876 A, 346.
Heilprin, A. 1887 A, 346.
Hertz, M. 1925 A, 545, 579, fig. 38 (Chrysochloris).
Hilzheimer, M. 1913 A, 564.
Kampfen, P. N. 1905 A, 442.
Köstlin, O. 1844 A (Chrysochloris).
Kükenthal, W. 1913 A, 678.
Leche, W. 1887 A (Chrysochloris).
1904 A, 220, figs. 1-3 (Chrysochloris).
1905 A, 577.
1907 A, 35, 57.
1912 A, 65, figs. 1, m (Chrysochloris).
Lobley, J. L. 1908 A, 204.
Major, C. J. F. 1897 A, 534.
1899 A, 498.
Matthew, W. D. 1906 A, 786.
1909 C, 103, 110, 112, 118.
1913 A, 313.
1915 K, fig. 17 ("golden moles").
1928 A, 71.
Meckel, J. F. 1825 A (Chrysochloris).
Osborn, H. F. 1907 G, 64, 81, 119-126, 227, figs. 42, 43, 69 (Chrysochloris).
1909 D, 75.
1910 B, 213, 520.
Owen, R. 1845 B, 412, pl. cx ("chrisochlore").
1868 A, 873, fig. 240 (Chrysochloris).
Palacký, J. 1903 C, 343 ("chrysochloriden").
Palmer, T. S. 1904 A, 188, 869.
Pander and Alton 1831 A, 17, pl. v (Chrysochloris).
Parsons, F. G. 1901 A, 26 (Chrysochloris).
Reynolds, S. H. 1897 A, 418, 440, 488 (Chrysochloris).
Scharff, R. F. 1911 A, 245.
Schlosser, M. 1887 B, 89, 137.
1911 A, 166 ("chrysochloriden").
Scott, W. B. 1905 B, 492 (Chrysochloris).
1928 B, 258.
Simpson, G. G. 1927 H, 284 (Chrysochloris).
Sinclair, W. J. 1905 D, 492.
Tims, H. W. M. 1903 A, 137 (Chrysochloris).
Trouessart, E. L. 1904 A, 154.
Van den Broeck, A. J. P. 1912 A, 784.
Wallace, A. R. 1876 A, II, 189.
Weber and Abel 1928 A, 94, 97, 118, 128.
Weber and Burlet 1927 A, fig. 45 (Chrysochloris).
Winge, H. 1917 A, 93, 160 (Chrysochloridini).
1923 A, 124, 180, 184 (Chrysochloridini).
Woodward, M. F. 1896 A, 558, 589 (Chrysochloris).
Wortman, J. L. 1921 A, 180 (Chrysochloris).
Zdansky, O. 1926 A, 232, fig. 2 (Chrysochloris).
Zittel and Schlosser 1911 A, 366.
1923 A, 444, 670.

ARCTORYCTES Matthew. Type *A. terrenus* Matthew.

Matthew, W. D. 1907 A, 172.
1909 C, 118.
1913 A, 308.
1928 A, 71.
Osborn, H. F. 1909 D, 75.
1910 B, 287, 520.
1912 G, 249.
Scharff, R. F. 1911 A, 246, 404.
Simpson, G. G. 1927 H, 295.
Winge, H. 1917 A, 193.

Arctoryctes terrenus Matthew.

Matthew, W. D. 1907 A, 172.
1906 A, 787 ("chrysochlorid").
1909 C, 112.
1928 A, 71.
Gregory, W. K. 1910 A, 258.
O'Harra, C. C. 1910 A, 85.
Miocene; South Dakota.

Superfamily ERINACEOIDÆ, new form.

Unless otherwise indicated the authors, as quoted, use the form Erinaceoidea.
Dobson, G. E. 1883 A, 2.
Gill, T. 1872 B, 18.
1875 A, 109.
1883 J, 119.
Gregory, W. K. 1910 A, 266 (Erinaceoidea); 464 (Erinaceomorpha).
Leche, W. 1907 A, 146.
Osborn, H. F. 1910 B, 520 (Erinaceoidea, Erinaceomorpha).
Schlosser, M. 1887 B, 89 (Erinaceoidea); 91 (Erinaceinæ).
Weber and Abel 1928 A, 115, 118, 119.

LEPTICTIDÆ.

Hay, O. P. 1902 A, 738.
Abel, O. 1913 B, 710.
1914 A, 50.
1922 C, 289 ("leptictiden").
Ameghino, F. 1902 B, 11 (Ictopsidæ).
Arldt, T. 1907 D, 660 (Ictopsidæ).
1912 A, 704 (Ictopsidæ).
Cope, E. D. 1880 U, 151, 152, 156.
Douglass, E. 1905 A, 209.
Gregory, W. K. 1910 A, 260.
Hilzheimer, M. 1913 A, 565.
Leche, W. 1907 A, 47, 49, 54, 145.
Lydekker, R. 1910 F, 657.
Matthew, W. D. 1901 B, 370, 375.
1903 C, 227.
1905 D, 47.
1909 C, 93, 96, 101, 103, 105, 110.
1909 D, 299, 507, 534.
1910 A, 36.
1914 B, 387.
1918 H, 567, 571, 606.
1921 D, 214.
1928 B, 965.
Matthew and Granger 1924 A, 1.

Matthew and Granger 1925 A, 7, 12.
1925 B, 3.
Osborn, H. F. 1909 D, 128.
1910 B, 125, 213, 520.
Moodie, R. L. 1922 C, 348.
Palacký, J. 1903 C, 343 ("ictophiden"); 344 ("lepticiden").
Simpson, G. G. 1927 F, 122, 128.
Simpson, G. G. 1928 J, 3.
Weber, M. 1904 A, 381.
Weber and Abel 1928 A, 125, 127.
Winge, H. 1917 A, 91, 97, 178 (Leptictididæ).
1923 A, 123, 128, 194, 212 (Leptictididæ).
Woodward, A. S. 1898 B, 403.
Zittel and Schlosser 1911 A, 366.
1923 A, 445, 667, 670.

LEPTICTINÆ Matthew.

Matthew, W. D. 1918 H, 571.

Ictops Leidy. Type *I. dakotensis* Leidy.

Hay, O. P. 1902 A, 658 (Nanohyus); 739 (Ictops).
Douglass, E. 1905 A, 210, 211, 212.
1909 C, 283, 285.
Edinger, T. 1928 A, 383.
Gregory, W. K. 1910 A, 238, 260.
Haug, E. 1911 A, 1528.
Hertz, M. 1925 A, 579.
Hilzheimer, M. 1913 A, 564.
Lambe, L. M. 1905 D, 369A.
Leche, W. 1902 A, 41.
1907 A, 47, 54.
1912 A, 82.
Lobley, J. L. 1908 A, 211.
Matthew, W. D. 1901 B, 369.
1903 C, 229.
1909 C, 110.
1909 D, 535.
1913 A, 311.
1915 K, 420.
1918 H, 571, 606.
1928 B, 975.
Osborn, H. F. 1907 G, 118, figs. 66, 67.
Palacký, J. 1903 B, 312 (Nanohyus).
1903 C, 343.
Palmer, T. S. 1904 A, 348, 871 (Ictops); 447, 929 (Nanohyus).
Schlosser, M. 1905 A, 327.
1911 A, 166.
Seeley, H. G. 1886 A, 418.
Wallace, A. R. 1876 A, 1, 133 (Ictops); 137 (Nanohyus).
Weber, M. 1904 A, 381 (Ictidops).
Weber and Abel 1928 A, 126.
Winge, H. 1917 A, 91, 98.
1923 A, 128, 212, 215, 216 (Ictidops).
Zittel and Schlosser 1911 A, 367.
1923 A, 445.

Ictops acutidens Douglass.

Douglass, E. 1901 B, 242, 245, 279.
1903 A, 149.
1905 A, 213, 222, pl. xxii, figs. 7, 21, 22, 31-34.
Gregory, W. K. 1910 A, 260.
Leche, W. 1907 A, 47.
Matthew, W. D. 1903 B, 205, fig. 4.
1905 D, 47, fig. 22.
1909 C, 103.
Moodie, R. L. 1922 C, 348.
Trouessart, E. L. 1904 A, 155.
Winge, H. 1923 A, 216 (Ictidops).
Oligocene (White River); Montana.

Ictops bullatus Matthew.

Hay, O. P. 1902 A, 739.
Cook, H. J. 1912 D, 36.
Matthew, W. D. 1909 C, 105.
O'Harra, C. C. 1910 A, 85, 126.
1920 A, 151.
Trouessart, E. L. 1904 A, 155.
Middle Oligocene (Brule); Nebraska.

Ictops dakotensis Leidy.

Hay, O. P. 1902 A, 739.
Cook, H. J. 1912 D, 36.
Douglass, E. 1905 A, 212.
Gregory, W. K. 1920 A, 240.
Leche, W. 1915 A, 357, fig. 124.
Matthew, W. D. 1909 C, 105.
O'Harra, C. C. 1910 A, 85, 126.
Sinclair, W. J. 1924 A, 101, 119.
Trouessart, E. L. 1904 A, 155.
Middle Oligocene (Brule); Dakota, Nebraska.

Ictops intermedius Douglass.

Douglass, E. 1905 A, 217, 222, pl. xxii, figs. 6, 10-12.
Matthew, W. D. 1909 C, 103.
Lower Oligocene (Titanotherium beds); Montana.

Ictops major Douglass.

Douglass, E. 1905 A, 220, 222, pl. xxii, figs. 8, 9, 19, 24-30.
Gregory, W. K. 1910 A, 260.
Matthew, W. D. 1909 C, 103.
Lower Oligocene (Titanotherium beds); Montana.

Ictops montanus Douglass.

Douglass, E. 1905 A, 214, 222, pl. xxii, figs. 1-4.
Matthew, W. D. 1909 C, 103.
Lower Oligocene (Titanotherium beds); Montana.

Ictops porcinus (Leidy).

Hay, O. P. 1902 A, 658 (Nanohyus).
Cook, H. J. 1912 D, 36.
Matthew, W. D. 1909 C, 105.
Trouessart, E. L. 1905 A, 657 (Nanohyus).
Middle Oligocene (Brule); Nebraska.

Ictops tenuis Douglass.

Douglass, E. 1905 A, 218, 222, pl. xxii, figs. 5, 17, 18, 20, 23.

Matthew, W. D. 1909 C, 103.
Lower Oligocene (Titanotherium beds); Montana.

Ictops thomsoni Matthew.

Matthew, W. D. 1903 B, 207, fig. 5.
Douglass, E. 1905 A, 214 (I. thompsoni).
Gregory, W. K. 1910 A, 238, 260, fig. 17.
Leche, W. 1915 A, 357.
Matthew, W. D. 1909 C, 103.
Lower Oligocene (Titanotherium beds); Montana.

Mesodectes Cope. Type *M. caniculus* Cope.

Hay, O. P. 1902 A, 739.
Edinger, T. 1928 A, 384.
Haug, E. 1911 A, 1528.
Lambe, L. M. 1905 D, 369 A.
Leche, W. 1902 A, 41.
1912 A, 82.
Matthew, W. D. 1903 C, 229.
1909 C, 110.
1909 D, 535.
1918 H, 571.
1928 B, 975.
Palmer, T. S. 1904 A, 414, 871.
Seeley, H. G. 1886 A, 514.
Wallace, A. R. 1876 A, I, 133 (Isacis).

Mesodectes caniculus Cope.

Hay, O. P. 1902 A, 739.
Matthew, W. D. 1901 B, 357.
1909 C, 105.
Trouessart, E. L. 1904 A, 156.
Middle Oligocene; Colorado.

Leptictis Leidy. Type *L. haydeni* Leidy.

Hay, O. P. 1902 A, 739.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 348.
Hilzheimer, M. 1913 A, 566.
Leche, W. 1902 A, 41.
1912 A, 82.
Lobley, J. L. 1908 A, 211.
Matthew, W. D. 1903 C, 229.
1909 C, 110.
1909 D, 535.
1918 H, 571.
1928 B, 975.
Osborn, H. F. 1910 B, 520.
Schlosser, M. 1905 A, 327.
Simpson, G. G. 1928 J, 3.
Weber, M. 1904 A, 381.
Weber and Abel 1928 A, 126.
Winge, H. 1917 A, 91, 98.
1923 A, 129, 212, 215, 216.
Zittel and Schlosser 1911 A, 367.
1923 A, 445.

Leptictis haydeni Leidy.

Hay, O. P. 1902 A, 739.
Cook, H. J. 1912 D, 36.
Matthew, W. D. 1909 C, 105.
O'Harra, C. C. 1910 A, 85, 126.
Zittel and Schlosser 1923 A, 445, fig. 563.
Middle Oligocene (Brule); Nebraska, South Dakota.

Diacodon Cope. Type *D. alticuspis* Cope.

Hay, O. P. 1902 A, 739 (Palæictops); 740 (Diacodon).
Granger, W. 1910 A, 250 (Palæictops).
Haug, E. 1911 A, 1528 (Palæictops, Diacodon).
Leche, W. 1912 A, 82 (Palæictops).
Matthew, W. D. 1903 C, 229 (Palæictops).
1909 C, 101 (Palæictops, Diacodon).
1909 D, 535 (Palæictops).
1915 K, 420.
1918 H, 571, 581 (Diacodon; subgenus Palæolestes).
1928 B, 975.
Osborn, H. F. 1909 D, 38, 45, 46 (Palæictops).
1910 B, 125.
1912 G, 236, fig. 3 (Palæictops).
Palacký, J. 1903 C, 342.
Palmer, T. S. 1904 A, 224, 871 (Diacodon); 498, 871 (Palæictops).
Simpson, G. G. 1928 J, 5, fig. 1.
Winge, H. 1917 A, 98 (Palæictops).
Zittel and Schlosser 1911 A, 367 (Palæictops).
1923 A, 445, 666 (Palæictops).
Trouessart, E. L. 1904 A, 156 (Palæictops).

Diacodon alticuspis Cope.

Hay, O. P. 1902 A, 740.
Matthew, W. D. 1909 C, 93.
1918 H, 572, figs. 1, 2.
Merrill, G. P. 1907 A, 32.
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); New Mexico: (Wind River); Wyoming.

Diacodon bicuspis (Cope).

Hay, O. P. 1902 A, 739 (Palæictops).
Chardin, T. 1922 A, 91.
Matthew, W. D. 1909 C, 93 (Palæictops).
1913 A, 311, fig. 4 (Palæictops).
1918 H, 572, 574, figs. 3-5 (Diacodon).
1928 B, 961, fig. 8.
Trouessart, E. L. 1904 A, 156 (Palæictops).
Lower Eocene (Wasatch?, Wind River); Wyoming: (Wasatch) New Mexico.

Diacodon puercensis Matthew.

Matthew, W. D. 1918 H, 576, figs. 6-9 [D. (Palæolestes)].
Paleocene (Torrejon); New Mexico.

PARICTOPS Granger. Type *P. multicuspis* Granger.

Granger, W. 1910 A, 250.
Matthew, W. D. 1918 H, 571, 579.
Osborn, H. F. 1912 G, 236, fig. 3.

Parictops multicuspis Granger.

Granger, W. 1910 A, 250, fig. 6.
Matthew, W. D. 1918 H, 579.
Eocene (Wind River); Wyoming.

LEPTACODON Matthew and Granger. Type *L. tener* Matthew and Granger.

Matthew and Granger 1921 A, 2.

Leptacodon tener Matthew and Granger.

Matthew and Granger 1921 A, 2.
Reeside, J. B. 1924 A, 47.
Paleocene (Tiffany); Colorado.

XENACODON Matthew and Granger. Type *X. mutilatus* Matthew and Granger.

Matthew and Granger 1921 A, 3.

Xenacodon mutilatus Matthew and Granger.

Matthew and Granger 1921 A, 3.
Reeside, J. B. 1924 A, 47.
Paleocene (Tiffany); Colorado.

ACMEODON Matthew and Granger. Type *A. secans* Matthew and Granger.

Matthew and Granger 1921 A, 3.
Simpson, G. G. 1928 J, 3.
Winge, H. 1923 A, 195 (Acmodon).

Acmeodon secans Matthew and Granger.

Matthew and Granger 1921 A, 3.
Paleocene (Torrejon); New Mexico.

GYPSONICTOPS Simpson. Type *G. hypoconus* Simpson.

Simpson, G. G. 1927 A, 6.
1927 F, 128.

Gypsonictops hypoconus Simpson.

Simpson, G. G. 1927 A, 6, fig. 6.
1927 F, 122.
Upper Cretaceous (Hell Creek); Montana.

DIDELPHODONTINÆ Matthew.

Matthew, W. D. 1918 H, 571.

DIDELPHODUS Cope. Type *Deltatherium absarokæ* Cope.

Hay, O. P. 1902 A, 753.
Bardenfleth, K. S. 1913 A, 76.
Gregory, W. K. 1922 A, 534, pl. v.
1926 B, 408, 415, fig. 1.
Gregory and Simpson 1920 A, 1, 6.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1901 A, 6, 19, 20.
1909 C, 101.
1909 D, 465.
1913 A, 311.
1918 H, 571, 579.
Osborn, H. F. 1909 D, 49.
1910 B, 125, 133.
Palmer, T. S. 1904 A, 230, 811.
Seeley, H. G. 1886 A, 418.
Simpson, G. G. 1928 J, 7.
Wortman, J. L. 1901 B, XII, 285.
1902 A, XIII, 433.

Didelphodus absarokæ Cope.

Hay, O. P. 1902 A, 753.
Gregory, W. K. 1916 A, 244, pl. i, H.
1922 A, 108, figs. 45, 47.
Matthew, W. D. 1909 C, 93.
1913 A, 311, fig. 5.
1918 H, 582, figs. 11-13.
Simpson, G. G. 1928 J, 5, fig. 1.
Lower Eocene (Wasatch); Wyoming.

Didelphodus absarokæ secundus Matthew.

Matthew, W. D. 1918 H, 584, fig. 14.
Lower Eocene (Wasatch); Wyoming.

Didelphodus absarokæ ventanus Matthew.

Matthew, W. D. 1918 H, 585, fig. 15.
Lower Eocene (Wind River); Wyoming.

MYRMECOBOIDES Gidley. Type *M. montanensis* Gidley.

Gidley, J. W. 1915 A, 395.
Longman, H. A. 1924 A, 6.
Matthew, W. D. 1916 I, 110.
1928 B, 957.
Winge, H. 1923 A, 100 (Myrmecobioides).

Zittel and Schlosser 1923 A, 438.

Myrmecoboides montanensis Gidley.

Gidley, J. W. 1915 A, 395, pl. xxiii.
Paleocene (Fort Union); Montana.

PHENACOPS Matthew. Type *P. incerta* Matthew.

Matthew, W. D. 1909 D, 303, 535.
1918 H, 571.
Winge, H. 1923 A, 194.

Phenacops incerta Matthew.

Matthew, W. D. 1909 D, 535, pl. xlix, fig. 1.
Middle Eocene (Bridger); Wyoming.

ERINACEIDÆ Bonaparte.

Bonaparte, C. L. 1838 A, 113.
Abel, O. 1914 A, 50.
Adloff, P. 1910 B, 250.
Ameghino, F. 1902 B, 11.
1905 C, 452, fig. 57 (Erinaceus).
1906 C, 45 ("érinacéidés").
Anthony, R. 1912 A.
Arldt, T. 1912 A, 704.
Aymard, A. 1850 A, 107 ("hérisson").
Baur, G. 1894 B, 350 (Erinaceus).
Bertelli, D. 1909 A, 180 (Erinaceus).
Beyer, H. 1908 A, 84, fig. 20 (Erinaceus).
Bolk, L. 1921 C, 228 (Erinaceus).
Brandt and Woldrich 1887 A, 18 (Erinacei).
Bronn, H. G. 1849 A, 724 (Erinaceus).
Broom, R. 1909 C, 133 (Erinaceus).
Burlet, H. M. 1913 B, 394 (Erinaceus).
Carlsson, A. 1922 A, 227.
Carus, V. 1875 A, 88 (Erinacei).
Cuvier, F. 1808 A, 44 ("hérissons").
1825 A, 66, pl. xvi ("hérissons").
Cuvier, G. 1805 A ("hérissons").
Denker, A. 1901 A, 643 (Erinaceus).
Dependorf, T. 1898 A, 384 (Erinaceus).
Depéret, C. 1908 A, 306.
Dietrich, K. 1841 A, 74 (Erinaceus).
Dobson, G. E. 1883 A, 2, 6.
Doran, A. H. G. 1878 A, 438, 444 ("hedgehogs").
Earl, C. 1897 A, 571 (Erinaceus).
Eggeling, H. 1904 A, 95 (Erinaceus).
Fawcett, E. 1918 A, 211, pls. i-ix, xi, xvi-xviii; text-figs. 1-15 (Erinaceus).
Flower, W. H. 1883 D, 402.
Flower and Lydekker 1891 A, 618.
Frey, H. 1911 A, 396 (Erinaceus).
Fuchs, H. 1906 A, 27 (Erinaceus).
1912 C, 519.
1912 D, 141 (Erinaceus).
Gegenbaur, C. 1865 C, 554, fig. 7 (Erinaceus).
Gervais, P. 1852 A, 11 ("Erinaceus").
1859 A, 52 ("érinacéides").
Giebel, C. G. 1883 A, pl. x (Erinaceus).
Gill, T. 1875 A, 102, 108.
1883 B, 119.
1886 B, 143.
Gray, J. E. 1821 A, 300 (Erinacidæ).
Gregory, W. K. 1910 A, 260.
1913 E, 8, fig. 5 (Erinaceus).
1920 A, 163, 208.
1921 A, 173, fig. 65 (Erinaceus).
Hasse and Schwarck 1870 A, 93, fig. 26 (Erinaceus).
Hilzheimer, M. 1913 A, 564.
Hoernes, R. 1886 A, 701.
Hogben, L. T. 1919 A, 76.
Hommes, J. H. 1924 A, 23, figs. 20, 38 (Erinaceus).
Hubrecht, A. A. W. 1897 A, 5, 20, 22 (Erinaceus).
Kampfen, P. N. 1905 A (Erinaceus).
Kingsley, J. S. 1925 A, 190, fig. 201 (Erinaceus).
Köstlin, O. 1844 A, (Erinaceus).
Lataste, F. 1887 A, 271 ("hérissons").
Leboucq, H. 1884 A, 73 (Erinaceus).
Leche, W. 1887 A.
1895 A, 11 (Erinaceus).
1900 A, 992, pls. cx, cxi; text-figs. 84, 85, 88, 89, 92, 94, 95-97.
1902 A.
1903 A, 511.
1905 A, 578.
1907 A, 48, 120, 146.
1921 A, 4.
Leunis and Ludwig 1883 A, 207 (Erinacei).
Lobley, J. L. 1908 A, 200, 204.
Lubosch, W. 1911 A, 330.
Major, C. J. F. 1899 A, 502 (Erinaceus).
Matthew, W. D. 1903 C, 227.
1905 D, 48.
1909 C, 105, 110.
1915 A, 225 ("hedgehogs").
1915 K, fig. 17 ("hedgehogs").
1928 B, 975.
Meckel, J. F. 1825 A (Erinaceus).
Michelsson, G. 1922 A, figs. 1-4 (Erinaceus).
Miller, G. S. 1912 A, 114.
Mivart, St. G. 1868 A, 146.
Mysberg, W. A. 1917 A, 649, fig. 3 (Erinaceus).
Oken, L. 1823 A, 306 (Erinaceus).
Osborn, H. F. 1905 I, 103.
1909 D, 52.
1910 B, 149, 221, 520.
Owen, R. 1845 B, 419.
1866 B, 296, 300.
Palacký, J. 1903 C, 343, 345 ("erinaceiden").
Pander and Alton 1831 A, 17, pl. iii (Erinaceus).
Parker, W. K. 1886 A, pl. xvi, figs. 8, 9; pls. xvii-xxii (Erinaceus).
Paulli, S. 1900 B, 484, figs. 1-3 (Erinaceous).
Pictet, F. J. 1853 A, 170, pl. l, figs. 4-6 ("hérissons").
Rehs, J. 1914 A, 103.
Retzius, A. 1849 A, 615, figs. 3, 4 (Erinaceus).
Roger, O. 1896 A, 27.
Scharff, R. F. 1895 A, 471.
Schlosser, M. 1887 B, 89, 91, 93.
1897 B, 17 (Erinaceus).
1898 D, 123 (Erinaceus).
1899 J, 353, 355 (Erinaceus).
1901 F, 299 ("erinaceiden").
Stehlin, H. G. 1916 B, 1537 ("erinaceiden").
Stromer, E. 1902 B, 554 (Erinaceus).
Taschenberg, O. 1899 A, 4566 (Erinaceus).
Terra, P. 1911 A, 266.
Thomas, O. 1918 A, 193 ("hedgehogs").
Trouessart, E. L. 1904 A, 126.
Van Bemmelen, J. F. 1901 A, 755 (Erinaceus).

Van den Broeck, A. J. P. 1912 A, 784 (Erinacæidæ).
Veith, A. 1912 A, 16 (Erinaceus).
Vicq-d'Azyr, F. 1792 A, 597 ("épineux").
Wallace, A. R. 1876 A, II, 187.
1894 A, 435.
Weber, M. 1904 A, 377, 379.
Weber and Abel 1928 A, 115, 119, 125.
Weber and Burlet 1927 A, fig. 196 (Erinaceus).
Winge, H. 1917 A, 93, 141, 189.
1923 A, 124, 165, 170, 184, 205, 214 (Erinaceidæ, Erinaceini).
Woodward, M. F. 1896 A, 558 (Erinaceus).
Wortman, J. L. 1921 A, 180 (Erinaceus).
Zittel and Schlosser 1911 A, 369.
1923 A, 447.

ERINACEINÆ Gill.

Gill, T. 1872 B, 18.
Dobson, G. E. 1883 A, 2, 6.
Gill, T. 1875 A, 109.
1886 B, 143.
Fuchs, H. 1912 C, 519.
Leche, W. 1902 A.
Leche, W. 1903 A, 513 (Erinaceini).
1921 A, 4 (Erinaceini).
Matthew, W. D. 1903 C, 227.
Trouessart, E. L. 1904 A, 127.
Zittel and Schlosser 1911 A, 369.
1923 A, 447.

PROTERIX Matthew. Type *P. loomisi* Matthew.

Matthew, W. D. 1903 C, 228, 229.
Gregory, W. K. 1910 A, 260.
1912 C, 194.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1905 D, 48.
1909 C, 110.
1915 A, 226.
Osborn, H. F. 1905 I, 103.
1907 G, 118, fig. 64.
1909 D, 63.
1910 B, 221, 520.
Palmer, T. S. 1904 A, 579, 870.
Winge, H. 1917 H, 146.
1923 A, 168, 182.
Zittel and Schlosser 1911 A, 369.
1923 A, 447.

Proterix loomisi Matthew.

Matthew, W. D. 1903 C, 228, fig. 1.
Cook, H. J. 1912 D, 36.
Gregory, W. K. 1920 A, 163, fig. 105.
Matthew, W. D. 1909 C, 105.
O'Harra, C. C. 1910 A, 85, 126.
Trouessart, E. L. 1904 A, 126.
Middle Oligocene (Brule); Nebraska.

Superfamily SORICOIDÆ, new form.

Dobson, G. E. 1883 A, 2 (Soricoidea).
Gill, T. 1872 B, 18 (Soricoidea).
1875 A, 102, 110 (Soricoidea).
1883 B, 119 (Soricoidea).
Gregory, W. K. 1910 A, 465 (Soricomorpha).
Hilzheimer, M. 1913 A, 565 (Soricoidea).
Leche, W. 1907 A, 146 (Soricoidea).
Matthew and Granger 1924 A, 2, 3 (Soricoidea).
Schlosser, M. 1887 A, 89 (Soricoidea); 91 (Soricinæ).
Weber and Abel 1928 A, 115, 120 (Soricoidea).
Weber and Burlet 1927 A, xiii (Soricoidea).

NYCTITHERIIDÆ Simpson.

Simpson, G. G. 1928 A, 3.

NYCTITHERIUM Marsh. Type *N. velox* Marsh.

Hay, O. P. 1902 A, 738 (Talpavus); 742 (Nyctitherium, Nyctilestes).
Abel, O. 1913 B, 710.
Gill, T. 1886 B, 158 (Talpavus).
Haug, E. 1911 A, 1528 (Nyctitherium, Talpavus, Nyctilestes).
Heilprin, A. 1877 A, 348 (Talpavus).
Matthew, W. D. 1909 C, 101 (Talpavus, Nyctitherium, Nyctilestes).
1909 D, 537.
1917 B, 569 (Nyctitherium, Nyctilestes).
1918 H, 603.
Palacký, J. 1902 D, 2.
Palmer, T. S. 1904 A, 467, 808 (Nyctitherium); 466, 807 (Nyctilestes); 660, 874 (Talpavus).
Revilliod, P. 1917 A, 194.
Trouessart, E. L. 1904 A, 76.
Weber, M. 1904 A, 382 (Talpavus).
Weber and Abel 1928 A, 127.
Zittel and Schlosser 1911 A, 367.
1923 A, 446.
This genus may belong to the Chiroptera.

Nyctitherium celatus (Cope).

Hay, O. P. 1902 A, 740 (Diacodon).
Matthew, W. D. 1909 C, 93 (Diacodon).
1918 H, 572, 604, figs. 33, 34.
Merrill, G. P. 1907 A, 32 (Diacodon).
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); New Mexico, Wyoming.

Nyctitherium curtidens Matthew.

Matthew, W. D. 1909 D, 539, pl. I, fig. 5.
Middle Eocene (Bridger); Wyoming.

Nyctitherium nitidum (Marsh).

Hay, O. P. 1902 A, 738 (Talpavus).
Matthew, W. D. 1909 C, 96 (Talpavus).
1909 D, 538, pl. I, figs. 6, 7.
Palacký, J. 1903 C, 343, 348 (Talpavus).
Middle Eocene (Bridger); Wyoming.

Nyctitherium priscum Marsh.

Hay, O. P. 1902 A, 742.
Matthew, W. D. 1909 C, 96.
1909 D, 539.
Middle Eocene (Bridger); Wyoming.

Nyctitherium serotinum (Marsh).

Hay, O. P. 1902 A, 742 (Nyctilestes).
Matthew, W. D. 1909 C, 96 (Nyctilestes).
Matthew, W. D. 1909 D, 539.
Palacký, J. 1902 D, 2 (Vesperugo).
Middle Eocene (Bridger); Wyoming.

Nyctitherium velox Marsh.

Hay, O. P. 1902 A, 742.
Matthew, W. D. 1909 C, 96.
1909 D, 538, pl. 1, fig. 8.
Middle Eocene (Bridger); Wyoming.

PROTENTOMODON Simpson. Type *P. ursirivalis* Simpson.

Simpson, G. G. 1928 A, 3.

Protentomodon ursirivalis Simpson.

Simpson, G. G. 1928 A, 3, fig. 1.
Upper Cretaceous (Fort Union); Montana.

ENTOMACODON Marsh. Type *E. minutus* Marsh.

Hay, O. P. 1902 A, 741.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 D, 539.
Palmer, T. S. 1904 A, 261, 871.
Revilliod, P. 1917 A, 194.
Troxell, E. L. 1923 F, 507.
Zittel and Schlosser 1911 A, 368.
1923 A, 446.

Entomacodon angustidens Marsh.

Hay, O. P. 1902 A, 741.
Matthew, W. D. 1909 C, 96.
Middle Eocene (Bridger); Wyoming.

Entomacodon minutus Marsh.

Hay, O. P. 1902 A, 741.
Matthew, W. D. 1909 C, 96.
1909 D, 540, pl. 1, fig. 4.
Lower Eocene (Wasatch); Wyoming: Middle Eocene (Bridger); Wyoming.

CENTETODON Marsh. Type *C. pulcher* Marsh.

Hay, O. P. 1902 A, 740.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 348.
Matthew, W. D. 1905 D, 49.
1909 C, 101.
1909 D, 540.
Palmer, T. S. 1904 A, 167, 871.

Centetodon altidens Marsh.

Hay, O. P. 1902 A, 740.
Matthew, W. D. 1909 C, 96.
Middle Eocene (Bridger); Wyoming.

Centetodon pulcher Marsh.

Hay, O. P. 1902 A, 740.
Matthew, W. D. 1909 C, 96.
Middle Eocene (Bridger); Wyoming.

MYOLESTES Matthew. Type *M. dasypelix* Matthew.

Matthew, W. D. 1909 D, 541, pl. 1, fig. 3.
Zittel and Schlosser 1911 A, 368.

Myolestes dasypelix Matthew.

Matthew, W. D. 1909 D, 541, pl. 1, fig. 1.
Middle Eocene (Bridger); Wyoming.

TALPIDÆ Gray.

Gray, J. E. 1825 B, 339.
Hay, O. P. 1902 A, 737.
Abel, O. 1913 B, 710.
1914 A, 50.
1922 C, 289 ("talpiden").
Ameghino, F. 1902 B, 11.
1906 C, 49 ("talpidés").
Arldt, T. 1907 D, 684.
1912 A, 704, 750.
Beddard, F. E. 1902 A, 516.
Branca, W. 1915 A, 50.
Brandt and Woldrich 1887 A, 21 (Talpina).
Carter, J. T. 1922 A, 603 (Talpinæ).
Chandler, A. C. 1914 B, 134.
Cockerell, Miller and Prinz 1914 A, 350.
Cope, E. D. 1889 R, 876 (Scalopidæ).
Coues, E. 1877 C, 632 (Talpidæ); 633 (Talpinæ).
Cuvier, F. 1808 A, 38, pl. iii ("taupes").
Cuvier, F. 1825 A, 61, pl. xxiii ("taupes").
Depéret, C. 1906 B, 1121, 1122 ("talpidés").
Dobson, G. E. 1883 A, 2, 126 (Talpidæ); 2 (Talpinæ).
1891 A, 349.
Doran, A. H. G. 1878 A, 444.
Edwards, A. M. 1884 A, 114 ("taupes").
Elliot, D. G. 1901 A, 386.
Gegenbaur, C. 1864 C, 185 ("maulwurf").
Giebel, C. G. 1883 A ("talpinen").
Gill, T. 1886 B, 152.
Gray, J. E. 1825 B, 339.
Gregory, W. K. 1910 A, 263.
Hilzheimer, M. 1913 A, 564.
Hoernes, R. 1886 A, 701.
Kampfen, P. N. 1905 A.
Leche, W. 1887 A ("talpiden").
1900 A, 1014.
1905 A, 578.

Leche, W. 1907 A, 50, 146.
Leunis and Ludwig 1883 A, 210 (Talpina).
Lobley, J. L. 1908 A, 194, 200, 204.
Lubosch, W. 1911 A, 330.
Matthew, W. D. 1901 B, 370.
1905 D, 49.
1909 C, 95, 105, 107, 110, 114, 118.
1909 D, 299, 508, 536.
1910 A, 36.
1914 B, 387.
1915 A, 226 ("moles").
1915 K, 449, fig. 17 ("moles").
1918 H, 567.
1921 D, 214.
1928 B, 975 ("moles").
Meckel, J. F. 1825 A ("maulwürfe").
Miller, G. S. 1912 A, 2.
1912 B, 7 (Talpidæ, Scalopinæ).
1924 C, 10 (Talpidæ, Scalopinæ).
Mivart, St. G. 1868 A, 133, 150.
Osborn, H. F. 1909 D, 52, 64.
1910 B, 149, 221, 254, 521.
Owen, R. 1845 B, 412.
1868 A, 910.
Palacký, J. 1903 C, 343 ("talpiden").
Palmer, T. S. 1904 A, 772, 873.
Pictet, F. J. 1853 A, 176 ("talpiens").
Rehs, J. 1914 A, 103.
Scharff, R. F. 1910 A, 142.
Schlosser, M. 1901 F, 301.
1924 A, 4.
Schwarz, E. 1924 A, 420 ("moles").
Seton, E. T. 1909 A, 1136.
Slonaker, J. R. 1920 A, 363.
Taschenberg, O. 1899 A, 4690.
Terra, P. 1911 A, 269.
Trouessart, E. L. 1904 A, 146.
Vicq-d'Azyr, F. 1792 A, cii, (Talpii).
1819 A, 25 (Talpii).
Wallace, A. R. 1876 A, II, 190.
1894 A, 435.
Weber, M. 1904 A, 377, 378 (Talpidæ, Talpinæ).
Weber and Abel 1928 A, 97, 115, 121, 127.
Weber and Burlet 1927 A.
Weidenreich, F. 1925 A, 39 ("talpiden").
Winge, H. 1917 A, 92, 115, 128, 184 (Talpidæ); 129 (Talpini).
1923 A, 123, 143, 154, 183, 201 (Talpidæ, Talpini).
Woodward, A. S. 1898 B, 403.
Zittel and Schlosser 1911 A, 367.
1923 A, 445, 667, fig. 564.

PROSCALOPS Matthew. Type *P. miocænus* Matthew.

Matthew, W. D. 1901 B, 370, 375.
Broom, R. 1909 C, 135.
Gregory, W. K. 1910 A, 238, 290.
1912 C, 194.
1922 A, 159, pl. v.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 110.
1909 D, 539.
1924 C, 74.
1928 A, 71.
Osborn, H. F. 1907 G, 119, 121, fig. 73.
Palmer, T. S. 1904 A, 575, 874.
Scharff, R. F. 1911 A, 143.
Schlosser, M. 1911 A, 166.
Zittel and Schlosser 1911 A, 367.
1923 A, 446.

Proscalops miocænus Matthew.

Matthew, W. D. 1901 B, 357, 375, text-figs. 1, 2.
1909 C, 107.
1909 D, 537, pl. xlix, fig. 5.
Zittel and Schlosser 1911 A, 368, fig. 528.
1923 A, 446, fig. 565.
Upper Oligocene (Brule); Colorado.

Proscalops secundus Matthew.

Matthew, W. D. 1901 B, 375, text-figs. 1, 2.
Gregory, W. K. 1916 A, 244, pl. i.
Matthew, W. D. 1909 D, 538, pl. li, figs. 3, 4.
1928 A, 71.
Miocene (Rosebud); South Dakota.

DOMNINA Cope. Type *D. gradata* Cope.

Hay, O. P. 1902 A, 741.
Haug, E. 1911 A, 1528.
Osborn, H. F. 1910 B, 221, 521.
Palmer, T. S. 1904 A, 242, 871.
Palacký, J. 1902 D, 2.
Seeley, H. G. 1886 A, 514.
Zittel and Schlosser 1923 A, 446.

Domnina crassigenis Cope.

Hay, O. P. 1902 A, 741.
Matthew, W. D. 1901 B, 357.
1909 C, 105.
Oligocene (Middle); Colorado.

Domnina gradata Cope.

Hay, O. P. 1902 A, 741.
Matthew, W. D. 1909 C, 105.
Oligocene (Middle); Colorado.

TALPA Linnæus. Type *T. europæa* Linnæus.

Linnæus, C. 1758 A, 52.
Abel, O. 1908 G (43) ("maulwurf").
1912 F, 703.
Adams, L. E. 1903 A, 1.
Altmann, F. 1925 A, 108, 111, fig. 25.
Ameghino, F. 1902 D, 423.
1905 B, 193.
1905 C, 454, fig. 98.
1906 C, 49, fig. 6.
Anderson, R. J. 1909 A, 745.
Anthony, R. 1912 A ("taupe").
1913 A, 261.
Bardeleben, K. 1885 B, 86.
1889 A, 107.
1889 B, 260.
Bardenfleth, K. S. 1913 A, 71.
Baur, G. 1886 O, 174 ("mole").
Beddard, F. E. 1902 A, 517.

Beecker, A. 1903 A, 610 ("maulwurf").
Bensley, B. A. 1902 A, 8.
Bertelli, D. 1909 A, 180.
Beyer, H. 1908 A, 95, fig. 22.
Blendinger, W. 1904 A, 470, figs. 21-23.
Böker, H. 1927 A, 38.
Brandt and Woldrich 1887 A, 21.
Braus, H. 1906 A, 268.
Bronn, H. G. 1848 B, 1215.
1849 B, 723.
Broom, R. 1910 B, 765.
1926 A, 263.
Burne, R. H. 1891 A, 159.
Carlsson, A. 1922 A.
Carus and Engelmann 1861 A, 1810.
Clark and Sonntag 1926 A, 461.
Cunningham, J. T. 1897 A, 506.
Cuvier, F. 1808 A, 38, pl. iii, fig. 4 ("taupe").
Cuvier, G. 1805 A.
Dieterich, K. 1841 A, 75.
Dobson, G. E. 1883 A, 137, 159.
Doran, A. H. G. 1878 A, 436, pl. lxxi.
Edwards, A. M. 1884 A, 1141.
Fawcett, E. 1911 A, 402, fig. 25 ("mole").
1917 A, 311-327, fig. 1.
1918 A, 212, 247, pls. ix, x, xv, xxii.
Fischer, E. 1901 A, 2.
1901 B, 467-546, pls. xxvii-xxxiii.
1903 A, 387 ("maulwurf").
Fischer, J. B. 1829 A, 245.
Frassetto, F. 1915 A.
Frets, G. P. 1912 A, 423, figs. 18-23, 62-64.
Frey, H. 1911 A, 395.
Fuchs, H. 1906 A, 12.
1908 C, 221, fig. 19.
1909 D, 20, 72, fig. 8b.
1911 D, 97, figs. 5-12.
1912 D, 141.
1926 B, 2.
Gaupp, E. 1902 A, 192, figs. 9, 10.
1906 A, 33.
1906 B, 821.
1908 B, 511.
1908 C, 672.
1910 C, 336.
Gervais, P. 1852 A, 15.
1859 A, 57.
Gidley, J. W. 1906 F, 93.
Giebel, C. G. 1855 A, 15.
1883 A.
Gill, T. 1886 B, 152, fig. 83.
Gregory, W. K. 1913 E, 5, fig. 2.
Hasse and Schwarck 1870 A, 93, fig. 27.
Henckel, K. O. 1927 A, 375.
Hertz, M. 1925 A, 565.
Hommes, J. H. 1924 A, 21, figs. 17, 22-25, 29-37, 52-54.
Inouye, M. 1912 A, 504 ("maulwurf").
Jacobi, A. 1921 A, 202, 204.
Kampfen, P. N. 1905 A.
1922 A, 55, fig. 1.
Kingsley, J. S. 1925 A, 294, fig. 317.
Köstlin, O. 1844 A.
Kraglievich, L. 1926 C, 61.
Kravetz, L. P. 1905 A, 5.
Kükenthal, W. 1913 A, 644.
Leche, W. 1887 A.
Leche, W. 1900 A, 1009, 1015.
1905 A, 578.
1912 A, 83.
1921 A, 70.
Leunis and Ludwig 1883 A, 211.
Matthew, W. D. 1909 C, 118.
1924 C, 71, 74.
Mead, C. S. 1909 A, 172.
Meckel, J. F. 1825 A.
Meek, A. 1908 A, 1, fig. 3 ("mole").
Miller, G. S. 1912 A, 3.
Mivart, St. G. 1878 B, 283 ("mole").
Mysberg, W. A. 1917 A, 648, fig. 2.
Nauck, E. T. 1926 B, 67.
Nehring, A. 1880 A.
Noordenbos, W. 1905 A, 221.
1905 B, 368 ("maulwurf").
Oken, L. 1823 A, 307, 314.
Osborn, H. F. 1907 G, 209.
Owen, R. 1845 B, 414, pl. x, fig. 3.
1862 B, 152.
1868 A, 910, fig. 241.
Palmer, T. S. 1904 A, 659, 874.
Pander and Alton 1831 A, 26, pl. iv.
Parker, W. K. 1886 A, 159, pl. xvi, figs. 1-7; pls. xxiii-xxviii.
Paulli, S. 1900 B, 486.
Peter, K. 1924 B, 467, figs. 2, 8, 20 ("maulwurf").
Pfeiffer, H. 1854 A, 13.
Pinkus, F. 1904 A, 144 ("maulwurf").
Rehs, J. 1914 A, 103.
Reynolds, S. H. 1897 A, 547 ("mole").
Römer, F. 1907 A, 71.
Scharff, R. F. 1895 A, 471.
1907 A, 58.
1911 A, 142.
Schlosser, M. 1887 B, 126, 128, 131.
1899 J, 355.
1901 F, 301.
1905 A, 327.
1924 A, 4.
Schorr, G. 1908 A, 93, figs.
Seeley, H. G. 1872 A, 277 ("mole").
1876 C, 157 ("mole").
Shimer, H. W. 1903 A, 824.
Sicher, H. 1916 A, 33-112, pls. iii-vi; 20 text-figs.
Taschenberg, O. 1899 A, 4690.
Terra, P. 1911 A, 271, fig. 97.
Tims, H. W. M. 1903 A, 137.
Tornier, G. 1891 A, 119.
Tourneux, F., and J. P. 1912 A, 74, figs. 9, 10 ("taupe").
Trouessart, E. L. 1904 A, 148.
Wagner, R. 1843 A.
Wallace, A. R. 1876 A, 11, 190.
Watson, D. M. S. 1917 A, 984.
Weber, M. 1904 A, 377, 378.
Weber and Abel 1928 A, 95, 127, figs. 59, 60.
Weber and Burlet 1927 A, 129, figs. 99, 100.
Wilder, B. 1872 B, 320.
Wilkie, H. C. 1926 A, 820.
Winge, H. 1917 A, 127.
1923 A, 153, 212, 217, pl. iii, fig. 2.
Woodward, A. S. 1893 F, 736.
Wortman, J. L. 1920 A, 34, fig. 13.

Wortman, J. S. 1921 A, 180.
Zittel and Schlosser 1911 A, 367, fig. 527.
1923 A, 668.

Talpa incerta Matthew.

Matthew, W. D. 1924 C, 66, 74 (This genus?).
Upper Miocene (Lower Snake Creek); Nebraska.

Talpa platybrachys Douglass.

Douglass, E. 1903 A, 153, 171, fig. 13 (This genus?).
Matthew, W. D. 1909 C, 114.
1924 C, 73 ("Talpa").
Middle Miocene (Deep River); Montana.

PARASCALOPS True. Type *P. breweri* True.

True, F. W. 1894, Diag. N. A. Mamm., Apr. 26, 2.
Miller, G. S. 1924 C, 13.

Parascalops breweri True.

True, F. W. 1894, Diag. N. A. Mamm., Apr. 26, 2.
Miller, G. S. 1924 C, 13.
Peterson, O. A. 1926 A, 294, figs. 9, 10.
True, F. W. 1894, Proc. U. S. Nat. Mus., XVII, 242.
1895, Science (n.s.), I, 101.
Recent; New Brunswick to Ontario, south in mountains to N. Carolina: Pleistocene; Pennsylvania.

SCALOPUS Geoffroy St. Hilaire. Type *Sorex aquaticus* Linnæus.

Geoffroy St. Hilaire, E. F. 1803, Cat. Mamm. Mus. Hist. Nat., 77.
Unless otherwise indicated the authors, as quoted, employ for this genus the name *Scalops*.
Hay, O. P. 1902 A, 738.
Allen, J. A. 1892 A.
Arldt, T. 1907 D, 255.
Baker, F. C. 1920 A, 208, 214, 397.
Bardeleben, K. 1885 B, 86.
Beddard, F. E. 1902 A, 518.
Cope, E. D. 1880 U, 158.
Cuvier, F. 1808 A, 43, pl. iii ("scalopes").
Cuvier, G. 1805 A.
1825 A, 54, pl. xxii ("scalopes").
Dixey, F. A. 1881 A, 66 ("mole").
Dobson, G. E. 1883 A, 135, 159.
Doran, A. H. G. 1878 A, 436.
Elliot, D. G. 1901 A, 388.
Fischer, J. B. 1829 A, 249.
Gegenbaur, C. 1865 C, 556, fig. 8 ("mole").
Gervais, P. 1853 B, 40 ("taupe").
Giebel, C. G. 1855 A, 16.
1883 A.
Gill, T. 1886 B, 152.
Gottlieb, H. 1914 A, 186.
Jackson, H. H. T. 1915 A, 27 (Scalopus).
Leche, W. 1900 A, 996, 1009, 1014, fig. 87 (Scalops).
Leunis and Ludwig 1883 A, 211.
Matthew, W. D. 1915 K, 402 (Scalopus).
1924 C, 74 (Scalops).
Merriam, C. H. 1892 A, 61.
Miller, G. S. 1912 B, 7 (Scalopus).
1924 C, 13.
Mivart, St. G. 1868 A, 152.
Osborn, H. F. 1909 D, 90.
1910 B, 469, 521.
Owen, R. 1845 B, 413.
1868 A, 303.
Palacký, J. 1903 C, 344, 348.
Palmer, T. S. 1904 A, 620, 874 (Scalopus).
Pander and Alton 1831 A, 17.
Scharff, R. F. 1895 A, 467.
1911 A, 142.
Schlosser, M. 1887 B, 126, 127.
1901 F, 301.
Scott, W. B. 1913 A, 163.
Shimer, H. W. 1903 A, 824.
Slonaker, J. R. 1920 A, 335.
Tornier, G. 1891 A, 186.
Trouessart, E. L. 1904 A, 150.
Wallace, A. R. 1876 A, II, 190.
Weber and Abel 1928 A, 121.
Wilder, B. 1872 B, 320.
Winge, H. 1917 A, 128.
1923 A, 153, 212, 217.

Scalopus aquaticus (Linnæus).

Unless otherwise indicated the authors, as quoted, employ the generic name *Scalops*.
Linnæus, C. 1758 A, 53 (Sorex).
Hay, O. P. 1902 A, 738.
Bangs, O. 1898 A, 210.
Brown, B. 1908 A, 173, pl. xv.
Coues, E. 1877 C, 633.
Elliot, D. G. 1901 A, 388.
Foote, J. S. 1916 A, 92, pl. ix (Scalopus).
Giebel, C. G. 1883 A, pls. ix, lviii, lxiv.
Hay, O. P. 1914 A, 32 (Scalopus).
1923 A, 310.
1924 D, 252.
Jackson, H. H. T. 1915 A, 32, pl. i, figs. 1, 2; pl. ii, fig. 1; pl. iii, figs. 1, 1a; pl. vi, fig. 3; text-figs. 1, 3-6.
Leche, W. 1907 A, 54.
Leidy, J. 1889 H, 5.
Matthew, W. D. 1924 C, 66, 73 (Scalops. This species?).
Miller, G. S. 1912 B, 7 (Scalopus).
1924 C, 13 (Scalopus).
Owen, R. 1845 B, 413, pl. cx, figs. 2, 3.
Slonaker, J. R. 1920 A, 335, pls. i-iv.
Rhoads, S. N. 1903 A, 227.
Recent; eastern United States: Recent or Pleistocene, Pennsylvania: Pleistocene; Arkansas: Lower Pliocene (Upper Snake Creek); Nebraska.

Scalopus aquaticus australis Chapman.

Chapman, F. 1893, Bull. Amer. Mus. Nat. Hist., v, 339.
Baker, F. C. 1920 A, 374.
Hay, O. P. 1917 E, 45.

Hay, O. P. 1923 A, 382.
Miller, G. S. 1912 B, 8.
Sellards, E. H. 1913 E, 17 (S. sp. indet.).
1916 C, 151 (Scalops); 158 (Scalopus sp.).
Pleistocene; Florida.

Scalopus sp. indet.

Hay, O. P. 1902 A, 738.
1923 A, 312, 313. Pleistocene; Pennsylvania.
1924 D, 304. Pleistocene; Nebraska.
Hay, O. P. 1927 D, 274. Pleistocene; Florida.
Matthew, W. D. 1918 A, 228. Pleistocene (Aftonian); Nebraska.
1923 A, 12 (Scalops). Lower Pliocene (Upper Snake Creek); Nebraska.
1924 C, 73 (Scalops). Pleistocene (Aftonian); Nebraska.
Rhoads, S. N. 1903 A, 228. Pleistocene (Port Kennedy); Pennsylvania.
Simpson, G. G. 1928 H, 2. Pleistocene (Early); Florida.

Scapanus Pomel. Type *Scalops townsendii* Bachman.

Pomel, A. 1848 C, 247.
Dobson, G. E. 1883 A, 133.
Elliot, D. G. 1901 A, 391.
Jackson, H. H. T. 1915 A, 54.
Kingsley, J. S. 1925 A, 206, 274, figs. 216, 299.
Matthew, W. D. 1924 C, 74.
Merriam, C. H. 1892 A, 61.
Miller, G. S. 1912 B, 9.
1924 C, 10.
Palacký, J. 1903 C, 349.
Schlosser, M. 1887 B, 126, 127.

Scapanus latimanus Bachman.

Bachman, J. 1842, Boston Jour. Nat. Hist., iv, 34 (Scalops).
Elliot, D. G. 1901 A, 391, fig. 79 (S. townsendi).
Hay, O. P. 1927 D, 215.
Jackson, H. H. T. 1915 A, 64-75, pls. iv-vi.
Merriam and Stock 1925 A, 10.
Miller, G. S. 1912 B, 9.
1924 C, 11.
Miller, L. H. 1912 A, 70 (S. californicus?).
Sinclair, W. J. 1903 A, 711 (Scalopus townsendii?).
1904 A, 17 (Scapanus californicus?).
Stock, C. 1925 A, 113.
Recent; California: Pleistocene (Potter Creek cave); California.

Scapanus sp. indet.

Gidley, J. W. 1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1927 D, 223. Pleistocene; California.
Merriam, J. C. 1911 B, 235, fig. 4 (This genus?). Pliocene (Thousand Creek); Nevada.
1917 A, 429 (This genus?). Pliocene (Thousand Creek); Nevada).
Stock, C. 1925 A, 113. Pleistocene (Caves); California.

Anomodon Le Conte. Type *A. snyderi* Le Conte.

Hay, O. P. 1902 A, 741.
Cope, E. D. 1880 U, 158.
Palmer, T. S. 1904 A, 106, 870.

Anomodon snyderi Le Conte.

Hay, O. P. 1902 A, 741.
Gervais, P. 1859 A, 365.
Hay, O. P. 1914 A, 38.
1923 A, 479.
Palacký, J. 1903 C, 344, 345.
Ruschenberger and Tryon 1879 A, 89.
Whitney, J. D. 1862 A, 136 (Anamodon).
Pleistocene; Illinois.

Geolabis Cope. Type *G. rhynchæus* Cope.

Hay, O. P. 1902 A, 739.
Palmer, T. S. 1904 A, 293, 871.
Seeley, H. G. 1886 A, 514.

Geolabis rhynchæus Cope.

Hay, O. P. 1902 A, 739.
Matthew, W. D. 1909 C, 105.
Osborn, H. F. 1910 B, 521 ("Georhynchus." This genus?).
Middle Oligocene (Cedar Creek); Colorado.

Entomodon Marsh. Type *E. comptus* Marsh.

Hay, O. P. 1902 A, 740.
Heilprin, A. 1887 A, 348.
Palmer, T. S. 1904 A, 261, 898.

Entomodon comptus Marsh.

Hay, O. P. 1902 A, 740.
Osborn, H. F. 1902 C, 173, 189.
Thorpe, M. R. 1923 A, 25.
Trouessart, E. L. 1904 A, 42 (Sarcolemur); 157 (Entomodon).
Middle Eocene (Bridger); Wyoming.

SORICIDÆ Gray.

Gray, J. E. 1821 A, 300.
Hay, O. P. 1902 A, 738.
Abel, O. 1913 B, 710.
1914 A, 50.
Ärnbäck-Christie-Linde, A. 1907 A, 463.
Ärnbäck-Christie-Linde 1912 A, 601.
1912 B, 20 ("soriciden").
Ameghino, F. 1902 B, 11.
1902 D, 423 ("soricidés").
Arldt, T. 1907 D, 682.

Arldt, T. 1912 A, 704.
Beddard, F. E. 1902 A, 518.
Brandt and Woldrich 1887 A, 19 (Soricina).
Carter, J. T. 1922 A, 603 (Soricinæ).
Carus, V. 1875 A, 90 (Soricidea).
Chandler, A. C. 1914 B, 134.
Coues, E. 1877 C, 631, 634.
Cuvier, F. 1808 A, 40 ("musaraignes").
1825 A, 58 ("musaraignes").
Depéret, C. 1906 A, 620 ("soricidés").
1906 B, 1122 ("soricidés").
Dobson, G. E. 1883 A, 2.
1891 A, 349.
Elliot, D. G. 1901 A, 366.
Gegenbaur, C. 1865 C, 552.
Gervais, P. 1859 A, 54 ("soricidés").
Giebel, C. G. 1883 A ("spitzmäuse").
Gill, T. 1886 B, 146.
Gray, J. E. 1837 B, 123 (Sorices).
Gregory, W. K. 1910 A, 263, 265.
Hinton, M. A. C. 1911 A, 529 (Soricinæ).
Hoernes, R. 1886 A, 701.
Howes and Harrison 1893 A, 790.
Leche, W. 1887 A.
1900 A, 1009, 1016.
1905 A, 578.
1907 A, 50, 120, 146.
Leunis and Ludwig 1883 A, 208 (Soricidea).
Lobley, J. L. 1908 A, 200, 204.
Mansion, A. 1904 A, 169 ("soricidés").
Matthew, W. D. 1905 D, 48.
1909 C, 105, 110.
1910 A, 36.
1915 A, 225, fig. 12.
Matthew, W. D. 1915 K, 449, fig. 17 ("shrews").
1921 D, 214.
1928 B, 975 ("shrews").
Meckel, J. F. 1825 A ("spitzmäuse").
Miller, G. S. 1912 A, 28.
1912 B, 12.
1924 C, 17.
Osborn, H. F. 1909 D, 52.
Owen, R. 1845 B, 416.
1868 A, 909.
Palacký, J. 1903 C, 343 ("soriciden").
Palmer, T. S. 1904 A, 770, 872.
Pictet, F. J. 1853 A, 173 ("soriciens").
Rehs, J. 1914 A, 103.
Reynolds, S. H. 1897 A, 499.
Schlosser, M. 1887 B, 89, 91, 121.
Schwarz, E. 1924 A, 420 ("shrews").
Seton, E. T. 1909 A, 1091.
Taschenberg, O. 1899 A, 4681.
Terra, P. 1911 A, 267 ("soriciden").
Van den Broeck, A. J. P. 1912 A, 784.
Vicq-d'Azyr, F. 1792 A, cii (Soricii).
1819 A, 33 (Soricii).
Wallace, A. R. 1876 A, I, 118; II, 191.
1894 A, 435.
Weber, M. 1904 A, 377, 379 (Soricinæ).
Weber and Abel 1928 A, 115, 120, 127.
Weber and Burlet 1927 A.
Winge, H. 1917 A, 130, 186.
1923 A, 125, 155, 164, 183, 203 (Soricidæ, Plesiosoricini, Soricini).
Woodward, A. S. 1898 B, 403.
Zittel and Schlosser 1911 A, 368.
1923 A, 446.

PROTOSOREX Scott. Type *P. crassus* Scott.

Hay, O. P. 1902 A, 738.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 110.
Palmer, T. S. 1904 A, 585, 873.
Winge, H. 1917 A, 136.
1923 A, 160, 182.
Zittel and Schlosser 1911 A, 368.
1923 A, 446.

Protosorex crassus Scott.

Hay, O. P. 1902 A, 738.
Cook, H. J. 1912 D, 36.
Matthew, W. D. 1901 B, 376.
1909 C, 105.
O'Hara, C. C. 1910 A, 85, 125.
1920 A, 151.
Palacký, J. 1903 C, 343.

Middle Oligocene (Brule); South Dakota and Nebraska.

MICROSOREX Baird. Type *Sorex hoyi* Baird.

Baird, S. F. 1877, in Coues, E. 1877 C, 643, 646.
Brown, B. 1908 A, 173.
Elliot, D. G. 1901 A, 377.
Merriam, C. H. 1895 C, 89 (Subgenus of Sorex).
Miller, G. S. 1895 A, 42.
1912 B, 22.
Osborn, H. F. 1909 D, 90.
Palmer, T. S. 1904 A, 423, 872.
Trouessart, E. L. 1904 A, 135.

Microsorex minutus Brown, B.

Brown, B. 1908 A, 173, pl. xiv.
Hay, O. P. 1914 A, 32.
1924 D, 252.

Pleistocene (Middle); Arkansas.

SOREX Linnæus. Type *S. araneus* Linnæus.

Linnæus, C. 1758 A, 53.
Ärnbäck-Christie-Linde, A. 1907 A, 464.
1912 A, 602, pl. xviii, fig. 1; pl. xix; text-figs. 1-6.
1912 B, 201.
Allen, J. A. 1892 A.
1903 A.
Anthony, R. 1913 A, 261.
Beddard, F. E. 1902 A, 518.
Bluntschli, H. 1912 B, 390.
Brandt and Woldrich 1887 A, 19.
Bronn, H. G. 1848 B, 1157.
1849 A, 724.
Broom, R. 1909 C, 135.

Broom, R. 1915 A, 349, 351.
1926 A, 263.
Carus and Engelmann 1861 A, 1806.
Coues, E. 1877 C, 643.
Cuvier, F. 1808 A, 43.
1825 A, 50, pl. xx ("musaraignes").
Cuvier, G. 1805 A, *passim*.
Dieterich, K. 1841 A, 75.
Dobson, G. E. 1891 A, 349.
Doran, A. H. G. 1878 A, 433, pl. lxii.
Eggeling, H. 1904 A, 95.
Elliot, D. G. 1901 A, 366.
Foote, J. S. 1916 A, 92, pl. ix.
Frassetto, F. 1915 A.
Frey, H. 1911 A, 397.
Fuchs, H. 1909 B, 142.
Gaupp, E. 1913 A, 125.
Gegenbaur, C. 1864 C, 191.
1865 C, 553, fig. 5.
Geinitz, E. 1903 A.
1904 A.
Gervais, P. 1852 A, 12.
1859 A, 55.
Giebel, C. G. 1855 A, 17.
1883 A, pls. ix, li, lxxx.
Gill, T. 1886 B, 148.
Gray, J. E. 1837 B, 123.
Hertz, M. 1925 A, 556.
Hinton, M. A. C. 1911 A, 529, 530.
Hollister, N. 1911 B, 377.
Hommes, J. H. 1924 A, 39.
Jacobi, A. 1921 A, 202.
Lebouc̨q, H. 1884 A, 73.
Leche, W. 1887 A.
1905 A, 578.
1912 A, 83.
Leunis and Ludwig 1883 A, 209.
Lubosch, W. 1911 B, 744, 746.
Lull, R. S. 1922 C, 603.
Mansion, A. 1904 A, 169.
Matthew, W. D. 1915 K, 402.
Meckel, J. F. 1825 A.
Merriam, C. H. 1892 A, 62.
1895 C, 57.
Miller, G. S. 1895 A, 35, 42.
1912 A, 29.
1912 B, 12.
1924 C, 17.
Mivart, St. G. 1868 A.
Nehring, A. 1880 A.
Oken, L. 1823 A, 309.
Osborn, H. F. 1909 D, 90.
1910 B, 259, 521.
Owen, R. 1845 B, 417, pl. cx, fig. 4; pl. cxi, fig. 2.
1866 B, 277, fig. 155.
Palacký, J. 1902 B, 142.
1903 C, 343, 346.
Palmer, T. S. 1904 A, 638, 873.
Pander and Alton 1831 A, 17.
Parker, W. K. 1886 A, 197, pl. xvi, figs. 10-12; pls. xxix-xxxi.
Paulli, S. 1900 B, 486.
Pictet, F. J. 1853 A, 173, pl. 1, figs. 8, 9.
Retzius, A. 1837 A, 489.
Scharff, R. F. 1895 A, 445.
Schlosser, M. 1899 J, 355.
1905 A, 327.
Seton, E. T. 1909 A, 1091.
Stromer, E. 1924 A, 248.
Tims, H. W. M. 1902 A, 335.
Tornier, G. 1891 A, 119.
Trouessart, E. L. 1904 A, 130.
Vicq-d'Azyr, F. 1819 A, 33.
Wagner, R. 1843 A.
Weber, M. 1904 A, 379.
Weber and Abel 1928 A, 120, 127.
Weber and Burlet 1927 A.
Winge, H. 1917 A, 141.
1923 A, 88, 162, 217, 218.
Woodward, A. S. 1895 F, 736.
Zittel and Schlosser 1911 A, 368.
1923 A, 446, fig. 566.
Zuckerkandl, E. 1908 A, 523.

Sorex frankstounensis Peterson.

Peterson, O. A. 1926 A, 292, fig. 8.
Pleistocene; Pennsylvania.

Sorex fumeus G. S. Miller.

Miller, G. S. 1895 A, 50, pl. v, fig. 5; pl. vi, fig. 5.
Baird, S. F. 1857 A, 22 (S. forsteri); 24 (S. richardsoni).
Brown, B. 1908 A, 172 (This species?).
Elliot, D. G. 1901 A, 369.
Hay, O. P. 1914 A, 31.
1924 D, 252.
Hollister, N. 1911 B, 380.
Merriam, C. H. 1895 C, 65, pl. ix, fig. 2.
Miller, G. S. 1912 B, 13, 14.
Seton, E. T. 1909 A, 1106, text-fig. 252 (S. richardsonii).
Recent; Eastern Canada, southward in Alleghenies to North Carolina and Tennessee: Pleistocene (Middle); Arkansas.

Sorex obscurus C. H. Merriam.

Merriam, C. H. 1895 C, 72, pl. viii, fig. 1.
Brown, B. 1908 A, 172, pl. xiv.
Elliot, D. G. 1901 A, 371.
Hay, O. P. 1914 A, 31.
1924 D, 252.
Merriam, C. H. 1891, N. A. Fauna, No. 5, 34, pl. iv, fig. 3 (S. vagrans similis).
Miller, G. S. 1912 B, 15.
1924 C, 17.
Recent; In mountain regions of British Columbia to Colorado and California: Pleistocene (Middle); Arkansas.

Sorex personatus I. Geoffroy St. Hilaire.

Geoffroy St. Hilaire, I. 1827, Mém. Mus. Nat., Paris, xv, 122.
Dobson, G. E. 1883 A (1890), 1, pl. xxiii, fig. 10; pl. xxviii, fig. 1.
1891 A, 349.
Elliot, D. G. 1901 A, 366.
Hay, O. P. 1914 A, 31.
1924 D, 252.
Merriam, C. H. 1895 C, 60, pl. vii, fig. 5; pl. ix, fig. 7.
Miller, G. S. 1895 A, 53, pl. iv, figs. 1, 5, 6, 7, 8; pl. vi, figs. 7, 8.
1924 C, 17.
Peterson, O. A. 1926 A, 292.

Seton, E. T. 1909 A, 1091, text-fig. 248, map 57.
Recent; Eastern United States.
Typical form not known fossil.

Sorex personatus fossidens B. Brown.

Brown, B. 1908 A, 171, pl. xiv.
Hay, O. P. 1914 A, 31.
1924 D, 252.
Hollister, N. 1911 B, 377 (S. personatus).
Pleistocene (Middle); Arkansas.

CRYPTOTIS Pomel. Type *Sorex cinereus* Bachman = *S. parvus* Say.

Pomel, A. 1848, Archiv. Sci. Phys. et Nat. Genève, IX, 249.
Merriam, C. H. 1895 B, 16 (Subgenus).
Miller, G. S. 1912 B, 24.
1924 C, 30.

Cryptotis floridana (Merriam).

Merriam, C. H. 1895 B, 19, pl. i, fig. 7 (Blarina).
Elliot, D. G. 1901 A, 385 (Blarina).
Hay, O. P. 1923 A, 382.
Miller, G. S. 1912 B, 25.
1924 C, 31.
Sellards, E. H. 1916 C, 139, 151, 158.
1916 D, 616.
1916 E, 16.
Recent; Peninsular Florida: Pleistocene; Florida.

BLARINA Gray. Type *Sorex talpoides* Gapper = *S. brevicaudus* Say.

Hay, O. P. 1902 A, 738.
Ärnbäck-Christie-Linde, A. 1912 B, 282.
Coues, E. 1877 C, 631, 647, 648.
Dobson, G. E. 1891 A, 349.
Elliot, D. G. 1901 A, 381.
Gill, T. 1886 B, 148.
Heilprin, A. 1887 A, 346.
Leche, W. 1912 A, 83.
Matthew, W. D. 1909 C, 90.
Merriam, C. H. 1892 A, 61.
Miller, G. S. 1912 B, 23.
1924 C, 35.
1927 A, 9.
Osborn, H. F. 1909 D, 1, 90.
1910 B, 469, 521.
Seton, E. T. 1909 A, 1116.
Trouessart, E. L. 1904 A, 136.
Weber, M. 1904 A, 679.

Blarina brevicauda (Say).

Say, T. 1823, Long's Exped. Rocky Mts., I, 164 (Sorex).
Baird, S. F. 1857 A, 42, pl. xxx, fig. 5.
Elliot, D. G. 1901 A, 382, fig. 74.
Gidley, J. W. 1913 B, 96 (This species?).
Hay, O. P. 1923 A, 350.
Merriam, C. H. 1895 B, 10, pl. i, figs. 2-4; pl. ii, figs. 1-4.
Miller, G. S. 1912 B, 23.
1924 C, 35.
Peterson, O. A. 1926 A, 293.
Seton, E. T. 1909 A, 1116, text-fig. 253-260.
Recent; western Nebraska and Manitoba to Atlantic: Pleistocene; Maryland.

Blarina brevicauda ozarkensis B. Brown.

Brown, B. 1908 A, 170, pl. xv, fig.
Hay, O. P. 1914 A, 31.
Pleistocene (Middle); Arkansas.

Blarina brevicauda peninsulæ Merriam, C. H.

Merriam, C. H. 1895 B, 14 (B. carolinensis pen.).
Elliot, D. G. 1901 A, 383.
Hay, O. P. 1923 A, 382.
Sellards, E. H. 1916 C, 151 (B. brev. pen.?); 139, 158 (B. sp.).
1916 E, 16 (B. sp.).
Miller, G. S. 1912 B, 24.
1924 C, 35.
Recent; Florida: Pleistocene; Florida.

Blarina simplicidens Cope.

Hay, O. P. 1902 A, 738.
1923 A, 312.
Baker, F. C. 1920 A, 208, 214, 397.
Brown, B. 1908 A, 171.
Peterson, O. A. 1926 A, 293.
Rhoads, S. N. 1903 A, 227.
Early Pleistocene (Port Kennedy); Pennsylvania.

Blarina sp. indet.

Cope, E. D. 1869 E, 175. Pleistocene (Caves); Virginia.
Hay, O. P. 1923 A, 322, 353. Pleistocene; Pennsylvania, Virginia.

Suborder HYOPSODONTA Osborn.

Osborn, H. F. 1910 B, 522.

Superfamily HYOPSODONTOIDÆ, new name.

HYOPSODONTIDÆ Lydekker.

Lydekker, R. 1887 in Nicholson and Lydekker 1887 A, 1465.
Hay, O. P. 1902 A, 788 (Limnotheriidæ).
Abel, O. 1908 C, (36).
1913 B, 710.
Abel, O. 1914 A, 51, 254.
1922 C, 290 ("hyopsodontiden").
1926 B, 396, 411.
Abel and Cook 1925 A, 33, 34.
Ameghino, F. 1906 A, 291.

Bluntschli, H. 1911 A, 121.
1912 B, 354 ("hyopsodontiden").
Chapman, H. C. 1904 A, 149, 155 (Hyopsodinæ).
Gregory, W. K. 1915 A, 420.
1920 A, 246.
1922 A, 118, 280.
Hubrecht, A. A. W. 1908 A, 159 (Hyopsodidæ).
Loomis, F. B. 1905 A, 416 (Hyopsodidæ).
Lydekker, R. 1910 F, 657.
Marsh, O. C. 1872 I, 205 (Limnotheriidæ).
Matthew, W. D. 1905 C, 298 (Hyopsodontidæ); 299 (Hyopsodidæ).
1909 C, 92, 93, 96, 99, 101.
1909 D, 299, 507, 508, 513.
1914 B, 387.
1915 E, 311, 312.
1915 K, 442 (Limnotheriidæ).
1921 D, 214.
Nicholson and Lydekker 1889 A, 1465.
Osborn, H. F. 1901 D, 623.
1902 C, 176, 179.
1909 D, 46, 52, 59.
1910 B, 125, 522.
Palmer, T. S. 1904 A, 747, 897.
Pia, J. 1916 A, 129 ("hyopsodontinen").
Schlosser, M. 1887 B, 21, 43, 54 (Hyopsodidæ).
1905 A, 327 ("hyopsodiden").
1907 C, 222.
Trouessart, E. L. 1904 A, 41 (Hyopsodinæ).
Wallace, A. R. 1876 A, I, 133 (Limnotheridæ).
Weber, M. 1904 A, 761 (Hyopsodidæ); 763 (Hyopsodontidæ).
Weber and Abel 1928 A, 124, 426, 628.
Wortman, J. L. 1903 A, xv, 400 (Hyopsodidæ).
Zittel and Schlosser 1911 A, 369.
1923 A, 447, 666, 667, 669.

Hyopsodus Leidy. Type *H. paulus* Leidy.

Hay, O. P. 1902 A, 790 (Hyopsodus); 789 (Lemuravus).
Abel, O. 1922 C, 290.
Abel and Cook 1925 A, 33.
Bluntschli, H. 1912 B, 370.
Bolk, L. 1914 A, 132, fig. 40.
Chardin, T. 1922 A, 45, 82.
Cope, E. D. 1880 U, 149.
Delafontaine, M. 1875 A, 171 (Hyopsodus, Lemuravus).
Depéret, C. 1905 C, 704.
Dollo and Chardin 1924 A, 16.
Gidley, J. W. 1923 A, 18.
Granger, W. 1909 A, 22.
1914 A, 203.
Gregory, W. K. 1910 A, 360.
1912 C, 194.
1917 D, 632.
1920 A, 175, fig. 131.
1921 A.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 348, 403 (Hyopsodus); 403 (Lemuravus).
Hennig, E. 1921 A, 221.
Loomis, F. B. 1905 A, 418, fig. 1.
1905 C, 296.
Matthew, W. D. 1909 C, 101, 516.
1909 D, 513, 521.
1915 E, 314.
1915 G, 383.
1915 I, 152.
1915 K, 472, 421.
1918 H, 567.
1924 E, 749.
1928 B, 962, 968.
Osborn, H. F. 1901 D, 623 (Hypsodus).
1902 C, 180, 186.
1902 D, 266, fig. 5.
1905 I, 99.
1905 L, 568.
1907 G, 128, figs. 77-80, 127, 128, 214.
1909 D, 127.
1910 B, 125, 133, 165, 522.
1912 G, 236, fig. 3.
1925 C, 750.
Palmer, T. S. 1904 A, 339, 898 (Hyopsodus); 368, 898 (Lemuravus).
Perrier, E. 1920 A, 373.
Pia, J. 1916 A, 129 (Syn. of Lemuravus).
Schlosser, M. 1902 D, 302.
1902 J, 132, 230.
1903 A, 289.
Stehlin, H. G. 1906 A, 634.
1916 B, 1434, 1484.
Trouessart, E. L. 1904 A, 41.
Troxell, E. L. 1926 A, 423.
Wallace, A. R. 1876 A, I, 133.
Weber, M. 1904 A, 763.
Weber and Abel 1928 A, 629, 674.
Winge, H. 1917 A, 174.
Wortman, J. L. 1903 A, xv, 431.
Zittel and Schlosser 1911 A, 370.
1923 A, 448, 665.

Hyopsodus despiciens Matthew.

Matthew, W. D. 1909 D, 520, text-figs. 103-105.
1915 E, 317.
Zittel and Schlosser 1911 A, 369, fig. 533 (H. decipiens).
1923 A, 448, fig. 570 (H. decipiens).
Middle Eocene (Bridger); Wyoming.

Hyopsodus lepidus Matthew.

Matthew, W. D. 1909 D, 521, pl. xlviii, figs. 4, 6.
1915 E, 317.
Middle Eocene (Bridger); Wyoming.

Hyopsodus markmani Abel and Cook.

Abel and Cook 1925 A, 34, figs. 1-4.
Abel, O. 1926 B, 396, 411.
1926 H, (160).
1928 B, 21.
Weber and Abel 1928 A, 628.
Early Eocene; Colorado.

Hyopsodus marshi Osborn.

Osborn, H. F. 1902 C, 175, 187, fig. 13.
Hennig, E. 1922 A, 221, fig. 3.
Matthew, W. D. 1909 C, 96.
1909 D, 519, pl. xlviii, fig. 11.
1915 E, 317.
Trouessart, E. L. 1904 A, 42.
Middle Eocene (Bridger); Wyoming.

Hyopsodus mentalis (Cope).

Hay, O. P. 1902 A, 793 (Sarcolemur); 790 (H. lemoinianus).
Loomis, F. B. 1905 A, 420, 424, fig. 3 (H. lemoinianus).
1907 B, 357 (H. lemoinianus).
Matthew, W. D. 1909 C, 93 (H. lemoinianus).
1915 E, 317, 319, fig. 5 (H. lemoinianus a syn.).
Osborn, H. F. 1902 C, 174, 175 (To Pelycodus?).
Trouessart, E. L. 1904 A, 40 (Pelycodus); 42 (H. lemoinianus).
Lower Eocene (Wasatch); New Mexico, Wyoming.

Hyopsodus mentalis lysitensis Matthew.

Matthew, W. D. 1915 E, 320, 326.
Osborn, H. F. 1902 C, 175, 183, figs. 7, 8 (H. lemoinianus).
Lower Eocene (Wind River); Wyoming.

Hyopsodus minor Loomis.

Loomis, F. B. 1905 A, 422, 424, fig. 6.
Matthew, W. D. 1909 C, 93.
1915 E, 324 (H. wortmani? minor).
Lower Eocene (Wind River); Wyoming.

Hyopsodus minusculus Leidy.

Hay, O. P. 1902 A, 790.
Matthew, W. D. 1909 C, 96.
1909 D, 519, pl. xlviii, fig. 8; pl. xlix, fig. 3.
1915 E, 317.
Osborn, H. F. 1902 C, 173, 186.
Middle Eocene (Bridger); Wyoming.

Hyopsodus miticulus Cope.

Hay, O. P. 1902 A, 790.
Loomis, F. B. 1905 A, 419, 420, 424.
Matthew, W. D. 1909 C, 93.
1915 E, 317, 318, fig. 4.
Osborn, H. F. 1902 C, 174, 183, fig. 6.
Reeside, J. B. 1924 A, 46.
Trouessart, E. L. 1904 A, 41.
Lower Eocene (Wasatch); New Mexico: (Grey Bull); Wyoming.

Hyopsodus paulus Leidy.

Hay, O. P. 1902 A, 791 (H. paulus, H. vicarius); 789 (Lemuravus distans).
Abel, O. 1913 B, 711, fig. 11.
1914 A, 51, fig. 24.
1922 C, 290, fig. 244.
Abel and Cook 1925 A, 33, 35.
Ameghino, F. 1906 A, 291, fig. 74.
Baird, S. F. 1876 A, 336 (Lemuravus distans).
Bluntschli, H. 1912 B, 368, fig. 10.
Cope, E. D. 1872 NN, 2.
Loomis, F. B. 1905 A, 419.
Matthew, W. D. 1909 C, 96.
1909 D, 517, pl. xlvii, fig. 3; pl. xlviii, figs. 2, 3, 5, 7.
1915 E, 317.
Merrill, G. P. 1907 A, 41.
Osborn, H. F. 1902 C, 172, 182, 185, fig. 5 (H. paulus); 173, 187, fig. 12 (H. vicarius); 174, 187 (H. distans).
Seeley, H. G. 1886 A, 416, fig. (H. vicarius).
Stehlin, H. G. 1906 A, 634, fig. 79.
Trouessart, E. L. 1904 A, 42 (H. paulus, H. distans).
Weber, M. 1904 A, 763, fig. 546.
Weber and Abel 1928 A, 628, fig. 424.
Zittel and Schlosser 1911 A, 369, fig. 532.
1923 A, 448, fig. 569.
Middle Eocene (Bridger); Wyoming.

Hyopsodus powellianus Cope.

Hay, O. P. 1902 A, 791.
Loomis, F. B. 1905 A, 421, 424, fig. 4.
1907 B, 357.
Matthew, W. D. 1909 C, 93.
1915 E, 317, 320, figs. 6, 7.
Osborn, H. F. 1902 C, 175, 184, fig. 9.
Sinclair and Granger 1911 A, 108.
Trouessart, E. L. 1904 A, 42.
Lower Eocene (Wasatch); Wyoming.

Hyopsodus powellianus browni Loomis.

Loomis, F. B. 1905 A, 422-424, fig. 7 (H. browni); 425 (H. jacksoni, H. lawsoni).
Matthew, W. D. 1909 C, 93 (H. jacksoni, H. browni).
1915 E, 322 (H. jacksoni and H. lawsoni, syns.).
Lower Eocene (Wind River); Wyoming.

Hyopsodus simplex Loomis.

Loomis, F. B. 1905 A, 419, 424, fig. 2.
Abel and Cook 1925 A, 35.
Loomis, F. B. 1907 B, 357.
Matthew, W. D. 1909 C, 93.
1915 E, 316, 317, fig. 3.
Lower Eocene (Wasatch); Wyoming.

Hyopsodus uintensis Osborn.

Osborn, H. F. 1902 C, 175, 176, 188, figs. 3, 14, 15.
Matthew, W. D. 1909 C, 99.
Trouessart, E. L. 1904 A, 42.
Upper Eocene (Uinta); Utah.

Hyopsodus walcottianus Matthew.

Matthew, W. D. 1915 E, 317, 322, figs. 8-10.
Gregory, W. K. 1920 A, 244.
Weber and Abel 1928 A, 629, fig. 425.
Lower Eocene (Wind River); Wyoming.

Hyopsodus wortmani Osborn.

Osborn, H. F. 1902 C, 175, 185, fig. 11.
Loomis, F. B. 1905 A, 421, 424, fig. 5.
Matthew, W. D. 1909 C, 93.
1915 E, 317, 324.
Trouessart, E. L. 1904 A, 42 (H. wortmanni).
Lower Eocene (Wind River); Wyoming.

Hyopsodus sp. indet.

Granger and Simpson 1928 A, 1 (Diacodexus). Wasatch (Sand Coulee); Wyoming.
Matthew, W. D. 1909 C, 93, 96. Eocene (Wind River); New Mexico: (Bridger); Wyoming.
Osborn, H. F. 1909 D, 49. Eocene (Upper Huerfano); Colorado.
Sinclair and Granger 1911 A, 91.

HAPLOMYLUS Matthew. Type *Microsyops speirianus* Cope.

Matthew, W. D. 1915 E, 313.
Gregory, W. K. 1916 A, 244, pl. i, N.
Zittel and Schlosser 1923 A, 569.

Haplomylus speirianus (Cope).

Cope, E. D. 1880 O, 908 (Hyopsodus).
Hay, O. P. 1902 A, 791 (Microsyops).
Gregory, W. K. 1922 A, 120, fig. 55.
Matthew, W. D. 1909 C, 93 (Anaptomorphus).
1915 E, 313, figs. 1, 2.
Osborn, H. F. 1902 C, 174, 210, fig. 37 ("Microsyops"; Anaptomorphus?).
Trouessart, E. L. 1904 A, 40 (Anaptomorphus); 291 (Microsyops).
Lower Eocene (Wind River); Wyoming.

Suborder PROGLIRES Osborn.

Osborn, H. F. 1902 C, 203.
Abel, O. 1914 A, 51.
Hubrecht, A. A. W. 1908 A, 161.
Lydekker, R. 1903 D, 125.
Matthew, W. D. 1909 C, 92.
1909 D, 546, 549.
1912 B, 186.
Osborn, H. F. 1905 I, 101.
1907 G, 13, 144, 145.
1907 H, 613.
1910 B, 522.
Schlosser, M. 1911 A, 71.
Wortman, J. L. 1903 A, xv, 402.
Zittel and Schlosser 1911 A, 370.
1923 A, 448.

Superfamily MIXODECTOIDÆ, new name.

PLESIADAPIDÆ Trouessart.

Trouessart, E. L. 1897 A, 75.
Arldt, T. 1912 A, 704 (Apatemydidæ).
Gidley, J. W. 1923 A, 11.
Gregory, W. K. 1912 C, 194 (Apatemydidæ).
1913 A, 117 (Apatemydidæ).
1921 A, 70, 235.
1922 A, 116, 119, 279.
1927 I, 557, 559 ("plesiadapids").
Matthew, W. D. 1909 C, 96, 101 (Apatemydidæ).
1909 D, 298, 543 (Apatemydidæ).
1914 B, 387 (Apatemydidæ).
1915 F, 477 (Apatemydidæ).
1915 K, 444 (Apatemydidæ).
1916 I, 109 (Apatemydidæ).
1918 H, 569.
1921 A, 4.
Matthew, W. D. 1921 D, 214.
1928 B, 957, 965 (Plesiadapidæ); 975 (Apatemyidæ).
Ossenkopp, G. J. 1925 A, 473, 477.
Osborn, H. F. 1910 B, 522 (Apatemydidæ).
Simpson, G. G. 1928 A, 5.
Stehlin, H. G. 1916 B, 1388 (Apatemydæ).
Troxell, E. L. 1923 E, 503 (Apatemydidæ).
Trouessart, E. L. 1904 A, 289.
Weber and Abel 1928 A, 125, 739, 740.
Winge, H. 1917 A, 175 (Apatemydæ); 176 (Apatomydæ).
1923 A, 190 (Apatomyidæ).
Zittel and Schlosser 1911 A, 371.
1923 A, 642.
Schlosser arranges this family in the Lemuriformes.

APATEMYS Marsh. Type *A. bellus* Marsh.

Hay, O. P. 1902 A, 725.
Black, D. 1925 A, table.
Chardin, T. 1922 A, 24, 96.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 101.
1909 D, 544.
1917 C, 833.
1921 H, 511.
Osborn, H. F. 1910 B, 522.
Ossenkopp, G. J. 1925 A, 474.
Palmer, T. S. 1904 A, 111, 849.
Stehlin, H. G. 1916 B, 1388.
Weber and Abel 1928 A, 125.
Zittel and Schlosser 1923 A, 643.
Ossenkopp, G. J. 1925 A, 474.
Trouessart, E. L. 1904 A, 478.
Troxell, E. L. 1923 E, 504, figs. 3, 4.
Middle Eocene (Bridger); Wyoming.

Apatemys bellus Marsh.

Hay, O. P. 1902 A, 725.
Chardin, T. 1922 A, 94.
Matthew, W. D. 1909 C, 96.
1909 D, 545, pl. ii, figs. 1, 2.
Ossenkopp, G. J. 1925 A, 474.
Trouessart, E. L. 1904 A, 478.
Troxell, E. L. 1923 E, 503, figs. 1, 2.
Middle Eocene (Bridger); Wyoming.

Apatemys bellulus Marsh.

Hay, O. P. 1902 A, 725.
Matthew, W. D. 1909 C, 96.
1909 D, 544, pl. lii, figs. 3, 4.

Apatemys rodens Troxell.

Troxell, E. L. 1923 E, 504, figs. 5, 6.
Middle Eocene (Bridger); Wyoming.

PRONOTHODECTES Gidley. Type *P. matthewi* Gidley.

Gidley, J. W. 1923 A, 12.
Ossenkopp, G. J. 1925 A, 476.
Simpson, G. G. 1927 B, 5, 10.
Weber and Abel 1928 A, 740.

Pronothodectes matthewi Gidley.

Gidley, J. W. 1923 A, 12, pl. iii, fig. 2.
Ossenkopp, G. J. 1925 A, 476.
Paleocene (Fort Union); Montana.

PHENACOLEMUR Matthew. Type *P. præcox* Matthew.

Matthew, W. D. 1915 F, 479.
Black, D. 1925 A, table.
Carter, J. T. 1922 A, 604.
Chardin, T. 1922 A, 82, 95.
Gidley, J. W. 1923 A, 8.
Matthew, W. D. 1917 C, 833, 837.
1918 H, 569.
Ossenkopp, G. J. 1925 A, 474.
Stehlin, H. G. 1916 B, 1388, 1506.
Weber and Abel 1928 A, 740.
Zittel and Schlosser 1923 A, 642.

Phenacolemur citatus Matthew.

Matthew, W. D. 1915 F, 481, fig. 51.
1918 H, 569.
Ossenkopp, G. J. 1925 A, 474.
Lower Eocene (Wasatch); Wyoming.

Phenacolemur præcox Matthew.

Matthew, W. D. 1915 F, 479, figs. 49, 50.
Ossenkopp, G. J. 1925 A, 474.
Lower Eocene (Wasatch); Wyoming.

LABIDOLEMUR Matthew and Granger. Type *L. soricoides* Matthew and Granger.

Matthew and Granger 1921 A, 4.
Black, D. 1925 A, table.
Ossenkopp, G. J. 1925 A, 475.
Weber and Abel 1928 A, 740.
Zittel and Schlosser 1923 A, 642.

Labidolemur soricoides Matthew and Granger.

Matthew and Granger 1921 A, 4.
Ossenkopp, G. J. 1925 A, 475.
Reeside, J. B. 1924 A, 47.
Simpson, G. G. 1928 A, 15.
Paleocene (Tiffany); Colorado.

Labidolemur sp. indet.

Simpson, G. G. 1928 A, 15, fig. 14. Paleocene (Fort Union); Montana.

UINTASOREX Matthew. Type *U. parvulus* Matthew.

Matthew, W. D. 1909 D, 545.
Black, D. 1925 A, table.
Chardin, T. 1922 A, 96.
Matthew, W. D. 1917 C, 833.
Osborn, H. F. 1910 B, 522.
Ossenkopp, G. J. 1925 A, 474.
Troxell, E. L. 1923 E, 503.
Stehlin, H. G. 1916 B, 1388.
Zittel and Schlosser 1923 A, 643.

Uintasorex parvulus Matthew.

Matthew, W. D. 1909 D, 546, pl. lii, fig. 6.
Ossenkopp, G. J. 1925 A, 474.
Middle Eocene (Bridger); Wyoming.

PLESIADAPIS Gervais. Type *P. tricuspidens* Gervais.

Gervais, P. 1877, Jour. de Zool., Paris, VI, 76, figs. 1, 2.
Abel, O. 1914 A, 256.
1919 A, 875.
Chardin, P. T. 1927 A, 27.
Flower and Lydekker 1891 A, 698, fig. 334.
Jaekel, O. 1911 A, 215.
Nicholson and Lydekker 1889 A, 1467.
Ossenkopp, G. J. 1925 A, 475, 488, fig. 3.
Palmer, T. S. 1904 A, 547, 901.
Weber, M. 1904 A, 508, 511, 762.
Weber and Abel 1928 A, xxi, 740.
Zittel, K. A. 1890 A, 700, fig. 579.
Zittel and Schlosser 1911 A, 371.
1923 A, 642.

Plesiadapis sp. indet.

Simpson, G. G. 1928 A, 7 (This genus?).
Paleocene (Fort Union); Montana.

NOTHODECTES Matthew. Type *N. dubius* Matthew.

Matthew, W. D. 1915 F, 482.
Black, D. 1925 A, table.
Carter, J. T. 1922 A, 604.
Chardin, T. 1922 A, 96.
Gidley, J. W. 1917 B, 59.
1923 A, 9, 11, 15, 17.
Granger, W. 1917 A, 827.
Gregory, W. K. 1921 A, 77, pl. xxvii.
1922 A, 116, 513, fig. 54.
Matthew, W. D. 1918 H, 568, 569.
1921 A, 5.
1928 B, 957 (Syn. of Plesiadapis).
Ossenkopp, G. J. 1925 A, 475 (Syn. of Plesiadapis).
Simpson, G. G. 1928 A, 7.
Stehlin, H. G. 1916 B, 1388, 1506.
Weber and Abel 1928 A, 740.
Zittel and Schlosser 1923 A, 642, 666.

Nothodectes dubius Matthew.

Matthew, W. D. 1915 F, 482, fig. 52.
1917 C, 831.
Ossenkopp, G. J. 1925 A, 476 (Plesiadapis).
Simpson, G. G. 1927 B, 4.
Lower Eocene (Grey Bull); Wyoming.

Nothodectes gidleyi Matthew.

Matthew, W. D. 1917 C, 823.
Chardin, P. T. 1920 A, 1161.
1922 A, 20, 100.
Gidley, J. W. 1924 B, 47 (This species?).
Gregory, W. K. 1921 A, 70.
1922 A, 119, fig. 54.
Matthew, W. D. 1921 H, 509.
Ossenkopp, G. J. 1925 A, 476 (Plesiadapis).
Reeside, J. B. 1924 A, 47.

Simpson, G. G. 1927 B, 4, fig. 4 (This species?).
Paleocene (Tiffany beds); Colorado.

Nothodectes sp. indet.

Gidley, J. W. 1918 B, 59. Lower Eocene (Wasatch); Colorado.
Reeside, J. B. 1924 A, 46. Lower Eocene (Wasatch); Colorado.

STEHLINIUS Matthew. Type *S. uintensis* Matthew.

Matthew, W. D. 1921 A, 1.
Black, D. 1925 A, table.
Chardin, T. 1922 A, 94, 96.
Weber and Abel 1928 A, 125.
Zittel and Schlosser 1923 A, 643.

Stehlinius uintensis Matthew.

Matthew, W. D. 1921 A, 2, figs. 1, 2.
Chardin, T. 1922 A, 94 (S. uintahensis).
Weber and Abel 1928 A, 124, fig. 75.
Upper Eocene (Uinta); Utah.

TROGOLEMUR Matthew. Type *T. myodes* Matthew.

Matthew, W. D. 1909 D, 546.
Chardin, T. 1922 A, 96.
Matthew, W. D. 1915 F, 478.
1917 C, 833.
Ossenkopp, G. J. 1925 A, 474.
Stehlin, H. G. 1916 B, 1505.
Troxell, E. L. 1923 E, 503.
Zittel and Schlosser 1911 A, 549.
1923 A, 642.

Trogolemur myodes Matthew.

Matthew, W. D. 1909 D, 546, pl. lii, fig. 5.
Ossenkopp, G. J. 1925 A, 474.
Stehlin, H. G. 1916 B, 1387 (T. myoides).
Middle Eocene (Lower Bridger); Wyoming.

IGNACIUS Matthew and Granger. Type *I. frugivorus* Matthew and Granger.

Matthew and Granger 1921 A, 5.
Ossenkopp, G. J. 1925 A, 475.
Weber and Abel 1928 A, 740.
Zittel and Schlosser 1923 A, 642.
This genus is referred with doubt to the Plesiadapidæ.

Ignacius frugivorus Matthew and Granger.

Matthew and Granger 1921 A, 5.
Ossenkopp, G. J. 1925 A, 475.
Reeside, J. B. 1924 A, 47.
Paleocene (Tiffany); Colorado.

MIXODECTIDÆ Cope.

Cope, E. D. 1883 I, 80.
Hay, O. P. 1902 A, 786.
Abel, O. 1908 C, (36) (Oldobotidæ, Mixodectini).
1913 B, 711.
1914 A, 51, 254.
1919 A, 727.
Arldt, T. 1907 A, 237 ("mixodectiden").
1912 A, 704.
Earle, C. 1897 B, 310.
Gidley, J. W. 1923 A, 21.
Gregory, W. K. 1910 A, 331, 465.
1912 C, 194.
1913 A, 117.
Matthew, W. D. 1909 C, 92, 93, 95, 101.
1909 D, 298, 546.
1914 B, 387.
1915 A, 215.
1915 F, 467 (Mixodectidæ, Mixodectinæ).
1915 K, 444.
1917 C, 837.
Matthew, W. D. 1918 H, 566, 568.
1921 D, 212.
Osborn, H. F. 1901 D, 623.
1902 C, 203.
1902 D, 307.
1905 I, 101.
1910 B, 109, 111, 522.
Ossenkopp, G. J. 1925 A, 470, 477.
Schlosser, M. 1898 B, 361 (Anaptomorphidæ, Mixodectidæ).
1905 A, 325 ("mixodectiden").
1907 C, 222 (Oldobotidæ, Mixodectinæ).
1911 A, 70 ("mixodectiden").
Stehlin, H. G. 1916 B, 1320, 1502 ("mixodectiden").
Trouessart, E. L. 1904 A, 290.
Weber, M. 1904 A, 509.
Weber and Abel 1928 A, 124, 295, 718.
Winge, H. 1917 A, 175.
Zittel and Schlosser 1911 A, 370.
1923 A, 448, 665-667.

MIXODECTES Cope. Type *M. pungens* Cope.

Hay, O. P. 1902 A, 786.
Ameghino, F. 1902 B, 11.
1906 A, 284.
Chardin, T. 1922 A, 95, 96.
Earle, C. 1897 A, 689.
Granger, W. 1917 A, 825.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 403.
Hubrecht, A. A. W. 1908 A, 161.
Lydekker, R. 1903 D, 125.
Matthew, W. D. 1909 C, 101 (Mixodectes, Olbodotes).
1909 D, 546.
1910 E, 702 (Mixodectes, Olbodotes).
1915 F, 451, 467 (Olbodotes a syn.).
1918 H, 568.
1921 A, 5.
1924 E, 749.

Osborn, H. F. 1901 D, 623.
1902 C, 205 (Mixodectes); 203, 204 (Olbodotes, type O. copei Osborn).
1907 G, 89, figs. 43, 104 (Olbodotes); 145 (Mixodectes).
1909 D, 35.
1910 B, 120, 522.
Ossenkopp, G. J. 1925 A, 470.
Palmer, T. S. 1904 A, 428, 851 (Mixodectes); 472, 851 (Olbodotes).
Schlosser, M. 1900 B, 301.
1905 A, 326, 331 (Mixodectes); 331 (Olbodotes).
1908 B, 361.
1910 A, 507 (Olbodotes).
1911 A, 147 (Olbodotes).
Seeley, H. G. 1886 A, 518 (Oligobunis).
Stehlin, H. G. 1916 B, 1503 (Mixodectes); 1319, 1503 (Olbodotes).
Trouessart, E. L. 1904 A, 290.
Weber, M. 1904 A, 508, 511, 762.
Winge, H. 1917 A, 176 (Mixodectes, Olbodotes).
1923 A, 185, 191 (Mixodectes, Olbodotes).
Wortman, J. L. 1903 A, xv, 401, 402 (Mixodectes); 435 (Mixodectes, Olbodotes); xvi, 353 (Mixodectes, Olbodotes); 364 (Mixodectes).
Zittel and Schlosser 1911 A, 370 (Mixodectes, Olbodotes).
1923 A, 449 (Mixodectes, Olbodotes).

Mixodectes copei (Osborn).

Osborn, H. F. 1902 C, 175, 205, fig. 29 (Olbodotes).
Gardner, J. H. 1910 A, 733, fig. 9 (Olbodotes).
Ossenkopp, G. J. 1925 A, 470.
Schlosser, M. 1911 A, 71 (Olbodotes).
Trouessart, E. L. 1904 A, 290 (Olbotes).
Paleocene (Torrejon); New Mexico.

Mixodectes crassiusculus Cope.

Hay, O. P. 1902 A, 786.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Osborn, H. F. 1902 C, 175, 207, fig. 32.
Ossenkopp, G. J. 1925 A, 470.
Reeside, J. B. 1924 A, 41.
Seeley, H. G. 1886 A, 518 (M. crassivultus, Oligobunis).
Trouessart, E. L. 1904 A, 290.
Paleocene (Torrejon); New Mexico.

Mixodectes pungens Cope.

Hay, O. P. 1902 A, 787.
Abel, O. 1913 B, 711, fig. 12.
1914 A, 52, fig. 25.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Osborn, H. F. 1902 C, 175, 204, 206, figs. 28, 30, 31.
Ossenkopp, G. J. 1925 A, 470.
Reeside, J. B. 1924 A, 41.
Trouessart, E. L. 1904 A, 290.
Weber, M. 1904 A, 509, fig. 383.
Weber and Abel 1928 A, 295, fig. 184.
Wortman, J. L. 1903 A, xvi, 364.
Paleocene (Torrejon); New Mexico.

Mixodectes sp. indet.

Douglass, E. 1908 D, 19, pl. ii, figs. 9, 10
Paleocene (Fort Union); Montana.
Gregory, W. K. 1922 A, 117.

Indrodon Cope. Type *I. malaris* Cope.

Hay, O. P. 1902 A, 792.
Ameghino, F. 1906 A, 284.
Beddard, F. E. 1902 A, 552.
Brown, A. E. 1901 A, 123.
Dall, W. H. 1898 A, 347.
Earle, C. 1897 A, 681.
Gregory, W. K. 1922 A, 538.
1927 I, 558.
Loomis, F. B. 1922 A, 62.
Matthew, W. D. 1901 A, 6.
1909 C, 101.
Osborn, H. F. 1902 C, 208, fig. 34.
1907 G, 159, fig. 131.
1909 D, 35.
1910 B, 522.
Palmer, T. S. 1904 A, 350, 851.
Rosenberg, E. 1895 A, 295.
Schlosser, M. 1898 B, 363.
1900 B, 307.
1911 A, 72.
Scott, W. B. 1913 A, 580.
Stehlin, H. G. 1916 B, 1319, 1503.
Zittel and Schlosser 1911 A, 370.
1923 A, 449.

Indrodon malaris Cope.

Hay, O. P. 1902 A, 792.
Beddard, F. E. 1902 A, 552.
Gardner, J. H. 1910 A, 730.
Gregory, W. K. 1922 A, 117, fig. 50.
Matthew, W. D. 1909 C, 92.
1909 D, 512.
1914 B, 385.
Osborn, H. F. 1902 C, 170, 208, fig. 33.
Ossenkopp, G. J. 1925 A, 470.
Reeside, J. B. 1924 A, 41.
Rosenberg, E. 1895 A, 294.
Schlosser, M. 1908 B, 363.
Trouessart, E. L. 1904 A, 291.
Paleocene (Torrejon); New Mexico.

MICROSYOPSIDÆ Osborn.

Osborn, H. F. 1892 in Osborn and Wortman, 1892 A, 101.
Abel, O. 1908 C, (36).
Arldt, T. 1912 A, 704.
Gregory, W. K. 1916 B, 261.
Matthew, W. D. 1906 B, 361 (Microsyopidæ).
1909 C, 93, 95, 100 (Microsyopidæ).
1916 I, 109 (Microsyopidæ).
1917 C, 837 (Microsyopidæ).
1918 H, 566, 568.

Matthew, W. D. 1921 D, 214 (Microsyopidæ).
Osborn, H. F. 1909 D, 46, 52.
1910 B, 127, 623 (Microsyopidæ); 134 ("microsyopsids").
Ossenkopp, G. J. 1925 A, 470, 471.
Schlosser, M. 1905 A, 331.
Schlosser, M. 1907 C, 222 (Microsyopidæ).
1911 A, 62 ("microsyopiden").
Stehlin, H. G. 1912 A, 1286 ("microsyopiden").
1916 B, 1502 ("microsyopiden").
Weber and Abel 1928 A, 125, 718 (Microsyopidæ).
Wortman, J. L. 1903 A, xvi, 347, 352, 364, 368.

Cynodontomys Cope. Type *C. latidens* Cope.

Hay, O. P. 1902 A, 788.
Ameghino, F. 1902 B, 11.
Chardin, T. 1922 A, 24, 96.
Granger, W. 1914 A, 203.
Gregory, W. K. 1917 D, 630.
Haug, E. 1911 A, 1528.
Hubrecht, A. A. W. 1908 A, 161.
Matthew, W. D. 1909 C, 100.
1915 F, 466, 467, 470.
Osborn, H. F. 1901 D, 623.
1902 C, 205, 208.
1910 B, 127, 134, 522.
Ossenkopp, G. J. 1925 A, 471.
Palmer, T. S. 1904 A, 211, 851.
Schlosser, M. 1905 A, 328, 331.
1911 A, 72.
Stehlin, H. G. 1916 B, 1503.
Weber, M. 1904 A, 509.
Wortman, J. L. 1903 A, xv, 401; xvi, 353.
Zittel and Schlosser 1911 A, 370.
1923 A, 449.

Cynodontomys angulatus (Cope).

Hay, O. P. 1902 A, 744 (Chriacus).
Loomis, F. B. 1906 A, 282 (Pelycodus).
Matthew, W. D. 1909 C, 93.
1915 F, 473.
Osborn, H. F. 1902 A, 202 (Pelycodus).
Ossenkopp, G. J. 1925 A, 471 (Syn. of C. latidens).
Reeside, J. B. 1924 A, 46.
Trouessart, E. L. 1904 A, 40 (Anaptomorphus?); 159 (Chriacus).
Lower Eocene (Wasatch); New Mexico.

Cynodontomys angustidens Matthew.

Matthew, W. D. 1915 F, 477, figs. 41, 47, 48.
Ossenkopp, G. J. 1925 A, 471.
Lower Eocene (Wasatch); Wyoming.

Cynodontomys latidens Cope.

Hay, O. P. 1902 A, 788.
Loomis, F. B. 1906 A, 283, 285, fig. 7 (Notharctus palmeri); 284, 285, fig. 8 (Notharctus cingulatus).
Matthew, W. D. 1909 C, 92 (Notharctus cingulatus, N. palmeri); 93 (Cynodontomys latidens).
1915 F, 442, 473, figs. 41, 44-46 (Notharctus cingulatus, N. palmeri, syns.).
Osborn, H. F. 1902 C, 175, 208, 209, fig. 35 (To Microsyops?).
Ossenkopp, G. J. 1925 A, 471.
Trouessart, E. L. 1904 A, 291 (Microsyops, Cynodontomys).
Lower Eocene (Wind River and Wasatch); Wyoming: (San Juan); New Mexico.

Cynodontomys scottianus Cope.

Hay, O. P. 1902 A, 791 (Microsyops).
Matthew, W. D. 1909 C, 93 (Microsyops).
1915 F, 471, figs. 41-43.
Osborn, H. F. 1902 C, 175, 209, fig. 36 (Microsyops).
Ossenkopp, G. J. 1925 A, 471.
Trouessart, E. L. 1904 A, 291 (Microsyops).
Lower Eocene (Wind River); Wyoming.

Cynodontomys sp. indet.

Matthew, W. D. 1909 C, 93. Lower Eocene (Wind River); Wyoming.

Microsyops Leidy. Type *M. gracilis* Leidy.

Hay, O. P. 1902 A, 791 (Microsyops); 793 (Bathrodon); 794 (Mesacodon, Palæacodon).
Ameghino, F. 1906 A, 422.
Chardin, T. 1922 A, 24.
Delafontaine, M. 1875 A, 171 (Microsyops, Palæacodon).
Granger and Gregory 1917 A, 857.
Gregory, W. K. 1921 A, 58.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 348, 403 (Microsyops); 348 (Palæacodon).
Hubrecht, A. A. W. 1908 A, 161.
Matthew, W. D. 1909 C, 100.
1909 D, 548.
1915 F, 451, 466, 467, 468.
1918 H, 568.
1921 A, 5.
Osborn, H. F. 1898 V, 206.
1901 D, 623 (Microcyops).
Osborn, H. F. 1902 C, 177, 205, 209, figs. 4, 38, 39.
1907 G, 157, fig. 127.
1909 D, 49.
1910 B, 130, 134, 161, 522.
1912 G, 236, fig. 3.
Ossenkopp, G. J. 1925 A, 471, 485, 494.
Palmer, T. S. 1904 A, 134, 851 (Bathrodon), 424, 851 (Microsyops); 412, 851 (Mesacodon); 497, 851 (Palæacodon).
Schlosser, M. 1902 J, 132, 230.
1905 A, 326, 328, 331.
1911 A, 72.
Stehlin, H. G. 1916 B, 1503.
Trouessart, E. L. 1904 A, 291.
Wallace, A. R. 1876 A, i, 133 (Microsyops, Mesacodon).
Weber, M. 1904 A, 509 (Microsyops); 763 (Palæacodon).

Wortman, J. L. 1903 A, xv, 401; xvi, 352.
Zittel and Schlosser 1911 A, 370.
1923 A, 449, 569 (Syn. of Haplomylus).

Microsyops annectens (Marsh).

Hay, O. P. 1902 A, 793 (Bathrodon).
Matthew, W. D. 1909 C, 95.
Osborn, H. F. 1902 C, 173, 212, 213, fig. 40.
Ossenkopp, G. J. 1925 A, 472.
Schlosser, M. 1905 A, 332.
Wortman, J. L. 1903 A, xvi, 360, fig. 116.
Middle Eocene (Bridger); Wyoming.

Microsyops elegans (Marsh).

Hay, O. P. 1902 A, 791 (M. elegans, M. gracilis); 794 (Mesacodon speciosus).
Ameghino, F. 1906 A, 422, fig. 316.
Matthew, W. D. 1909 C, 95.
1909 D, 298.
1915 F, 468, figs. 38-40.
Osborn, H. F. 1902 C, 173, 212 (M. speciosus); 172, 198 (Notharctus); 172, 210 (M. gracilis).
Ossenkopp, G. J. 1925 A, 471.
Schlosser, M. 1905 A, 331.
Trouessart, E. L. 1904 A, 41 (Notharctus); 291 (M. gracilis, M. speciosus).
Wortman, J. L. 1903 A, xvi, 353-355, figs. 110-112 (Mesacodon speciosus a syn.).
Zittel and Schlosser 1911 A, 370, fig. 54.
1923 A, 449, fig. 571 (M. gracilis).
Middle Eocene (Bridger); Wyoming.

Microsyops schlosseri Wortman.

Wortman, J. L. 1903 A, xvi, 361, fig. 117.
Matthew, W. D. 1909 C, 95.
Ossenkopp, G. J. 1925 A, 472.
Schlosser, M. 1905 A, 332.
Middle Eocene (Bridger); Wyoming.

Microsyops typus (Marsh).

Hay, O. P. 1902 A, 793 (Bathrodon).
Matthew, W. D. 1909 C, 95.
1909 D, 303.
Osborn, H. F. 1902 C, 173, 212.
Ossenkopp, G. J. 1925 A, 472 (M. gracilis).
Schlosser, M. 1905 A, 331 (M. gracilis).
Trouessart, E. L. 1904 A, 291.
Wortman, J. L. 1903 A, xvi, 358, figs. 113, 114 (M. gracilis, not of Leidy).
Zittel and Schlosser 1911 A, 370, fig. 54 (M. gracilis).
Middle Eocene (Bridger); Wyoming.

Microsyops verus (Leidy).

Hay, O. P. 1902 A, 794 (Palæacodon).
Matthew, W. D. 1909 D, 298 (Syn. of M. elegans).
Osborn, H. F. 1902 C, 172, 210.
Ossenkopp, G. J. 1925 A, 471 (Syn. of M. elegans).
Trouessart, E. L. 1904 A, 291.
Middle Eocene (Bridger); Wyoming.

Microsyops sp. indet.

Matthew, W. D. 1909 C, 95. Middle Eocene (Bridger); Wyoming, Colorado.
Sinclair and Granger 1911 A, 91.

Suborder Menotyphla Haeckel.

Haeckel, E. 1866, Gen. Morph.
Broom, R. 1915 A, 347.
Carlsson, A. 1922 A, 231.
Carter, J. T. 1922 A, 601, 603.
Clark and Sonntag 1926 A, 454.
Gill, T. 1886 B, 136, 146 (Dilambdodonta).
Gregory, W. K. 1910 A, 268-285, 465.
1921 A, 70.
1922 A, 116, 152, 279.
Haeckel, E. 1868 A, 484.
Matthew, W. D. 1921 D, 214.
Matthew, W. D. 1928 B, 957, 965, 975.
Matthew and Granger 1925 A, 7.
Osborn, H. F. 1910 B, 522.
Ossenkopp, G. J. 1925 A, 478.
Simpson, G. G. 1928 A, 5.
Todd, T. W. 1922 A, 269.
Weber and Abel 1928 A, 97, 114.
Weber and Burlet 1927 A, xiii.
Winge, H. 1923 A, 183, 184.
Zittel and Schlosser 1911 A, 365.
1923 A, 444.

Apheliscidæ Matthew.

Matthew, W. D. 1918 H, 592.
The ordinal position of this family is uncertain.

Apheliscus Cope. Type *D. insidiosus* Cope.

Hay, O. P. 1902 A, 792.
Cope, E. D. 1880 U, 149, 153 (Prototomus).
Matthew, W. D. 1905 B, 71 (Prototomus).
1915 D, 71 (Prototomus).
1918 H, 567, 592.
Palmer, T. S. 1904 A, 111, 901 (Apheliscus); 586, 811 (Prototomus).
Trouessart, E. L. 1904 A, 291.
Wallace, A. R. 1876 A, I, 134 (Prototomus).
Zittel and Schlosser 1923 A, 639 (Prototomus; syn. of Pelycodus).

Apheliscus insidiosus Cope.

Hay, O. P. 1902 A, 792.
Lemoine, V. 1885 C, 207.
Matthew, W. D. 1918 H, 592, 596, figs. 20-24.
Lower Eocene (Grey Bull); New Mexico, Wyoming.

ADAPISORICIDÆ Schlosser.

Schlosser, M. 1887 B, 138.
Abel, O. 1914 A, 51, 54.
1919 A, 727.
Flower and Lydekker 1891 A, 634.
Nicholson and Lydekker 1889 A, 1459 (Adiposoricidæ).
Palmer, T. S. 1904 A, 869.
Simpson, G. G. 1928 A, 5.
Weber, M. 1904 A, 381 (Adapisorex).
Zittel, K. A. 1890 A, 774.
Zittel and Schlosser 1911 A, 369.
1923 A, 447 (Adapisorex).

LEIPSANOLESTES Simpson. Type *L. siegfriedti* Simpson.

Simpson, G. G. 1928 A, 6.

Leipsanolestes siegfriedti Simpson.

Simpson, G. G. 1928 A, 6, figs. 3, 3*a*.
Paleocene (Fort Union); Montana.

TUPAIIDÆ Mivart.

Mivart, St. G. 1868 A, 145.
Beddard, F. E. 1902 A, 511.
Carlsson, A. 1922 A, 227-270.
Carus, V. 1875 A, 89 (Tupajæ).
Clark, W. E. L. 1924 A, 559, figs. 1-6 (Tupaia).
Dobson, G. E. 1883 A, 2 (Tupaioidea).
Doran, A. H. G. 1878 A, 444.
Elliot, D. G. 1921 A, 185 (Tupaia).
Flower and Lydekker 1891 A, 617.
Gill, T. 1872 B, 19 (Tupayidæ).
1875 A, 107, 109.
1886 B, 141.
Gregory, W. K. 1910 A, 269.
1912 C, 194.
1913 A, 117.
1913 C, 247.
1922 A, 547.
1926 B, 415.
Hertz, M. 1925 A, fig. 44 (Tupaia).
Kandern, W. 1910 A (Tupajidæ).
Kingsley, J. S. 1925 A, 182, fig. 194 (Tupaia).
Matthew, W. D. 1909 D, 507.
Ossenkopp, G. J. 1925 A, 478.
Owen, R. 1868 A, 307 ("tupais").
Palmer, T. S. 1904 A, 875.
Roger, O. 1896 A, 25 (Tupajidæ).
Schlosser, M. 1887 B, 89, 114 (Tupajidæ).
Todd, T. W. 1922 A, 269.
Trouessart, E. L. 1904 A, 121.
Weber, M. 1904 A, 365, 376 (Tupajidæ).
Weber and Abel 1928 A, 94, 97, 115, 116, 125.
Woodward, M. F. 1896 A, 558 (Tapaia).
Zittel, K. A. 1893 B, 566 (Tupajidæ).
Zittel and Schlosser 1911 A, 366 (Tupajidæ).
1923 A, 447 (Tupajidæ).

ENTOMOLESTES Matthew. Type *E. grangeri* Matthew.

Matthew, W. D. 1909 D, 541.
Chardin, T. 1922 A, 18, 48.
Gregory, W. K. 1912 C, 194.
1913 A, 117.
1913 C, 249.
Matthew, W. D. 1915 A, 226.
1915 K, 442.
1918 H, 597.
Osborn, H. F. 1910 B, 522.
Ossenkopp, G. J. 1925 A, 478.
Simpson, G. G. 1928 A, 5.
Weber and Abel 1928 A, 125.
Zittel and Schlosser 1911 A, 368.
1923 A, 447.

Entomolestes grangeri Matthew.

Matthew, W. D. 1909 D, 542, pl. l, fig. 2.
Gregory, W. K. 1910 E, 919.
1911 D, 419.
1912 C, 194.
1913 C, 249.
1922 A, 118, fig. 52.
Ossenkopp, G. J. 1925 A, 478.
Middle Eocene (Bridger); Wyoming.

Entomolestes nitens Matthew.

Matthew, W. D. 1918 H, 597, figs. 25, 26.
Ossenkopp, G. J. 1925 A, 479.
Lower Eocene (Wasatch); Wyoming.

PLAGIOMENIDÆ Matthew.

Matthew, W. D. 1918 H, 599.
A family of uncertain position.

PLAGIOMENE Matthew. Type *P. multicuspis* Matthew.

Matthew, W. D. 1918 H, 601.

Plagiomene multicuspis Matthew.

Matthew, W. D. 1918 H, 601, figs. 27-32.
Lower Eocene (Wasatch); Wyoming.

CORIPHAGUS Douglass. Type *C. montanus* Douglass.

Douglass, E. 1908 D, 17.
Zittel and Schlosser 1923 A, 522.

Coriphagus montanus Douglass.

Douglass, E. 1908 D, 17, pl. ii, figs. 3, 4.
Lull, R. S. 1915 D, 326.
Matthew, W. D. 1914 B, 390.
Paleocene (Fort Union); Montana, Wyoming.

MEGOPTERNA Douglass. Type *M. minuta* Douglass.

Douglass, E. 1908 D, 18.

Megopterna minuta Douglass.

Douglass, E. 1908 D, 18, pl. i, figs. 5, 6.

Lull, R. S. 1915 D, 326.

Matthew, W. D. 1914 B, 390 (Megapterna).

Paleocene (Fort Union); Montana, Wyoming.

Order CHIROPTERA Blumenbach.

Blumenbach, J. F. 1779, Handbuch Naturgeschichte, ed. 1, 58, 74.

Hay, O. P. 1902 A, 741.

Abel, O. 1908 F, (234) ("chiropteren").
1909 D, (222) ("fledermäuse").
1910 B, (186).
1912 F, 302, 665.
1913 B, 711.
1914 A, 54.
1919 A, 729.
1920 A, 420.
1921 A, 274 ("fledermäuse").

Adloff, P. 1910 B, 230.

Ärnbeck-Christie-Linde, A. 1909 A, 572.

Agassiz, L. 1844 C, 255 ("chéiroptères").

Allen, H. 1864 A.

Ameghino, F. 1889 A, 1009.

Anderson, R. J. 1912 D, 252 (Cheiroptera).

Anthony, R. 1910 A, 783 ("chéiroptères").
1912 A ("chéiroptères").

Arldt, T. 1907 D, 645.
1912 A, 686.

Bardeleben, K. 1885 B, 85 ("fledermäuse").

Bardenfleth, K. S. 1913 A, 71.

Bayer, F. 1897 A, 149.

Beddard, F. E. 1902 A, 521.

Behlen, H. 1906 A, 197 ("fledermäuse").

Bertelli, D. 1909 A, 181 ("chirotteri").

Beyer, H. 1908 A, 78, 81 ("fledermäuse").

Bizot, —— 1912 A, 131 ("chéiroptères").

Black, N. 1900 A, 17 (Cheiroptera).

Blainville, H. M. D. 1838 A, 357 ("chéiroptères").

Bluntschli, H. 1912 B, 390 ("chiropteren").

Bolk, L. 1921 B, 169 (Cheiroptera).

Bonaparte, C. L. 1832 A, 284 (Cheiroptera).
1833 A, 1043 ("chéiroptères").

Bonsdorff, E. J. 1871 A, 318.

Branca, W. 1908 B, 14 ("fledermäuse").
1915 A, 50.

Brandt and Woldrich 1887 A, 15.

Broom, R. 1897 B, 252.
1902 D, 550.
1911 C, 319.
1914 F, 296.
1915 A, 162.

Carus, V. 1875 A, 77.

Carus and Engelmann 1861 A, 1300, 1687.

Case, E. C. 1899 B, 182.

Chandler, A. C. 1914 B, 134 (Cheiroptera).

Chapman, H. C. 1904 A, 149.

Claus, C. 1895 A, 349 ("fledermäuse").

Cockerell, Miller and Prinz 1914 A, 349.

Cope, E. D. 1885 BB, 72.
1891 N, 67, 72, 90.

Cuvier, F. 1808 A, 30, 34, pl. iii ("chéiroptères").

Cuvier, G. 1805 A ("chéiroptères").

Dependorf, T. 1907 C, 108 ("chiropteren").

Depéret, C. 1908 A, 306.

Dieterich, K. 1841 A, 73 ("handflügler").

Dobson, G. E. 1882 A, 200.

Döderlein, L. 1900 B, 55 ("chiropteren").

Doran, A. H. G. 1878 A, 445.

Eggeling, H. 1904 A, 98 ("chiropteren").

Eimer, G. H. T. 1901 A, 258 ("fledermäuse").

Elliot, D. G. 1901 A, 396.

Fischer, J. B. 1829 A, 80.

Foote, J. S. 1916 A, 75 ("bats").

Frey, H. 1911 A, 398 ("chiropteren").

Gaupp, E. 1906 B, 850.
1912 B, 219 ("chiropteren").
1913 A, 125 ("chiropteren").

Gegenbaur, C. 1864 C, 188 ("chiroptern").
1879 A, 522 ("chiropteren").
1888 A, 396 ("fledermäuse").

Gervais, P. 1853 B, 37 ("chéiroptères").

Ghigi, A. 1900 B, 99 ("chirotteri").

Giebel, C. G. 1855 A, 8.
1883 A ("chiropteren").

Gill, T. 1886 B, 159.

Gottlieb, H. 1914 A, 186.

Gray, J. E. 1821 A, 299 (Cheiroptera).

Gregory, W. K. 1920 A, 200, 248.

Haeckel, E. 1868 A, 485.
1873 A, 544.

Hensel, R. 1879 A, 545 ("chiropteren").

Hilzheimer, M. 1913 A, 569.

Hoernes, R. 1886 A, 702.

Hogben, L. T. 1919 A, 76.

Humphry, G. M. 1876 A, 668.

Huxley, T. H. 1859 D, 435 (Cheiroptera).
1863 E, 553 (Cheiroptera).
1870 F, 527, 537.

Jaekel, O. 1911 A, 211 (Chiropteri).

Kampfen, P. N. 1905 A, 454.

Kingsley, J. S. 1925 A, 206, 295.

Koch, C. 1863 A, 261-593.

Köstlin, O. 1844 A ("cheiropteren").

Kükenthal, W. 1913 A, 678.

Lataste, F. 1887 A, 266 ("chiroptères").

Leboucq, H. 1884 A, 71 ("chéiroptères").

Leche, W. 1887 A.
1893 B, 121.
1900 A, 991, 1016.
1921 A, 35.

LeDamany, P. 1903 A, 273 ("chéiroptères").
1903 D, 349 ("chauve souris").
1903 E, 365 ("chéiroptères").
1903 G, 321 ("chauve souris").
1906 A, 66 ("chéiroptères").

Leunis and Ludwig 1883 A, 169.

Lobley, J. L. 1908 A, 194, 200 (Cheiroptera).

Lubosch, W. 1911 B, 744 ("chiropteren").
1914 A, 425 ("fledermäuse").

Lull, R. S. 1906 B, 560.

Major, C. J. F. 1880 A, 40.
1899 B, 62.

Martins, C. 1857 A ("chéiroptères").

Martins, C. 1872 A, 308 ("chéiroptères").
Matthew, W. D. 1909 D, 537, 542.
1915 A, 227.
1916 A, 480.
1917 B, 569.
1928 B, 957, 966.
Mead, C. S. 1906 A, 480 (Cheiroptera).
Meckel, J. F. 1825 A ("cheiropteren").
Miller, G. S. 1912 A, 134.
1912 B, 29.
1924 C, 37.
Mitchell, P. C. 1905 A, 492.
Mysberg, W. A. 1917 A. 651.
Nopcsa, F. 1907 A, 226.
Oken, L. 1823 A, 315 ("fledermäuse").
Osborn, H. F. 1902 E, 356, fig. 1 (Cheiroptera).
1905 I, 99 (Cheiroptera).
1905 N, 242 (Cheiroptera).
1907 G, 12, 119, 121, 129 (Cheiroptera).
1909 D, 45, 56 (Cheiroptera).
1910 B, 259, 261, 523 (Cheiroptera).
1925 B, 18 (Cheiroptera).
Owen, R. 1857 E.
1858 A, 23 (Cheiroptera).
1868 A, 872.
Palacký, J. 1902 D, 1.
Pander and Alton 1831 A, 1 ("chiropteren").
Parker and Haswell 1897 A, 518.
Paulli, S. 1900 B, 488, 533.
Pettigrew, J. B. 1872 A, 336 ("bats").
Pictet, F. J. 1853 A, 163 ("chéiroptères").
Plieninger, F. 1906 A, 408 ("chiropteren").
Puccioni, N. 1908 A, 41 (Cheiroptera).
Pycraft, W. P. 1902 B, 315, fig. 2.
Regalia, E. 1880 A, 519 ("chéiroptères").
Rehs, J. 1914 A, 2, 110.
Retterer and Vallois 1912 D, 450 ("chéiroptères").
1912 E, 596 ("chéiroptères").
Retzius, A. 1849 A, 614.
Revilliod, P. 1915 A, 223 ("chiroptères").
1916 A, 156 ("chiroptères").
1917 A.
Reynolds, S. H. 1897 A, 536.
Römer, F. 1907 A, 69 ("chiropteren").
Schlosser, M. 1910 A, 501 ("chiropteren").
Schmidt, O. 1886 A, 291 (Cheiroptera).
Sclater, P. L. 1875 A, 207.
Scott, W. B. 1917 A, 127, 144 ("bats").
Seeley, H. G. 1872 A, 277 ("bats").
1878 A, 225 (Cheiroptera).
Spillman, F. 1925 A, 187 ("chiropteren").
Steinmann, G. 1907 A, 470.
1912 B, 718 ("fledermäuse").
Stromer, E. 1902 B, 554, 560 ("chiropteren").
1912 A, 178, 243.
Taschenberg, O. 1899 A, 4442.
Terra, P. 1911 A, 272.
Thacker, A. G. 1914 A, 283 ("bats").
Thomas, O. 1908 A, 346.
Tims, H. W. M. 1903 A, 145 (Cheiroptera).
Törne, O. 1913 A, 431 ("chiropteren").
Trouessart, E. L. 1878 A, 1 ("chiroptères").
1904 A, 48.
1906 A, 66 ("chauves souris").
Vallois, H. V. 1921 B, 975 ("chéiroptères").
Van Bemmelen, J. F. 1928 A, 283 ("chauves-souris").
Van Beneden, P. J. 1853 A, 340 ("chéiroptères").
Vicq-d'Azyr, F. 1819 A, 1 (Pteropodii).
Vogt, C. 1879 A, 246 ("chauves souris").
Wiman, C. 1925 B, 16.
Wagner, R. 1843 A, 12.
Wallace, A. R. 1876 A, I, 492; II, 567.
1894 A, 435 ("bats").
Walmsley, T. 1918 A, 328 (Cheiroptera).
Weber, M. 1904 A, 382.
Weber and Abel 1928 A, 129, 147.
Weber and Burlet 1927 A.
Weidenreich, F. 1925 A, 39 ("chiropteren").
Wilckens, O. 1911 A, 711 ("fledermäuse").
Wilder, B. 1872 B, 315, 316, 320 (Cheiroptera).
Winge, H. 1923 A, 218.
Woodward, H. 1904 B, 163.
Wortman, J. L. 1902 A, XIII, 45.
1920 A, 15 (Cheiroptera).
Young, G. W. 1915 A, 259.
Zaaijer, T. 1894 A, 339.
Zittel and Schlosser 1911 A, 373.
1923 A, 451.

Suborder ANIMALIVORA Gill.

Gill, T. 1872 B, 16.
Unless otherwise indicated the authors, as quoted, employ the name Microchiroptera.
Abel, O. 1914 A, 54.
Arldt, T. 1907 D, 144.
Beddard, F. E. 1902 A, 526.
Bizot, —— 1912 A, 131 ("microchéiroptères").
Branca, W. 1915 A, 67.
Cope, E. D. 1891 N, 72, 90 (Animalivora).
Flower, W. H. 1883 D, 410.
Gill, T. 1886 B, 161, 163.
Gregory, W. K. 1910 A, 318, 465 (Animalivora).
Miller, G. S. 1907 A, 15, 78.
1912 A, 134.
1912 B, 29.
Reynolds, S. H. 1897 A, 371.
Trouessart, E. L. 1904 A, 67.
Weber and Abel 1928 A, 135, 149 (table), 151.
Weber and Burlet 1927 A, xiv.
Zittel and Schlosser 1911 A, 374 ("microchiropteren").
1923 A, 452.

Superfamily VESPERTILIONOIDÆ, new form.

Weber and Abel 1928 A, 149 (table), 155 (Vespertilionoidea).
Weber and Burlet 1927 A, xiv (Vespertilionoidea).

VESPERTILIONIDÆ Gray.

Gray, J. E. 1821 A, 299.
Hay, O. P. 1902 A, 742.
Ärnbäck-Christie-Linde, A. 1909 A, 578.
Allen, H. 1864 A, 11.

Anderson, R. J. 1912 E, 907.
Arldt, T. 1907 C, 677.
1907 D, 688.
1912 A, 704.
Beddard, F. E. 1902 A, 528.
Bizot, —— 1912 A, 132 ("vesperontilionidés").
Chandler, A. C. 1914 B, 134.
Cope, E. D. 1880 U, 154.
Cuvier, F. 1808 A, 36 ("vespertilions").
Dobson, G. E. 1882 A, 201.
Doran, A. H. G. 1878 A, 448.
Elliot, D. G. 1901 A, 396.
Gervais, P. 1852 A, 7 ("vespertilions").
1859 A, 13 ("vespertilionides").
Gill, T. 1886 B, 165.
Gray, J. E. 1825 B, 338.
Hasse and Schwarck 1870 A, 89, fig. 24 ("fledermäuse").
Hay, O. P. 1923 A, 312.
Leunis and Ludwig 1883 A, 176 (Vespertilionina).
Lobley, J. L. 1908 A, 200, 204.
Miller, G. S. 1907 A, 79, 195, 281.
1912 A, 165.
1924 C, 67.
Palacký, J. 1902 D, 2 ("vespertilioniden").
Palmer, T. S. 1904 A, 776, 806.
Rehs, J. 1914 A, 110.
Revilliod, P. 1916 A, 158.
Seton, E. T. 1909 A, 1147.
Terra, P. 1911 A, 273.
Törne, O. 1913 A, 431 ("vespertilioniden").
Trouessart, E. L. 1878 A, 7.
1904 A, 74.
Wallace, A. R. 1876 A, II, 183.
1894 A, 435.
Weber, M. 1904 A, 400, 403.
Weber and Abel 1928 A, 136, 140, 149 (table), 155.
Winge, H. 1923 A, 236, 256, 273, 274.
Zittel and Schlosser 1923 A, 452.

VESPERTILIONINÆ.

Ärnbäck-Christie-Linde, A. 1909 A, 572.
Arldt, T. 1912 A, 748 (Vespertilioneæ).
Lesson, R. P. 1842, Nouv. Tab. Règne Anim., Mamm., 21 (Vespertilioneæ).
Miller, G. S. 1907 A, 197, 281.
1912 A, 165.
Miller, G. S. 1912 B, 54.
1924 C, 67.
Weber, M. 1904 A, 401, 404.
Winge, H. 1923 A, 236, 274 (Vespertilionini); 256 (Vespertiliones).

MYOTIS Kaup. Type *Vespertilio myotis* Borkh.

Kaup, J. J. 1829, Skizz. Entw.-Gesch. u. natürl. Syst. europ. Thierw., I, 106.
Allen, H. 1864 A, 46 (Vespertilio; not of Linnæus).
1893 A, 193 (Vespertilio).
Dobson, G. E. 1878 A, 284 (Vespertilio, not of Linnæus).
Elliot, D. G. 1901 A, 400.
Gervais, P. 1859 A, 15.
Miller, G. S. 1897 A, 15, 54, 55.
1912 B, 54.
1924 C, 67.
Osborn, H. F. 1909 D, 90.
Palmer, T. S. 1904 A, 442, 807.
Seton, E. T. 1909 A, 1147.
Törne, O. 1913 A, 431 (Vespertilio).
Trouessart, E. L. 1904 A, 90.
Weber and Abel 1928 A, 137, 156, figs. 82-84.

Myotis subulatus Say.

Say, T. 1823, Long's Exped. Rocky Mts., II, 65 (Vespertilio).
Allen, H. 1864 A, 51 (Vespertilio).
Allen, H. 1893 A, 80 (Vespertilio).
Brown, B. 1908 A, 175, pl. xv (Myiotis. This species?).
Elliot, D. G. 1901 A, 405.
Hay, O. P. 1914 A, 32 (This species?).
1923 A, 310, 398.
Mercer, H. C. 1897 A, 58, 60 (Vespertilio gryphus).
Miller, G. S. 1897 A, 75.
1912 B, 58.
1924 C, 72.
Rhoads, S. N. 1903 A, 227.
Seton, E. T. 1909 A, 1163, text-fig. 264, map 64.
Trouessart, E. L. 1904 A, 93.
Recent; North America east of Rocky Mountains: Pleistocene; Pennsylvania, Arkansas, Tennessee.

Myotis sp. indet.

Gidley, J. W. 1913 B, 96. Pleistocene; Maryland.
Hay, O. P. 1923 A, 491. Pleistocene; Maryland, Pennsylvania.

PIPISTRELLUS Kaup. Type *Vespertilio pipistrellus* Schreber.

Hay, O. P. 1902 A, 742.
Ärnbäck-Christie-Linde, A. 1909 A, 573 (Pipistrellus); 574 (Vesperugo).
Allen, J. A. 1892 A, 209, 215, 216, 226 (Vesperugo).
Blainville, H. M. D. 1838 A, 362 (Vespertilio).
Eggeling, H. 1904 A, 98 (Scotophilus).
Gill, T. 1886 B, 166 (Vesperugo).
Leche, W. 1893 B, 122 (Vesperugo).
1900 A, 1019 (Vesperugo).
Miller, G. S. 1907 A, 204.
Miller, G. S. 1912 A, 202.
1924 C, 74.
Palacký, J. 1902 D, 3 (Vesperugo).
Palmer, T. S. 1904 A, 705, 808 (Vesperugo).
Regalia, E. 1880 A, 520 (Vesperugo).
Retterer and Vallois 1912 D, 451 (Vesperugo).
1912 E, 597 ("pipistrelle").
Taschenberg, O. 1899 A, 4703 (Vesperugo).
Törne, O. 1913 A, 432, figs. 1-5 (Vesperugo).
Trouessart, E. L. 1904 A, 80.
Weber and Abel 1928 A, 143.

Zuckerkandl, E. 1908 A, 499, 512, 536 (Vesperugo).

Pipistrellus anemophilus (Cope).

Hay, O. P. 1902 A, 742.

Matthew, W. D. 1917 B, 569 (Vesperugo).
Palacký, J. 1902 D, 2 (Vesperugo anemofilus).
Seeley, H. G. 1886 A, 465 (Vesperugo).
Winge, H. 1923 A, 270 (Vesperugo).
Eocene (Wind River); Wyoming.

EPTESICUS Rafinesque. Type *E. melanops* Rafinesque = *E. fuscus*.

Rafinesque, C. S. 1820, Ann. Nature, 2.
Unless otherwise indicated the authors, as quoted, employ the generic name *Vespertilio*. In many cases it is used in a wide sense; sometimes perhaps it does not include *Eptesicus*.
Hay, O. P. 1902 A, 742.
Ärnbäck-Christie-Linde, A. 1909 A, 573, 574.
Allen, H. 1864 A, 72 (Eptesicus).
Allen, J. A. 1892 A.
Ameghino, F. 1889 A, 1027.
Arldt, T. 1907 D, 120, 154.
Baker, F. C. 1920 A, 208, 214, 397.
Beddard, F. E. 1902 A, 529.
Bertelli, D. 1909 A, 181.
Blainville, H. M. D. 1838 A, 362.
Bronn, H. G. 1848 B, 1365.
1849 A, 725.
Cuvier, G. 1805 A.
Eggeling, H. 1904 A, 98.
Eimer, G. H. T. 1901 A, 22.
Elliot, D. G. 1901 A, 410.
Fischer, E. 1903 A, 710.
Fischer, J. B. 1829 A, 100 (Vespertilio).
Foote, J. S. 1916 A, 80, pl. viii.
Gervais, P. 1852 A, 8.
Gidley, J. W. 1906 F, 94.
Giebel, C. G. 1855 A, 12.
Gill, T. 1886 B, 166.
1907 A, 492.
Grinnell, H. W. 1918 A, 314.
Heilprin, A. 1887 A, 349, 351, 354.
Leboucq, H. 1884 A, 71.
Leche, W. 1900 A, 1018, fig. 102.
Leunis and Ludwig 1883 A, 179.
Leydig, F. 1859 A, 679, 684.
Lubosch, W. 1911 B, 744, 746.
Meckel, J. F. 1825 A.
Merriam, C. H. 1892 A, 62.
Miller, G. S. 1907 A, 207, 268 (Eptesicus); 209, 281 (Vespertilio).
1912 A, 224 (Eptesicus); 238 (Vespertilio).
1912 B, 61 (Eptesicus).
1924 C, 76.
Nehring, H. 1880 A.
Osborn, H. F. 1909 D, 90.
1910 B, 259, 469, 525.
Owen, R. 1845 B, 425, pl. cxii, figs. 1-4.
1866 B, 387.
Palmer, T. S. 1904 A, 268, 807 (Eptesicus); 705, 808 (Vespertilio).
Rehs, J. 1914 A, 110.
Taschenberg, O. 1899 A, 702 (Vespertilio).
Törne, O. 1913 A, 432 (Vesperugo).
Trouessart, E. L. 1878 A, 7.
1904 A, 77.
Wagner, R. 1843 A.
Weber, M. 1904 A, 404, 406.
Weber and Abel 1928 A, 133, 156, fig. 81.
Winge, H. 1893 A, 36.
1893 B, 84.
1923 A, 237, 274.
Zittel and Schlosser 1923 A, 452, fig. 574 (Vespertilio).

Eptesicus fuscus (Beauvois).

Beauvois, —— 1796, Cat. Peale's Mus., Phila., 14 (Vespertila).
Hay, O. P. 1902 A, 742 (Vespertilio).
Allen, H. 1864 A, 72 (E. melanops).
Elliot, D. G. 1901 A, 410 (Vespertilio).
Grinnell, H. W. 1918 A, 314, pl. xviii, fig. 13; pl. xxiii, fig. 52; pl. xxiv, fig. 60; text-fig. Q.
Hay, O. P. 1923 A, 398 (Adelonycteris).
Mercer, H. G. 1894 A, 98 ("dusky bat").
1897 A, 59, fig. 17 (Adelonycteris).
Miller, G. S. 1897 A, 96, figs. 25, 26 (Vespertilio).
1912 B, 62.
1924 C, 76.
Rhoads, S. N. 1903 A, 227.
Schlosser, M. 1899 O, 151 (Adelonycteris).
Recent; larger part of North America: Pleistocene; Tennessee.

Eptesicus fuscus grandis (B. Brown).

Brown, B. 1908 A, 174, pl. xv (Vespertilio).
Gidley, J. W. 1906 F, 107, pl. iv, fig. 7 (Vespertilio).
1913 B, 96 (Vespertilio grandis).
Hay, O. P. 1914 A, 32.
1923 A, 310.
Seton, E. T. 1909 A, 1177, map 66.
Pleistocene; Arkansas, Maryland.

ANTROZOUS H. Allen. Type *Vespertilio pallidus* Le Conte.

Allen, H. 1862, Proc. Acad. Nat. Sci. Phila., 248.
1864 A, 66.
1893 A, 64.
Dobson, G. E. 1878 A, 170.
Elliot, D. G. 1901 A, 396.
Gill, T. 1886 B, 166.
Grinnell, H. W. 1918 A, 347.
Merriam, C. H. 1892 A, 61.
Miller, G. S. 1897 A, 42.
1924 C, 84.
Trouessart, E. L. 1904 A, 74.
Winge, H. 1893 A, 37.
Winge, H. 1923 A, 238, 274.

Antrozous pallidus pacificus Merriam.

Merriam, C. H. 1897, Proc. Biol. Soc. Wash., XI, 180.
Grinnell, H. W. 1918 A, 352 (A. pacificus).
Hay, O. P. 1927 D, 215.
Miller, G. S. 1912 B, 68.
1924 C, 84.
Miller and Stock 1925 A, 10.
Recent; southwestern United States: Pleistocene (Potter Creek cave); California.

Superfamily PHYLLOSTOMOIDÆ, new form.

Weber and Abel 1928 A, 149 (table), 153 (Phyllostomatoidea).

PHYLLOSTOMIDÆ Waterhouse.

Waterhouse, G. R. 1838 (*fide* Palmer).
Cuvier, F. 1808 A, 34 ("phyllostomes").
Gill, T. 1886 B, 172.
Leche, W. 1895 A, 75 (Phyllostoma).
Palmer, T. S. 1904 A, 801 (Phyllostomatidæ).
Weber and Abel 1928 A, 134, 140, 149 (table) 153 (Phyllostomatidæ).

ZANYCTERIS Matthew. · Type *Z. paleocenus* Matthew.

Matthew, W. D. 1917 B, 569.
1928 B, 957.
Reeside, J. B. 1924 A, 47.
Winge, H. 1923 A, 270.

Zanycteris paleocenus Matthew.

Matthew, W. D. 1917 B, 569.
1917 C, 831.
Reeside, J. B. 1924 A, 47.
Weber and Abel 1928 A, 159 (Palæonycteris). Eocene or Paleocene (Ignacio); Colorado.

Order CARNIVORA.

Hay, O. P. 1902 A, 743 (Feræ).
Abel, O. 1901 B, 313 ("raubthiere").
1906 A, 56 ("carnivoren").
1912 D, 599 ("carnivoren").
1912 F, 378, 664.
1913 B, 711.
1914 A, 57.
1919 A, 729.
1920 A, 420.
1921 A, 138 ("carnivoren").
1922 C, 280 ("raubtiere").
Adloff, P. 1903 A, 362 ("carnivoren").
1910 B, 232 ("carnivoren").
Ameghino, F. 1889 A, 1008.
1905 C, 439.
1906 A, 285, 356, 395.
1912 B, 171 ("carnivores").
Anderson, R. J. 1912 D, 252.
Anthony, R. 1905 A, 853 ("carnassiers").
1912 A ("carnassiers").
Arldt, T. 1907 B, 449 ("carnivoren").
1907 D, 643.
Baird, S. F. 1876 A, 305.
Bardeleben, K. 1885 B, 85 ("raubthiere").
1885 C, 151 ("carnivoren").
1889 A, 107 ("carnivoren").
1889 B, 259.
1904 A, 111 ("karnivoren").
Bardenfleth, K. S. 1913 A, 99.
Bateson, W. 1892 A, 104.
Beddard, F. E. 1902 A, 386.
Behlen, H. 1906 A, 198 ("fleischfresser").
1907 A ("carnivoren").
Bertelli, D. 1909 A, 175.
Beyer, H. 1908 A ("raubtiere").
1909 A, 29 ("raubtiere").
Birula, A. A. 1913 A, 219.
Black, N. 1900 A, 19.
Bluntschli, H. 1913 A, 42 ("carnivoren").
Boas, J. E. V. 1909 A, 525 ("raubtiere").
1914 B, 577 ("carnivoren").
Bonaparte, C. L. 1832 A, 285 (Feræ); 286 (Carnivora).
1833 A, 1043.
Branca, W. 1907 A, 10 ("carnivoren").
Brandt and Woldrich 1887 A, 22.
Broom, R. 1897 B, 252.
Broom, R. 1926 A, 263.
Carruccio, A. 1913 B, 177 (Carnivori).
Carus, V. 1875 A, 118.
Carus and Engelmann 1861 A, 1299, 1687.
Case, E. C. 1899 B, 177.
Caush, D. E. 1904 A, 157.
Chandler, A. C. 1914 B, 134.
Clark and Sonntag 1926 A, 461, 481.
Cleland, J. 1863 B, 300.
Cope, E. D. 1875 Y, 444.
1885 BB, 73.
1891 N, 67, 75, 90.
Cuvier, F. 1807 A, 114 ("carnassiers").
1808 D, 27 ("carnassiers").
1825 A, 77 ("carnivores").
Cuvier, G. 1805 A ("carnivores").
Dana, J. D. 1863 C, 333 ("carnivores").
Dependorf, T. 1907 C, 108 ("carnivoren").
Dollo, L. 1889 G, 675 ("carnivores").
Doran, A. H. G. 1878 A, 371, 390.
Eggeling, H. 1904 A, 97 ("carnivoren").
Eimer, G. H. T. 1901 A, 257 ("carnivoren").
Eisler, P. 1895 A, 54 ("karnivoren").
Ellenberger and Baum 1903 A ("fleischfresser").
Elliot, D. G. 1901 A, 293.
Erdl, M. 1843 A, 507 ("raubthiere").
Fawcett, E. 1917 A, 326.
Fleischmann, A. 1904 A, 495 ("carnivoren").
Flower, W. H. 1870 A, 244.
Frassetto, F. 1903 A, 177.
1915 A, 21, 62 ("carnivori").
Frey, H. 1911 A, 410 ("carnivoren").
Fuchs, H. 1906 A, 12 ("karnivoren").
1907 A, 152 ("raubtiere").
1914 A, 31 ("karnivoren").
Ganzer, H. 1908 A, 159.
Gaudry, A. 1891 C, 52.
1906 A, 12 ("carnivores").
Gaupp, E. 1905 D, 1039 ("karnivoren").
1906 B, 850.
1910 D, 92 ("carnivoren").
1911 D, 621 ("carnivoren").
1912 B, 219 ("carnivoren").
1913 A, 112.
Gegenbaur, C. 1888 A, 396 ("carnivoren").
Gervais, P. 1852 A, 103 ("carnivores").
1853 B, 42 ("carnivores").

Gervais, P. 1859 A, 202 ("carnivores").
Ghigi, A. 1900 B, 99 ("carnivori").
Gidley, J. W. 1915 B, 334 ("carnivores").
1923 C, 241 ("carnivores").
Giebel, C. G. 1855 A, 19 (carnivoræ).
1883 A ("raubthiere").
Gottlieb, H. 1914 A, 188.
Grant, M. 1904 B, 191 ("carnivores").
Gray, J. E. 1821 A, 309 (Carnivoræ).
Gregory, W. K. 1910 A, 96, 294, 298, 305.
1916 A, 248 ("carnivores").
1917 D, 626.
1920 A, 238.
Gregory and Camp 1918 A.
Haeckel, E. 1868 A, 469, 480 (Carnaria, Carnivora).
1873 A, 544 (Carnaria).
Hasse and Schwarck 1870 A, 95.
Hay, O. P. 1912 D, 769.
1914 A, 474 (Feræ).
Heilprin, A. 1887 A, 383.
Hensel, R. 1879 A, 530 ("carnivoren").
Hertz, M. 1925 A, 553.
Hilzheimer, M. 1913 A, 565 ("raubtiere").
Hoernes, R. 1886 A, 692.
Hoever, R. 1911 A, 92 ("carnivoren").
Hogben, L. T. 1919 A, 71, 74.
Howes, G. B. 1893 A, 592.
Hrdlička, A. 1920 A, 463 ("carnivores").
1921 A, 166.
Huene, F. 1912 F, 522 ("karnivoren").
Huxley, T. H. 1856 A, 46.
1856 B, 191.
1863 E, 554.
1863 F, 529.
1870 F, 528, 531, 537.
1880 E, 459 ("carnivores").
Ihering, H. 1910 A, 113 ("raubtiere").
Jaeger, G. F. 1842 A, 435 ("fleischfresser").
Jaekel, O. 1911 A, 227 (Carnivori).
Kampfen, P. N. 1905 A, 500.
Kingsley, J. S. 1925 A, 210, 295.
Klein, E. E. 1868 A ("carnivoren").
Köstlin, O. 1844 A ("carnivoren").
Kükenthal, W. 1913 A, 680.
Laloy, L. 1907 A, 587 ("carnivores").
Lankester, E. R. 1908 A, 324.
Lataste, F. 1887 A, 266 ("carnivores").
Lavocat, A. 1885 A, 50 ("carnassiers").
Leboucq, H. 1884 A, 72 ("carnassiers").
Leche, W. 1887 A ("carnivoren").
1902 A, 43.
Le Damany, P. 1903 G, 322 ("carnivores").
1906 B, 164 ("carnivores").
Ledouble, A. F. 1903 A, 646 ("carnassiers").
1906 A, 549, 553, 589 ("carnassiers").
Leunis and Ludwig 1883 A, 181.
Lobley, J. L. 1908 A, 194.
Lönnberg, E. 1916 A, 3.
Loomis, F. B. 1910 C, 293.
Lubosch, W. 1907 A, 618 ("carnivoren").
Lull, R. S. 1904 C, 2.
1917 B, 295, 308, 322, 338, 560.
1918 C, 136 ("carnivores").
Lydekker, R. 1884 A, 178.
1896 D, 1-312.
1899 B, 922.
1904 C, 61.
Lydekker, R. 1907 C, 453.
1910 F, 655.
1914 A, 630.
Mackie, S. J. 1863 D, 332.
Magitot, A. 1875 A, 78 ("carnivores").
Major, C. J. F. 1880 A, 38.
1899 A, 508.
1899 B, 62.
Mantell, G. A. 1844 A, 853.
Martins, C. 1857 A, 81 ("carnivores").
Matthew, W. D. 1904 D, 815.
1906 C, 232.
1907 B, 532 ("carnivores").
1909 C, 123.
1909 D, 299, 313-315, 328-330, 551.
1910 G, 159.
1912 A, 156, 159.
1912 B, 182.
1915 A, 217.
1915 D, 4 (Feræ).
1915 K, 439, 444.
1916 C, 522.
1917 A, 574.
1921 D, 212, 214.
1925 E, 751.
1928 B, 948, 966, 970, 980.
Mead, C. S. 1906 A, 480.
Meckel, J. F. 1825 A ("fleischfresser").
Meunier, S. 1903 A, 776 ("carnivores").
Miller, G. S. 1912 B, 73.
Mitchell, P. C. 1905 A, 493.
Moodie, R. L. 1922 C, 351.
Mysberg, W. A. 1917 A, 655.
Neuville, H. 1915 A, 6 ("carnivores").
O'Harra, C. C. 1910 A, 76.
1920 A, 77.
Oken, L. 1823 A, 284-300 ("raubthiere").
Osborn, H. F. 1899 J, 415.
1902 E, 356, fig. 1.
1905 H, 207, figs. 2, 6.
1905 I, 99.
1906 C, 840, 842.
1907 G, 12, 131.
1909 D, 123.
1910 B, 609.
1915 D, 284 ("carnivores").
1917 B, 259, 309.
1925 B, 18.
1925 C, 751, 752.
Owen, R. 1845 E, 116 ("carnivores").
1857 E.
1858 A, 31.
1868 A, 870.
Pander and Alton 1822 A, 7 ("raubthiere").
Paramore, R. H. 1910 A, 1463.
Parker and Haswell 1897 A, 455, 475, 512.
Perna, G. 1906 A, 122 ("raubtiere").
Pictet, F. J. 1853 A, 183 ("carnivores").
Pohl, L. 1911 A, 115 ("carnivoren").
Pohle, H. 1920 A, 48 ("raubtiere").
1924 A, 25.
Puccioni, N. 1908 A, 41 (Carnivori).
Rehs, J. 1914 A, 2, 56.
Retterer, E. 1884 A, 478, 507 ("carnassiers").
Retzius, A. 1849 A, 614 (Feræ).
Reynolds, S. H. 1897 A, 497, 535, fig. 84.
Rutland, J. 1901 A, 21033 (Feræ).
Ryder, J. 1887 B.

Schlosser, M. 1898 B, 360.
1899 I, 350 ("carnivoren").
1900 C, 134 ("raubthiere").
1902 H, 141.
1902 J, 258 ("carnivoren").
1903 I, 176.
1904 B, 446.
1911 A.
Schmidt, O. 1886 A, 259.
Schwalbe, G. 1904 A, 207, 210 ("carnivoren").
Schwarz, E. 1924 A, 419.
Sclater, P. L. 1875 A, 209.
Scott, W. B. 1896 C, 308.
1896 D, 57.
1913 A, 222, 238, 516, 574, 677.
1916 A, 116, 117.
1917 A, 174.
1928 B, 257.
Seeley, H. G. 1876 C, 176.
1878 A, 225.
1886 A, 418.
Serres, M. 1852 A, 145 ("carnassiers").
1852 B, 198 ("carnassiers").
Smith, G. E. 1907 A, 163 ("carnivores").
Spurrell, H. G. F. 1906 A, 123.
Stehlin, H. G. 1916 B, 1537 ("carnivoren").
Steinmann, G. 1907 A, 470.
1909 A ("raubtiere").
1912 A, 46 ("carnivoren").
1912 B, 718 ("raubtiere").
Strecker, C. 1887 A, 316 ("raubthiere").
Stromer, E. 1902 A.
1902 B, 561 ("carnivoren").
1908 B, 157.
1912 A, 179, 243.
Taschenberg, O. 1899 A, 4440.
Terra, P. 1911 A, 277.
Thacker, A. G. 1922 A, 600, 603.
Thomas, O. 1887 A, 311.
Tims, H. W. M. 1902 A, 321.
1905 B, 1785.
Tomes, C. S. 1906 A, 46, 50.
Tornier, G. 1891 A, 143.
Tredgold, A. F. 1897 A, 295.
Trouessart, E. L. 1904 A, 158.
Turner, H. N. 1847 A, 110.
Underhill, B. M. 1910 A, 76.
Vallois, H. V. 1921 B, 975 ("carnivores").
Van Bemmelen, J. F. 1918 A, 575 ("carnivores").
Van den Broeck, A. J. P. 1912 A, 782.
Vicq-d'Azyr, F. 1819 A, 75 (Carnivori).
Wagner, R. 1843 A, 12.
Wallace, A. R. 1876 A, 491; II, 565.
1894 A, 435.
Wallisch, W. 1906 A, 307, 308.
1922 A, 540 ("raubtiere").
Walmsley, T. 1918 A, 327.
Weber, M. 1886 A, 240.
1904 A, 515.
Weber and Abel 1928 A, 299, 316.
Weber and Burlet 1927 A.
Wiegman, F. R. 1838 B, 257 (Feræ).
Wilder, B. G. 1872 B, 319.
1874 A, 302.
Williston, S. W. 1912 E, 261.
Winge, H. 1896 A, 123, 126.
1924 A, 173.
Woodward, A. S. 1898 D, 330.
1910 B, 470.
1923 C, 21.
Woodward, H. 1904 B, 163.
Worthmann, F. 1922 A, 307 ("raubtiere").
Wortman, J. L. 1901 B, XI, 333.
1902 A, XIII, 45, 127.
1903 A, 430.
1906 A, 90.
1920 A, 17.
1921 A, 181.
Wyman, J. 1867 B, 274.
Zaaijer, T. 1894 A, 339.
Zietzschmann, O. 1917 A, 434 ("carnivoren").
Zittel, K. A. 1897 A, 133 ("raubthiere").
Zittel and Schlosser 1911 A, 374.
1923 A, 453, 482.

Suborder CREODONTA Cope.

Cope, E. D. 1875 Y, 446.
Hay, O. P. 1902 A, 743.
Abel, O. 1905 A, 21.
1905 C, 375 ("creodontier").
1905 E, 84 ("creodontier").
1907 E, (249) ("creodontier").
1912 D, 599.
1913 B, 712, 713.
1913 C, 200, 221 (Creodontia).
1914 A, 60.
Ameghino, F. 1889 B, 280.
1893 B, 440, 446 (Creodontia).
1901 A, 351 ("créodontes").
1902 B, 12 ("créodontes").
1905 A, 8.
1905 C, 351, 439.
1906 A, 356, 391.
1906 E, 237.
Andrews, C. W. 1906 A, xxii.
1908 C ("creodonts").
Arldt, T. 1907 D, 648 (Creodontia).
1912 A, 686.
Baird, S. F. 1876 A, 305 (Bunotheriidæ).
Bardenfleth, K. S. 1913 A, 84.
Beddard, F. E. 1902 A, 455.
Behlen, H. 1907 A.
Boas, J. E. V. 1914 B, 577, 579, 582 ("creodonten").
Branca, W. 1907 A, 9.
Carlson, A. 1921 A, 71.
Case, E. C. 1899 B, 178.
Chardin, T. 1922 A, 30 ("créodontes").
Clark and Sonntag 1926 A.
Cope, E. D. 1885 BB, 72.
1885 EE, 610.
1891 N, 72, 75.
Depéret, C. 1904 B, 43 ("créodontes").
1905 C, 703 ("créodontes").
1907 B ("créodontes").
1912 A, 706 ("créodontes").
Dietrich, W. O. 1913 A, 49 ("creodontier").
Drevermann, F. 1913 C, 199.
Fraas, E. 1904 A, 14, 24 ("creodontier").
1905 A, lxiii ("creodontier").

Fraas, E. 1905 B, 386 ("creodontier").
Gadow, H. 1913 A, 127.
Gawrilenko, A. 1924 A, 222 (Creodontia).
Gregory, W. K. 1910 A, 516.
1912 F, 290 ("creodonts").
1920 A, 145, 238.
1921 A, 68 ("creodonts").
Gregory and Simpson 1920 A, 3 ("creodonts").
Heilprin, A. 1887 A, 393.
Hilzheimer, M. 1913 A, 565.
Hoernes, R. 1912 A, 661.
Hogben, L. T. 1919 A, 74.
Huene, F. 1927 D, 146 ("creodontier").
Kampfen, P. N. 1905 A, 500.
Keuchenius, P. E. 1913 A, 448.
Kingsley, J. S. 1925 A, 211.
Koken, E. 1893 B, 486.
Leche, W. 1902 A, 43.
1907 A, 41.
1915 A, 346.
Lemoine, V. 1889 A, 280.
Lönnberg, E. 1910 B, 238.
1911 A, 59.
Lydekker, R. 1899 B, 927 (Creodontia).
1902 B, 373 ("creodonts").
1903 D, 101 (Creodontia).
1904 C, 62 ("creodonts").
1907 C, 451 ("creodonts").
1907 D, 498 ("creodonts").
1910 F, 655 ("creodonts").
Major, C. J. F. 1899 B, 68.
Martin, R. 1906 A, 405.
Matthew, W. D. 1901 A (with groups *Creodonta primitiva, C. adaptiva,* and *C. inadaptiva*).
1904 D, 815.
1905 B, 69.
1905 D, 24.
1906 C, 216.
1907 B, 533, 534.
1909 C, 123.
1909 D, 315, 318, 320, 327, 328, 330-332, 335, 414, 501.
1910 G, 152 ("creodonts").
1912 B, 184.
1915 A, 217.
1915 D, 4.
1915 K, 445.
1928 B, 948, 970, 983.
O'Harra, C. C. 1910 A, 77.
1920 A, 78.
Osborn, H. F. 1889 J, 415.
1898 U, 686.
1902 E, 356, fig. 1.
1905 H, 218, fig. 2.
1905 I, 91.
1905 N, 242.
1906 C, 842.
1907 G, 12, 132-139.
1909 D, 123.
Osborn, H. F. 1910 B, 611.
1925 B, 18.
Peterson, O. A. 1912 B, 164 (Creodontia).
Pohle, H. 1924 A, 25.
Pompeckj, J. F. 1922 A, 81 ("creodontier").
Reynolds, S. H. 1897 A, 368, 439, 479, 512, 520.
Scharff, R. F. 1911 A, 373.
Schlosser, M. 1897 B, 20 ("creodonten").
1898 B, 360, 361, 364.
1898 J, 520.
1899 I, 353.
1900 B, 302.
1902 I, 738.
1902 J, 233, 257.
1903 I, 31 ("creodonten").
1904 B, 447.
1904 C, 96 ("creodonten").
1905 A, 329.
1910 A, 501.
1911 A.
1921 A, 107 (Creodontia).
Schmidt, O. 1886 A, 282.
Schwarz, E. 1912 B, 4 ("creodonten").
1924 A, 419, 421.
Scott, W. B. 1896 C, 308.
1913 A, 679.
Seeley, H. G. 1886 A, 417.
Shufeldt, R. W. 1889 D, 24.
Simpson, G. G. 1928 J, 8 ("creodonts").
Sinclair, W. J. 1906 B, 335-337.
Steinmann, G. 1907 A, 470 (Creodontia).
1908 A, 233 ("creodonten").
1912 B, 719, 727 (Creodontia).
Stromer, E. 1902 B, 239, 554, 560 ("creodonten").
1903 B, 39.
1903 D, 99.
1906 A, 213 (Creodontia).
1908 B, 157, 168.
1912 A, 182 (Creodontia).
1916 A, 407.
Thacker, A. G. 1922 A, 600, 603.
Tomes, C. S. 1906 A, 45, 52 ("creodonts").
Trouessart, E. L. 1904 A, 158.
Underhill, B. M. 1910 A, 84.
Weber, M. 1904 A, 538.
Weber and Abel 1928 A, 89, 90, 300, 311, 335, 336, 339.
Winge, H. 1896 A, 126 (Carnivora primitiva).
1924 A, 176, 178 (Carnivora primitiva).
Woodward, A. S. 1897 C, 380.
1898 D, 330, 336.
1923 C, 24.
Wortman, J. L. 1901 B, XI, 334, 337, 338; XII, 281.
Zittel, K. A. 1895 A, 310 (Creodontia).
1897 A, 133.
Zittel and Schlosser 1911 A, 375 (Creodontia).
1923 A, 454, 482, 666, 667 (Creodontia).

Superfamily ARCTOCYONOIDÆ, new name.

Chardin, T. 1922 A, 87 (Procreodi).
Gregory, W. K. 1920 A, 238 (Procreodi).
Matthew, W. D. 1915 D, 5 (Procreodi).
Weber and Abel 1928 A, 337 (Procreodi).

OXYCLÆNIDÆ Scott.

Hay, O. P. 1902 A, 744.
Abel, O. 1919 A, 733.
Arldt, T. 1907 D, 246, 262.
1912 A, 702.

Beddard, F. E. 1902 A, 552 (Chriacidæ).
Behlen, H. 1907 A ("oxyclaeniden").
Chardin, T. 1922 A, 30, 88 ("oxyclénidés").
1927 A, 18 ("oxyclénidés").
Depéret, C. 1908 A, 111.
1912 A, 706.
Gregory, W. K. 1920 A, 238.
1922 A, 105.
Gregory and Simpson 1920 A, 1.
Leche, W. 1915 A, 356.
Matthew, W. D. 1901 A, 5, 7, 19, 21.
1905 D, 28.
1909 C, 91, 101.
1909 D, 327, 338.
1912 B, 184.
1914 B, 387.
1915 D, 5.
1915 K, 445.
Matthew, W. D. 1918 H, 567.
1921 D, 212, 214.
1928 B, 971.
Osborn, H. F. 1909 D, 33, 34, 35.
1910 B, 111, 526.
Schlosser, M. 1898 B, 361.
1900 B, 302.
1901 K, 467 (Chriacidæ).
1902 D, 301 (Chriacidæ).
1904 B, 152.
1921 A, 108, 135 ("oxyclæniden").
Scott, W. B. 1913 A, 554, 561, 562, 574.
Trouessart, E. L. 1904 A, 158.
Weber and Abel 1928 A, 90, 336, 337.
Wortman, J. L. 1901 B, XII, 283, 285.
1902 A, XIII, 434.
Zittel and Schlosser 1911 A, 376.
1923 A, 455, 482, 665.

OXYCLÆNUS Cope. Type *Mioclænus cuspidatus* Cope.

Hay, O. P. 1902 A, 744.
Ameghino, F. 1901 A, 351.
1906 A, 283.
Chardin, T. 1922 A, 48.
Gaudry, A. 1901 B, 524.
Haug, E. 1911 A, 1527.
Matthew, W. D. 1909 C, 101.
1909 D, 327.
1918 H, 586.
1928 B, 954.
Palmer, T. S. 1904 A, 491, 811.
Schlosser, M. 1900 B, 302.
Scott, W. B. 1913 A, 522.
Trouessart, E. L. 1904 A, 158.
Wortman, J. L. 1901 B, XII, 285.
Zittel and Schlosser 1911 A, 376.
1923 A, 455.

Oxyclænus cuspidatus Cope.

Hay, O. P. 1902 A, 744.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 38.
Trouessart, E. L. 1904 A, 158.
Paleocene (Puerco); New Mexico.

Oxyclænus simplex Cope.

Hay, O. P. 1902 A, 744.
Chardin, T. 1922 A, 88.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1900 B, 302 (Chriacus).
1908 B, 364 (Protochriacus).
Trouessart, E. L. 1904 A, 158.
Paleocene (Puerco); New Mexico.

LOXOLOPHUS Cope. Type *L. adapinus* Cope = *Chriacus hyattianus* Cope.

Hay, O. P. 1902 A, 745.
Ameghino, F. 1901 A, 351 (Protochriacus).
1906 A, 283 (Protochriacus).
Beddard, F. E. 1902 A, 553 (Protochriacus).
Haug, E. 1911 A, 1527.
Leche, W. 1915 A, 356 (Protochriacus).
Matthew, W. D. 1909 C, 91 (Loxolophus); 101 (Protochriacus).
1924 E, 749.
Palmer, T. S. 1904 A, 386, 811 (Loxolophus); 581, 811 (Protochriacus).
Schlosser, M. 1898 B, 361 (Loxolophus); 361, 364 (Protochriacus).
Trouessart, E. L. 1904 A, 159 (Protochriacus).
Wortman, J. L. 1901 B, XII, 285 (Protochriacus).
Zittel and Schlosser 1923 A, 455 (Syn. of Protochriacus).

Loxolophus attenuatus (Osborn and Earle).

Hay, O. P. 1902 A, 745.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1908 B, 364 (Protochriacus).
Trouessart, E. L. 1904 A, 159 (Protochriacus).
Paleocene (Puerco); New Mexico.

Loxolophus hyattianus (Cope).

Hay, O. P. 1902 A, 745.
Douglass, E. 1908 D, 20 (Protochriacus. This species?).
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1900 B, 302 (Protochriacus).
Trouessart, E. L. 1904 A, 159 (Protochriacus).
Paleocene (Puerco); New Mexico.

Loxolophus priscus (Cope).

Hay, O. P. 1902 A, 745.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1900 B, 302 (Protochriacus).
1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 38.

Schlosser, M. 1908 B, 364 (Protochriacus).
Trouessart, E. L. 1904 A, 159 (Protochriacus).
Paleocene (Puerco); New Mexico.

Loxolophus sp. indet.

Lull, R. S. 1915 D, 326 (Protochriacus sp.).
Paleocene (Fort Union); Montana.

CARCINODON Scott. Type *Mioclænus filholianus* Cope.

Hay, O. P. 1902 A, 762.
Matthew, W. D. 1909 C, 101.
Palmer, T. S. 1904 A, 159, 812.
Schlosser, M. 1900 B, 303.
Zittel and Schlosser 1923 A, 455.

Carcinodon filholianus (Cope).

Hay, O. P. 1902 A, 762.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Osborn, H. F. 1902 C, 171.
Reeside, J. B. 1924 A, 38.
Trouessart, E. L. 1904 A, 43.
Paleocene (Puerco); New Mexico.

PARADOXODON Scott. Type *Chriacus rütimeyeranus* Cope.

Hay, O. P. 1902 A, 762.
Matthew, W. D. 1909 C, 101.

Paradoxodon rütimeyeranus (Cope).

Hay, O. P. 1902 A, 762.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco); New Mexico.

CHRIACUS Cope. Type *Pelycodus pelvidens* Cope.

Hay, O. P. 1902 A, 744.
Ameghino, F. 1901 A, 351.
1906 A, 283.
Beddard, F. E. 1902 A, 552.
Chardin, T. 1922 A, 48, 100.
Dall, W. H. 1898 A, 347.
Depéret, C. 1908 A, 111.
1912 A, 706.
Granger, W. 1917 A, 829.
Haug, E. 1911 A, 1528.
Leche, W. 1915 A, 356.
Matthew, W. D. 1901 A, 5, 6.
1909 C, 101.
1909 D, 327.
1915 D, 4, 5.
1915 K, 420 (Pelycodus).
1918 H, 586.
1924 E, 749.
1928 B, 954.
Osborn, H. F. 1907 G, 132, figs. 84, 200.
1910 B, 111, 526.
Palmer, T. S. 1904 A, 187, 810.
Schlosser, M. 1898 B, 361, 364.
1900 B, 302.
1901 K, 468.
1902 D, 301.
Wortman, J. L. 1901 B, XII, 285.
Zittel and Schlosser 1923 A, 455.

Chriacus baldwini Cope.

Hay, O. P. 1902 A, 745.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1900 B, 302.
Trouessart, E. L. 1904 A, 159.
Paleocene (Torrejon); New Mexico.

Chriacus gallinæ Matthew.

Matthew, W. D. 1915 D, 6, figs. 1, 2.
Gregory, W. K. 1920 A, 238.
Lower Eocene (Wasatch); New Mexico.

Chriacus pelvidens Cope.

Hay, O. P. 1902 A, 745.
Gardner, J. H. 1910 A, 729, fig. 9.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1900 B, 302.
Trouessart, E. L. 1904 A, 159.
Paleocene (Torrejon); New Mexico.

Chriacus schlosserianus Cope.

Hay, O. P. 1902 A, 745.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1900 B, 302.
Trouessart, E. L. 1904 A, 158 (Epichriacus).
Paleocene (Torrejon); New Mexico.

Chriacus stenops Cope.

Hay, O. P. 1902 A, 745.
Paleocene (Torrejon); New Mexico.

Chriacus truncatus Cope.

Hay, O. P. 1902 A, 745.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 41.
Trouessart, E. L. 1904 A, 158.
Paleocene (Torrejon); New Mexico.

Chriacus sp. indet.

Douglass, E. 1908 D, 20 (This genus?).
Granger and Simpson 1928 A, 1 (Pelycodus).
Wasatch (Sand Coulee); Wyoming: Paleocene (Fort Union); Montana.

TRICENTES Cope. Type *T. crassicollidens* Cope.

Hay, O. P. 1902 A, 746.
Ameghino, F. 1901 A, 351.
1906 A, 283.
Granger, W. 1917 A.
Gregory, W. K. 1916 A, 244, pls. i, j.
1922 A, 159, pl. v.
Haug, E. 1911 A, 1528.
Leche, W. 1915 A, 356.
Matthew, W. D. 1905 D, 28, fig. 9.
1909 C, 101.
1909 D, 327.
1918 H, 567.
1928 B, 955, fig. 5.
Osborn, H. F. 1907 G, 132, figs. 84, 200.
1910 B, 111, 526.
Palmer, T. S. 1904 A, 688, 811.
Schlosser, M. 1898 B, 361, 364.
1900 B, 302.
Trouessart, E. L. 1904 A, 160.
Weber, M. 1904 A, 693 (Euprotogonia).
Wortman, J. L. 1901 B, XII, 285.
Zittel and Schlosser 1911 A, 376, fig. 539.
1923 A, 455.

Tricentes crassicollidens Cope.

Hay, O. P. 1902 A, 746.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 41.
Trouessart, E. L. 1904 A, 160.
Paleocene (Torrejon); New Mexico.

Tricentes subtrigonus Cope.

Hay, O. P. 1902 A, 746.
Gardner, J. H. 1910 A, 729, fig. 9.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 41.
Trouessart, E. L. 1904 A, 160.
Zittel and Schlosser 1911 A, 376, fig. 539.
1923 A, 455, fig. 576.
Paleocene (Torrejon); New Mexico.

Tricentes sp. indet.

Douglass, E. 1908 D, 20, pl. ii, figs. 5-8 (This
Paleocene (Fort Union); Montana.

THRYPTACODON Matthew. Type *T. antiquus* Matthew.

Matthew, W. D. 1915 D, 4, 7.
Chardin, T. 1922 A, 48.
Gregory, W. K. 1921 A, 234.
Zittel and Schlosser 1923 A, 455.

Thryptacodon antiquus Matthew.

Matthew, W. D. 1915 D, 8, figs. 4-6.
Lower Eocene (Wasatch); Wyoming.

Thryptacodon olseni Matthew.

Matthew, W. D. 1915 D, 7, 9, figs. 3, 7-9.
Lower Eocene (Wasatch); Wyoming.

Thryptacodon pseudarctos Simpson.

Simpson, G. G. 1928 A, 10, fig. 6.
Paleocene (Fort Union); Montana.

DELTATHERIUM Cope. Type *D. fundaminis* Cope.

Hay, O. P. 1902 A, 751.
Bardenfleth, K. S. 1913 A, 101.
Granger, W. 1917 A.
Gregory, W. K. 1920 A, 146, fig. 75.
1922 A, 100.
Gregory and Noble 1924 A, 455.
Matthew, W. D. 1901 A, 6.
1906 C, 216, text-fig. 6.
1909 C, 101.
1909 D, 327, 464.
1918 H, 586.
1924 E, 749.
1928 B, 954.
Osborn, H. F. 1907 G, 133, figs. 85, 96, 196, 200.
1910 B, 111, 526.
Palmer, T. S. 1904 A, 221, 810.
Schlosser, M. 1898 J, 522.
Scott, W. B. 1913 A, 554.
Trouessart, E. L. 1904 A, 159.
Weber and Abel 1928 A, 123.
Winge, H. 1924 A, 216, 221, 242, 246.
Wood, H. E. 1927 A, 297.
Wortman, J. L. 1901 A.
1901 B, XII, 285.
Zittel and Schlosser 1923 A, 455.

Deltatherium fundaminis Cope.

Hay, O. P. 1902 A, 751.
Abel, O. 1914 A, 60, fig. 30.
Cope, E. D. 1891 N, 74, fig. 46.
Gardner, J. H. 1910 A, 729.
Granger, W. 1917 A, 823.
Gregory, W. K. 1920 A, 146, fig. 75.
Leche, W. 1915 A, 356.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 41.
Trouessart, E. L. 1904 A, 159.
Paleocene (Torrejon); New Mexico.

Deltatherium? interruptum Cope.

Hay, O. P. 1902 A, 751.
Trouessart, E. L. 1904 A, 159.
Paleocene (Puerco); New Mexico.

Deltatherium sp. indet.

Douglass, E. 1908 D, 21, pl. ii, figs. 1, 2 (This
genus?). Paleocene (Fort Union); Montana.

PROTOGONODON Scott. Type *Mioclænus pentacus* Cope.

Hay, O. P. 1902 A, 603.
Bensley, B. A. 1901 C, 252.
Granger, W. 1915 A, 329.
Granger, W. 1917 A.
Haug, E. 1911 A, 1527.
Matthew, W. D. 1909 C, 102.

Matthew, W. D. 1928 B, 754.
Osborn, H. F. 1907 G, 169, figs. 136, 148, 201.
Palmer, T. S. 1904 A, 582, 933.
Schlosser, M. 1898 B, 370.
1900 B, 305, 306.
Scott, W. B. 1913 A, 457.
Weber and Abel 1928 A, 629.
Zittel and Schlosser 1911 A, 439.
1923 A, 523.

A genus of uncertain relationships.

Protogonodon pentacus (Cope).

Hay, O. P. 1902 A, 603.
Gardner, J. H. 1910 A, 730 (This genus?).
Matthew, W. D. 1909 C, 92 (This genus?).
1914 B, 384.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1898 B, 371.
1921 A, 119.
Paleocene (Puerco); New Mexico.

Protogonodon stenognathus Matthew.

Hay, O. P. 1902 A, 603.
Gardner, J. H. 1910 A, 730 (This genus?).
Matthew, W. D. 1909 C, 92 (This genus?).
Schlosser, M. 1900 B, 305.
Paleocene (Puerco); New Mexico.

MIXOCLÆNUS Matthew and Granger. Type *M. encinensis* Matthew and Granger.

Matthew and Granger 1921 A, 7.

Mixoclænus encinensis Matthew and Granger.

Matthew and Granger 1921 A, 7.
Paleocene (Tiffany); Colorado.

ELPIDOPHORUS Simpson. Type *E. elegans* Simpson.

Simpson, G. G. 1927 B, 5.
This genus is referred to the Oxyclænidæ with doubt.

Elpidophorus elegans Simpson.

Simpson, G. G. 1927 B, 5, figs. 5, 6.
Paleocene? (Paskapoo); Alberta.

ARCTOCYONIDÆ.

Hay, O. P. 1902 A, 746.
Abel, O. 1913 B, 714, 729.
1914 A, 68.
Ameghino, F. 1889 A, 894.
Arldt, T. 1907 D, 639.
1912 A, 702.
1912 D, 600 ("arctocyoniden").
Bardenfleth, K. S. 1913 A, 84.
Behlen, H. 1907 A, 274, 275 ("arctocyoniden").
Chardin, T. 1922 A, 30 ("arctocyonidés").
1905 C, 703 ("arctocyonidés").
Depéret, C. 1908 A, 111.
Gregory, W. K. 1920 A, 238.
Hilzheimer, M. 1913 A, 566.
Matthew, W. D. 1901 A, 1, 5, 7, 12, 17.
1902 C, 284.
1905 D, 28.
1906 B, 357.
1909 C, 91, 93, 100.
1909 D, 321, 329, 330, 395, 405.
Matthew, W. D. 1914 B, 387.
1915 K, 445.
1921 D, 212, 214.
1928 B, 962, 971, 974, fig. 13.
Osborn, H. F. 1909 D, 122.
1910 B, 111, 126, 132, 133, 138, 526.
Schlosser, M. 1898 B, 361, 364.
1900 B, 303.
1902 J, 150 ("arctocyoniden").
1904 B, 452.
1921 A, 107 ("arctocyoniden").
Scott, W. B. 1913 A, 285, 554, 561, 575.
Trouessart, E. L. 1904 A, 160.
Weber and Abel 1928 A, 336, 337.
Winge, H. 1896 A, 126.
1924 A, 177, 182, 242 (Arctocynidæ).
Wortman, J. L. 1901 B, XI, 338; XII, 283, 285.
Zittel and Schlosser 1911 A, 382.
1923 A, 456, 482, 665.

ARCTOCYON Blainville. Type *A. primævus* Blainville.

Hay, O. P. 1902 A, 746.
Abel, O. 1914 A, 62.
Ameghino, F. 1905 C, 404.
Bronn, H. G. 1848 A, 102.
1849 A, 721.
Chardin, T. 1922 A, 25, pls. vii, viii; text-figs. 12, 14.
Cope, E. D. 1880 U, 149.
Depéret, C. 1912 A, 706.
Gaudry, A. 1901 A, 504.
1901 B, 95, fig. 2, 524.
Gervais, P. 1859 A, 220.
Gregory, W. K. 1910 A, 310, 437.
Huxley, T. H. 1880 D, 450.
Lemoine, V. 1889 A, 235.
Lockwood, S. 1884 A, 407.
Mackie, S. J. 1863 D, 335.
Matthew, W. D. 1901 A, 13.
1909 D, 327.
1915 K, 415.
1928 B, 962.
Osborn, H. F. 1907 G, 133.
1910 B, 103, 104, 173, 526, fig. 71.
Palmer, T. S. 1904 A, 117, 809.
Pictet, F. J. 1853 A, 746.
Schlosser, M. 1898 B, 364.
1921 A, 107, 112, 133.
Schmidt, O. 1886 A, 282.
Seeley, H. G. 1878 A, 222.
Stromer, E. 1902 B, 554, 561.
Weber and Abel 1928 A, XXI, 337.
Winge, H. 1924 A, 177, 182, 242.

Wortman, J. L. 1901 B, xii, 285.
1903 A, xv, 431.
Zittel and Schlosser 1911 A, 382.
1923 A, 456, figs. 577, 578.

CLÆNODON Scott. Type *Mioclænus ferox* Cope.

Hay, O. P. 1902 A, 747.
Abel, O. 1913 B, 714.
Ameghino, F. 1901 A, 351.
1906 A, 283.
Chardin, T. 1922 A, 29, 48, fig. 14.
Clark and Sonntag 1926 A, 460, 479.
Depéret, C. 1908 A, 111.
1912 A, 706.
Gaudry, A. 1901 A, 504.
1901 B, 98, 524.
Gidley, J. W. 1915 B, 334.
1919 A, 274, 278.
1919 B, 541, 544.
Granger, W. 1917 A, 824.
Gregory, W. K. 1910 A, 446, 455.
1921 A, 77.
Haug, E. 1911 A, 1527.
Matthew, W. D. 1901 A, 12.
1904 D, 814.
1909 C, 100.
1909 D, 337, 405.
1924 E, 749.
1928 B, 954.
Osborn, H. F. 1907 G, 199, fig. 200.
1910 B, 111, 527.
1912 G, 233, figs. 1, 3.
Palmer. T. S. 1904 A, 191, 809.
Schlosser, M. 1898 B, 361, 364.
1900 B, 303.
1921 A, 115.
Scott, W. B. 1913 A, 561.
Trouessart, E. L. 1904 A, 161.
Weber and Abel 1928 A, 337.
Winge, H. 1924 A, 177, 182, 242, 246.
Wortman, J. L. 1901 B, xi, 338, xii, 238, 284, 285.
Zittel and Schlosser 1911 A, 382.
1923 A, 456.

Clænodon corrugatus (Cope).

Hay, O. P. 1902 A, 747.
Chardin, T. 1922 A, 26, fig. 11.
Gardner, J. H. 1910 A, 729.
Gidley, J. W. 1919 B, 541, pl. xxviii, fig. 2; text-figs. 1-4.
Matthew, W. D. 1901 A, 14, fig. 6.
1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 41.
Trouessart, E. L. 1904 A, 161.
Paleocene (Torrejon); New Mexico.

Clænodon ferox (Cope).

Hay, O. P. 1902 A, 747.
Ameghino, F. 1905 C, 350, 403, fig. 49.
Gardner, J. H. 1910 A, 729.
Gidley, J. W. 1919 B, 541, 544.
Lull, R. S. 1915 D, 326.
Matthew, W. D. 1901 A, 12, 15, fig. 7.
1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1898 B, 364.
1921 A, 115.
Stanton, T. W. 1909 A, 264.
Trouessart, E. L. 1904 A, 161.
Wortman, J. L. 1901 B, xii, 283.
Paleocene (Torrejon); New Mexico: (Fort Union); Montana.

Clænodon protogonioides (Cope).

Hay, O. P. 1902 A, 747.
Gardner, J. H. 1910 A, 729 (This species?).
Gidley, J. W. 1919 B, 541.
Matthew, W. D. 1901 A, 13.
1909 C, 91.
Osborn, H. F. 1909 D, 34.
Reeside, J. B. 1924 A, 38, 41 (This genus and species?).
Schlosser, M. 1921 A, 119.
Trouessart, E. L. 1904 A, 161.
Paleocene (Puerco, Torrejon); New Mexico.

Clænodon sp. indet.

Bowen, C. F. 1918 A, 231. (This genus?). Eocene (Wasatch or Fort Union); Wyoming.

ANACODON Cope. Type *A. ursidens* Cope.

Hay, O. P. 1902 A, 747.
Chardin, T. 1922 A, 28.
Gaudry, A. 1901 B, 98.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1901 A, 13, 17.
1909 C, 100.
1909 D, 327.
1915 D, 13.
Osborn, H. F. 1907 G, 133, fig. 86.
1909 D, 38, 45.
1910 B, 126, 527.
Palmer, T. S. 1904 A, 99, 809.
Schlosser, M. 1921 A, 115.
Scott, W. B. 1913 A, 277, 561.
Winge, H. 1924 A, 177, 182.
Wortman, J. L. 1901 B, xii, 285.
1903 A, xv, 431.
Zittel and Schlosser 1911 A, 380.
1923 A, 456.

Anacodon cultridens Matthew.

Matthew, W. D. 1915 D, 16, fig. 11.
Lower Eocene (Wasatch); Wyoming.

Anacodon ursidens Cope.

Hay, O. P. 1902 A, 747.
Abel, O. 1914 A, 69, fig. 37.
1919 A, 738, fig. 550.
Loomis, F. B. 1907 B, 356.
Matthew, W. D. 1909 C, 93.
1915 D, 13, 14, fig. 10.
Schlosser, M. 1921 A, 115.
Lower Eocene (Wasatch); Wyoming.

NEOCLÆNODON Gidley. Type *N. montanensis* Gidley.

Gidley, J. W. 1919 B, 547.
Zittel and Schlosser 1923 A, 456.
Paleocene (Fort Union); Montana.

Neoclænodon latidens Gidley.

Gidley, J. W. 1919 B, 554, fig. 10.
Paleocene (Fort Union); Montana.

Neoclænodon montanensis Gidley.

Gidley, J. W. 1919 B, 547, pl. xxviii, fig. 1; text-figs. 5-8.
Paleocene (Fort Union); Montana.

Neoclænodon silberlingi Gidley.

Gidley, J. W. 1919 B, 552, fig. 9.
Paleocene (Fort Union); Montana.

Superfamily MESONYCHOIDÆ, new form.

Abel, O. 1913 B, 713, 714 (Acreodi).
1914 A, 63, 64 (Acreodi).
1919 A, 733 (Acreodi).
1922 C, 280 (Acreodi).
Chardin, T. 1922 A, 87 (Acreodi).
Gawrilenko, A. 1924 A, 222 (Acreodi).
Gregory, W. K. 1920 A, 239 (Acreodi).
Matthew, W. D. 1909 D, 327, 330 (Acreodi).
1915 D, 5 (Acreodi).
Osborn, H. F. 1910 B, 527 (Acreodi, Mesonychoidea).
Weber and Abel 1928 A, 338, 342 (Acreodi).
Zittel and Schlosser 1911 A, 376 (Acreodi).
1923 A, 455 (Acreodi).

TRIISODONTIDÆ Scott.

Hay, O. P. 1902 A, 747.
Abel, O. 1914 A, 64.
Arldt, T. 1907 D, 246, 262.
Gregory, W. K. 1920 A, 239.
Matthew, W. D. 1901 A, 5, 6 (Subfam. of Mesonychidæ).
1909 C, 91, 101.
1909 D, 488 (Triisodontinæ); 330 (Triisodontidæ).
1912 B, 184.
Matthew, W. D. 1915 K, 445.
Osborn, H. F. 1909 D, 33, 34, 90 (Triisodontinæ).
Palmer, T. S. 1904 A, 775, 811.
Schlosser, M. 1898 B, 361, 365.
1900 B, 302.
1903 B, 148 ("triisodontiden").
Trouessart, E. L. 1904 A, 161 (Triisodontinæ).
Wortman, J. L. 1901 B, XII, 286 (Subfamily).
Zittel and Schlosser 1911 A, 377 (Triisodontinæ).
1923 A, 457, 665 (Triisodontinæ).

TRIISODON Cope. Type *T. quivirensis* Cope.

Hay, O. P. 1902 A, 747.
Abel, O. 1914 A, 62.
Ameghino, F. 1901 A, 351.
1906 A, 283 (Trisodon).
Gaudry, A. 1901 B, 525.
Gregory, W. K. 1910 A, 188, 311.
Haug, E. 1911 A, 1527.
Matthew, W. D. 1909 C, 101.
1909 D, 327.
1924 E, 749.
Osborn, H. F. 1907 G, 132, figs. 84, 94.
1909 D, 35.
Palmer, T. S. 1904 A, 692, 811.
Schlosser, M. 1898 B, 361.
1900 B, 302.
1903 B, 148.
1921 A, 120.
Scott, W. B. 1913 A, 561.
Seeley, H. G. 1886 A, 418.
Trouessart, E. L. 1904 A, 161.
Winge, H. 1924 A, 177, 182.
Wortman, J. L. 1901 B, XII, 285.
Zittel and Schlosser 1923 A, 457, fig. 525.

Triisodon gaudrianus (Cope).

Hay, O. P. 1902 A, 748.
Gardner, J. H. 1910 A, 729 (T. guadrianus).
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1900 B, 302 (Goniacodon).
Trouessart, E. L. 1904 A, 162 (T. gaudryanus).
Paleocene (Puerco); New Mexico.

Triisodon heilprinianus Cope.

Hay, O. P. 1902 A, 748, in part.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1901 A, 30, figs. 10-12.
1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1898 B, 365 (T. heilprinianus, T. biculminatus).
1900 B, 302.
1921 A, 119.
Trouessart, E. L. 1904 A, 162.
Paleocene (Puerco); New Mexico.

Triisodon quivirensis Cope.

Hay, O. P. 1902 A, 748.
Gardner, J. H. 1910 A, 729.
Leche, W. 1915 A, 351.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 38.
Trouessart, E. L. 1904 A, 161.
Paleocene (Puerco); New Mexico.

GONIACODON Cope. Type *G. levisanus* Cope.

Hay, O. P. 1902 A, 748.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 101.
1909 D, 327.

Osborn, H. F. 1910 B, 527.
Palmer, T. S. 1904 A, 298, 811.
Schlosser, M. 1898 B, 361.
1900 B, 302.
1903 B, 148.
Wortman, J. L. 1901 B, xii, 285.

Goniacodon levisanus (Cope).

Hay, O. P. 1902 A, 748.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 41.
Paleocene (Torrejon); New Mexico.

MICROCLÆNODON Scott. Type *Triisodon assurgens* Cope.

Hay, O. P. 1902 A, 748.
Matthew, W. D. 1909 C, 101.
1909 D, 327.
Palmer, T. S. 1904 A, 421, 811.
Schlosser, M. 1898 B, 361.
Trouessart, E. L. 1904 A, 162.

Microclænodon assurgens (Cope).

Hay, O. P. 1902 A, 748.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 41.
Paleocene (Torrejon); New Mexico.

SARCOTHRAUSTES Cope. Type *S. antiquus* Cope.

Hay, O. P. 1902 A, 748.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 101.
1909 D, 327, 403.
1928 B, 974, fig. 13.
Osborn, H. F. 1910 B, 111, 527.
Palmer, T. S. 1904 A, 618, 811.
Schlosser, M. 1898 B, 361, 365.
1900 B, 303.
1903 B, 148.
Trouessart, E. L. 1904 A, 162.

Winge, H. 1904 A, 177, 182.
Wortman, J. L. 1901 B, xii, 285.

Sarcothraustes antiquus Cope.

Hay, O. P. 1902 A, 748.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1914 B, 384.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1900 B, 303.
Trouessart, E. L. 1904 A, 162.
Paleocene (Torrejon); New Mexico.

EOCONODON Matthew and Granger. Type *Sarcothraustes coryphæus* Cope.

Matthew and Granger 1921 A, 6.
Matthew, W. D. 1928 B, 974, fig. 13.

Eoconodon coryphæus (Cope).

Hay, O. P. 1902 A, 748 (Triissodon heilprinianus, in part).
Matthew and Granger 1921 A, 6.
Schlosser, M. 1898 B, 365 (Sarcothraustes).
Paleocene (Torrejon); New Mexico.

MESONYCHIDÆ Cope.

Cope, E. D. 1876 A, 3.
Hay, O. P. 1902 A, 749.
Abel, O. 1913 B, 713 ("mesonychiden").
1914 A, 63, 149.
1919 A, 733.
1922 C, 284 ("mesonychiden").
Ameghino, F. 1905 C, 440.
Arldt, T. 1912 A, 702.
Chardin, T. 1922 A, 18, 30, 57 ("mesonychidés").
1927 A, 19 ("mesonychidés").
Depéret, C. 1905 C, 703 ("mesonychidés").
1908 A, 111.
Gregory, W. K. 1910 A, 300, 306, 405.
1920 A, 148, 208.
Howes, G. B. 1902 A, 523.
Matthew, W. D. 1901 A, 1, 5, 7.
1905 B, 70.
1905 D, 35.
1909 C, 91, 93, 96, 98, 101.
1909 D, 300, 324, 327, 329, 330, 485, 487-489, 499, 501 (Mesonychidæ); 488 (Mesonychinæ).
1912 B, 184.
1913 A, 312.
1914 B, 387.
1915 D, 84.
Matthew, W. D. 1915 K, 445.
1917 A, 573.
1921 D, 212, 214.
1928 B, 962, 971, 974, fig. 13.
Matthew and Granger 1925 D, 1, 6.
Osborn, H. F. 1909 D, 130.
1910 B, 623.
Palmer, T. S. 1904 A, 753, 810.
Schlosser, M. 1898 B, 361, 365.
1900 B, 303.
1903 B, 148 ("mesonychinen").
1904 B, 452.
1921 A, 110.
Scott, W. B. 1913 A, 685.
Tomes, C. S. 1906 A, 45.
Trouessart, E. L. 1904 A, 161 (Mesonychidæ); 162 (Mesonychinæ).
Weber and Abel 1928 A, 338.
Winge, H. 1924 A, 177, 178, 182 (Mesonychini).
Wortman, J. L. 1901 B, xii, 281, 283, 285, 286 (Mesonychinæ).
1902 A, xiv, 23.
Zittel and Schlosser 1911 A, 376, 377 (Mesonychidæ, Mesonychinæ).
1923 A, 456, 482, 665-668 (Mesonychidæ, Mesonychinæ).

DISSACUS Cope. Type *D. navajovius* Cope.

Hay, O. P. 1902 A, 749.
Ameghino, F. 1904 A, 21.
1905 C, 440.
1906 A, 284.
Chardin, T. 1922 A, 18, 48, 56, 80, fig. 9.
Clark and Sonntag 1926 A, 459, 463.
Depéret, C. 1908 A, 112.
1912 A, 706.
Dollo and Chardin 1924 A, 15.
Frick, C. 1926 A, 40.
Gaudry, A. 1901 A, 504.
Gidley, J. W. 1919 A, 274.
Gregory, W. K. 1921 A, 77, 234.
Haug, E. 1911 A, 1528.
Lemoine, V. 1885 C, 204.
Matthew, W. D. 1904 D, 814.
1909 C, 101.
1909 D, 327, 403, 487, 488-490.
1915 D, 4, 85.
1915 K, 415.
1924 E, 749.
1928 B, 954, 962.
Matthew and Granger 1924 B, 3.
1925 B, 3.
Osborn, H. F. 1907 G, 133, 216, figs. 87, 205.
1909 D, 35.
1910 B, 100, 111, 527.
1912 G, 236, fig. 3.
Palmer, T. S. 1904 A, 240, 810.
Schlosser, M. 1898 B, 361, 365.
1900 B, 303.
1901 K, 468.
1903 B, 148.
1921 A, 111.
Scott, W. B. 1913 A, 560, 561.
Trouessart, E. L. 1904 A, 162.
Weber and Abel 1928 A, XIX, 338.
Winge, H. 1924 A, 180, 241, 246.
Wood, H. E. 1927 A, 297.
Wortman, J. L. 1901 B, XII, 285, 286.
1902 A, XIII, 46.
1921 A, 178.
Zittel and Schlosser 1911 A, 377.
1923 A, 457, 664, 666.

Dissacus navajovius Cope.

Hay, O. P. 1902 A, 749.
Chardin, T. 1922 A, 20.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1909 D, 487, 488, 490, text-fig. 91.
1914 B, 384.
1915 D, 86.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1898 B, 365 (D. carnifex).
1900 B, 303.
1921 A, 110 (D. navijovicus).
Trouessart, E. L. 1904 A, 163.
Paleocene (Torrejon); New Mexico.

Dissacus navajovius longævus Matthew.

Matthew, W. D. 1915 D, 86.
Lower Eocene (Wasatch); Wyoming.

Dissacus prænuntius Matthew.

Matthew, W. D. 1915 D, 86, 87.
Lower Eocene; Wyoming.

Dissacus saurognathus Wortman.

Hay, O. P. 1902 A, 749.
Ameghino, F. 1904 A, 21, fig. 8.
1906 A, 351, fig. 186.
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1901 C, 91.
1909 D, 487, 488, 490, 499.
1914 B, 384.
1915 D, 86.
Osborn, H. F. 1904 F, 6, fig. 2.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1921 A, 110.
Trouessart, E. L. 1904 A, 163.
Wortman, J. L. 1902 A, XIII, 42, fig. 63.
1921 A, 182.
Paleocene (Torrejon); New Mexico.

PACHYÆNA Cope. Type *P. ossifraga* Cope.

Hay, O. P. 1902 A, 749.
Chardin, T. 1921 A, 171.
Depéret, C. 1905 C, 703.
1907 B.
1908 A, 112.
1912 A, 706.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1906 B, 361.
1907 B, 534.
1909 C, 101.
1909 D, 327, 489, 491.
1910 E, 702.
1912 B, 182, 183.
1915 D, 85, 87, fig. 78.
1915 K, 415, 421.
1921 D, 219.
1924 E, 749.
1928 B, 962, 972, fig. 12.
Osborn, H. F. 1903 G, 667.
1905 I, 98.
1909 D, 45.
1910 B, 115, 126, 127, 133, 527.
Palmer, T. S. 1904 A, 493, 810.
Romer, A. S. 1924 C, 97, figs. 1, 3.
Schlosser, M. 1903 B, 148.
1911 A, 90.
Scott, W. B. 1913 A, 274, 277, 560.
Stehlin, H. G. 1905 A, 555.
Tomes, C. S. 1906 A, 45, fig. 20.
Trouessart, E. L. 1904 A, 163.
Wallace, A. R. 1876 A, I, 134.
Weber and Abel 1928 A, 338.
Winge, H. 1924 A, 241, 246.
Wortman, J. L. 1901 B, XII, 285, 286.
Zittel and Schlosser 1911 A, 377.
1923 A, 457.

Pachyæna gigantea Osborn and Wortman.

Hay, O. P. 1902 A, 749.
Chardin, T. 1922 A, 82.
Matthew, W. D. 1901 A, 32, figs. 13-17.
1909 C, 93.
1909 D, 489, 491, text-fig. 91.

Matthew, W. D. 1915 D, 97, figs. 78, 84.
Schlosser, M. 1903 B, 148.
Trouessart, E. L. 1904 A, 163.
Lower Eocene (Wasatch, Wind River?); Wyoming.

Pachyæna gigantea ponderosa Matthew.

Matthew, W. D. 1915 D, 98, figs. 85-87.
Lower Eocene (Wasatch); Wyoming.

Pachyæna gracilis Matthew.

Matthew, W. D. 1915 D, 89, figs. 78, 79.
Lower Eocene (Wasatch); Wyoming.

Pachyæna ossifraga Cope.

Hay, O. P. 1902 A, 750 (P. ossifraga, P. intermedia).
Abel, O. 1904 A, 183 (Mesonyx).
Cossmann, M. 1901 A, 62 (P. intermedia).
Matthew, W. D. 1901 A, 36.
1909 C, 93 (P. ossifraga, P. intermedia).
1909 D, 489, 491, text-fig. 91 (P. ossifraga); 489, 492 (P. intermedia).
1915 D, 92, 93, figs. 78, 81-83.
Merrill, G. P. 1907 A, 53.
Reeside, J. B. 1924 A, 46.
Schlosser, M. 1898 B, 365.
1903 B, 148 (P. ossifraga, P. intermedia).
Trouessart, E. L. 1904 A, 163 (P. ossifraga, P. intermedia).
Lower Eocene (Wasatch); Wyoming, New Mexico.

Mesonyx Cope. Type *M. obtusidens* Cope.

Hay, O. P. 1902 A, 750.
Abel, O. 1913 B, 713.
Ameghino, F. 1905 C, 440.
Beddard, F. E. 1902 A, 456.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 393.
Kampfen, P. N. 1905 A, 500.
Kingsley, J. S. 1925 A, 211, fig. 223.
Lemoine, V. 1889 A, 255.
Lockwood, S. 1884 A, 355.
Matthew, W. D. 1901 A, 7.
1905 D, 23, fig. 1.
1907 B, 534.
1909 C, 101 (Synoplotherium).
1909 D, 323, 324, 325, 327, 403, 416, 489, 493, text-figs. 2-4 (Mesonyx); 316, 486, 489, 492 (Synoplotherium).
1912 B, 182.
1915 D, 85.
1924 E, 748.
Osborn, H. F. 1907 G, 79, 134, 142, 216, figs. 88, 205.
1910 B, 139, 161, 164, 170, 527.
1919 B, 558.
Palmer, T. S. 1904 A, 415, 810.
Schlosser, M. 1898 B, 365.
1901 K, 468.
1902 D, 301.
1903 B, 148.
Scott, W. B. 1913 A, 559, 561.
Seeley, H. G. 1886 A, 419.
Stromer, E. 1902 B, 554, 561.
Tomes, C. S. 1906 A, 53, fig. 19.
Trouessart, E. L. 1904 A, 164.
Wallace, A. R. 1876 A, I, 134.
Weber and Abel 1928 A, 338.
Winge, H. 1924 A, 180, 242.
Wood, H. E. 1927 A, 297.
Zittel and Schlosser 1911 A, 378, fig. 540.
1923 A, 457, 458, fig. 579.

Mesonyx? dakotensis Scott.

Hay, O. P. 1902 A, 750.
Oligocene (White River); South Dakota.

Mesonyx obtusidens Cope.

Cope, E. D. 1872 NN, 1.
Hay, O. P. 1902 A, 750.
Abel, O. 1913 B, 713, fig. 14.
1914 A, 65, fig. 31.
1922 C, 284, figs. 237, 240.
Gregory, W. K. 1927 E, 343.
Matthew, W. D. 1901 A, 36.
1909 C, 96.
1909 D, 489, 493, 499, 500, pl. xlvii, fig. 2; text-figs. 91-96.
Osborn, H. F. 1904 F, 43 ("Mesonyx").
1924 E, 3, 5, fig. 3.
1924 L, 146, fig. ("Mesonyx").
Schlosser, M. 1904 B, 455.
Scott, W. B. 1913 A, 559, fig. 276.
Thorpe, M. R. 1923 A, 37.
Trouessart, E. L. 1904 A, 164.
Woodward, A. S. 1898 B, 382.
Wortman, J. L. 1901 B, XII, 291.
1902 A, XIII, 39, text-figs. 61, 64.
Zittel and Schlosser 1911 A, 377, fig. 541.
1923 A, 458, fig. 580.
Middle Eocene (Bridger); Wyoming.

Mesonyx sp. indet.

Matthew, W. D. 1909 C, 98. Upper Eocene (Uinta); Utah.

Dromocyon Marsh. Type *D. vorax* Marsh.

Marsh, O. C. 1876 H, 403.
Hay, O. P. 1902 A, 751 (Mesonyx, in part).
Ameghino, F. 1905 C, 440.
Gregory, W. K. 1910 A, 302, 404, 405.
1920 A, 148.
Lull, R. S. 1917 B, 553, fig. 176.
1918 C, 135, fig. 26.
Marsh, O. C. 1877 E.
Matthew, W. D. 1901 A, 6.
1905 B, 70.
1909 C, 96 (Syn. of Synoplotherium).
Matthew, W. D. 1909 D, 326 (Syn. of Synoplotherium).
Osborn, H. F. 1910 B, 150, 527, fig. 61.
Palmer, T. S. 1904 A, 245, 810.
Schlosser, M. 1921 A, 134.
Schuchert and Levene 1927 A, 334, fig.
Scott, W. B. 1913 A, 269, 271, 554, 559.
Wortman, J. L. 1901 B, XII, 285.
Zittel and Schlosser 1911 A, 377 (Syn. of Synoplotherium).
1923 A, 458 (Syn. of Synoplotherium).

Dromocyon vorax Marsh.

Marsh, O. C. 1876 H, 403.
Hay, O. P. 1902 A, 751 (Mesonyx).
Abel, O. 1907 E, (250).
1919 A, 734, fig. 548 (Synoplotherium).
1922 C, 284, figs. 238, 241 (Synoplotherium).
Eaton, G. F. 1922 A, 445.
Gregory, W. K. 1910 A, 405, fig. 26.
Lull, R. S. 1917 B, 551, pl. xvii.
Matthew, W. D. 1909 C, 96 (Syn. of Synoplotherium lanius).
1909 D, 327, 489, 492 (Synoplotherium).
Moodie, R. L. 1923 B, 125.
Osborn, H. F. 1910 B, 150, fig. 52.
1924 E, 5.
Schlosser, M. 1904 B, 453.
Scott, W. B. 1913 A, 271, fig. 140 (D. velox).
Trouessart, E. L. 1898 A, 226 (D. velox).
1904 A, 163.
Wieland, G. R. 1909 A, 125.
Wortman, J. L. 1901 B, XII, 288, pls. iv-viii; text-figs. 52, 54-60.
1902 A, XIV, 145.
1920 A, 17.
Middle Eocene (Bridger); Wyoming.

SYNOPLOTHERIUM Cope. Type *S. lanius* Cope.

Cope, E. D. 1872 RR, 1.
Hay, O. P. 1902 A, 750 (Mesonyx, in part).
Cope, E. D. 1872 R, 483.
Granger, W. 1909 A, 22 (Dromocyon a syn.).
Haug, E. 1911 A, 1528.
Lockwood, S. 1884 A, 355.
Matthew, W. D. 1915 D, 85.
Palmer, T. S. 1904 A, 657, 810.
Zittel and Schlosser 1911 A, 377.
1923 A, 458.

Synoplotherium lanius Cope.

Cope, E. D. 1872 RR, 1.
Hay, O. P. 1902 A, 750 (Mesonyx).
Matthew, W. D. 1909 C, 96.
1909 D, 489, 492.
Schlosser, M. 1904 B, 453 (Mesonyx).
Trouessart, E. L. 1904 A, 164 (Mesonyx).
Wortman, J. L. 1901 B, XII, 291 (Mesonyx).
Middle Eocene (Bridger); Wyoming.

HARPAGOLESTES Wortman. Type *H. macrocephalus* Wortman.

Wortman, J. L. 1901 B, XII, 285, 286.
Granger, W. 1909 A, 22.
Gregory, W. K. 1920 A, 148.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 101.
1909 D, 327, 489, 496.
1915 D, 85.
1924 E, 748.
1928 B, 973.
Osborn, H. F. 1910 B, 142, 168, 169, 527, fig. 49.
1924 E, 4.
Palmer, T. S. 1904 A, 311, 810.
Schlosser, M. 1904 B, 452.
Scott, W. B. 1913 A, 559, 560, 571.
Trouessart, E. L. 1904 A, 163.
Zittel and Schlosser 1911 A, 377.
1923 A, 458.

Harpagolestes breviceps Thorpe.

Thorpe, M. R. 1923 B, 219, figs. 1-3.
Upper Eocene (Uinta); Utah.

Harpagolestes immanis Matthew.

Matthew, W. D. 1909 D, 489, 497, text-figs. 91, 97, 100.
Peterson, O. A. 1919 A, 42.
Thorpe, M. R. 1923 A, 38.
Upper Eocene (Uinta); Utah.

Harpagolestes macrocephalus Wortman.

Wortman, J. L. 1901 B, XII, 286, pl. iii; text-fig. 44.
Abel, O. 1922 C, 284.
Matthew, W. D. 1909 C, 96.
1909 D, 489, 496.
Schlosser, M. 1904 B, 452.
Thorpe, M. R. 1923 A, 38.
Trouessart, E. L. 1904 A, 163.
Middle Eocene (Bridger); Wyoming.

Harpagolestes uintensis (Scott).

Hay, O. P. 1902 A, 750 (Mesonyx).
Gregory, W. K. 1927 E, 343 (Mesonyx).
Matthew, W. D. 1901 A, 36.
1909 C, 98.
1909 D, 489, 497.
Osborn, H. F. 1924 E, 1, 2 (Mesonyx).
Peterson, O. A. 1919 A, 41.
Thorpe, M. R. 1923 B, 218.
Trouessart, E. L. 1904 A, 164 (Mesonyx).
Wortman, J. L. 1901 B, XII, 285, 286 (Mesonyx, Dromocyon).
1902 A, XIII, 46 (Mesonyx).
Upper Eocene (Uinta); Utah.

Harpagolestes sp. indet.

Matthew, W. D. 1909 C, 98. Upper Eocene (Uinta); Wyoming.

HAPALODECTES Matthew. Type *Dissacus leptognathus* Osborn and Wortman.

Matthew, W. D. 1909 C, 93, 101.
1909 D, 327, 487-489, 498.
1915 D, 85, 102.
Matthew and Granger 1925 D, 2, figs. 1, 2.
Osborn, H. F. 1909 D, 126.
1912 G, 236, fig. 3.
Schlosser, M. 1921 A, 112.
Zittel and Schlosser 1911 A, 377.
1923 A, 457.

Hapalodectes compressus Matthew.

Matthew, W. D. 1909 D, 488, 499, pl. xlv, fig. 5; text-fig. 101.
1915 D, 103.
Lower Eocene (Wind River); Wyoming.

Hapalodectes leptognathus (Osborn and Wortman).

Hay, O. P. 1902 A, 749 (Dissacus).
Matthew, W. D. 1909 C, 93.
1909 D, 487, 488, 498.
1915 D, 102.
Schlosser, M. 1903 B, 148 (Dissacus).
Trouessart, E. L. 1904 A, 163 (Dissacus).
Lower Eocene (Wasatch); Wyoming.

Hapalodectes sp. indet.

Matthew, W. D. 1909 C, 93. Lower Eocene (Wasatch); Wyoming.

Superfamily OXYÆNOIDÆ, new form.

Abel, O. 1913 B, 714, 718 (Pseudocreodi).
1914 A, 63, 65 (Pseudocreodi).
1919 A, 734 (Pseudocreodi).
1922 C, 280 (Pseudocreodi).
Chardin, T. 1922 A, 87 (Pseudocreodi).
Gregory, W. K. 1920 A, 239 (Pseudocreodi).
Matthew, W. D. 1909 D, 327, 330 (Pseudocreodi).
Matthew, W. D. 1915 D, 5 (Pseudocreodi).
Osborn, H. F. 1910 B, 527 (Pseudocreodi, Oxyænoidea).
Weber and Abel 1928 A, 338, 342 (Pseudocreodi).
Zittel and Schlosser 1911 A, 378 (Pseudocreodi).
1923 A, 458 (Pseudocreodi).

OXYÆNIDÆ Cope.

Cope, E. D. 1877 K, 89.
Hay, O. P. 1902 A, 756 (Oxyæninæ).
Abel, O. 1912 D, 603 ("oxyæniden").
1912 F, 501.
1913 B, 714 ("oxyæniden").
1914 A, 62, 67 ("oxyæniden").
1919 A, 737.
1920 A, 421, 422 ("oxyæniden").
1921 A, 141 ("oxyæniden").
1922 C, 287 ("oxyæniden").
Arldt, T. 1912 A, 702.
Behlen, H. 1907 A, 275 ("oxyæniden").
Branca, W. 1915 A, 43.
Chardin, P. T. 1927 A, 20 ("oxyénidés").
Cossmann, M. 1901 A, 62.
Depéret, C. 1905 C, 703 ("oxyænidés").
Kellogg, R. 1922 A, 94.
Martin, R. 1906 A, 585.
Matthew, W. D. 1901 A, 6, 7, 21.
1905 B, 69, 70.
1905 D, 31.
1909 C, 93, 96, 98, 100.
1909 D, 564.
Matthew, W. D. 1914 B, 387.
1915 D, 42.
1915 K, 445.
1921 D, 214.
1928 B, 971, 974, 980, fig. 13.
Matthew and Granger 1924 A, 5.
1925 A, 12.
Osborn, H. F. 1909 D, 132.
1910 B, 626.
Schlosser, M. 1903 B, 146 ("oxyæniden").
1904 B, 452.
Scott, W. B. 1913 A, 687.
Seeley, H. G. 1886 A, 418.
Trouessart, E. L. 1904 A, 164.
Weber, M. 1904 A, 541, 551.
Weber and Abel 1928 A, 317, 338.
Winge, H. 1924 A, 177, 184, 242 (Palæonictidini, Oxyænini).
Wortman, J. L. 1901 B, XII, 283, 285.
1902 A, XIII, 115, 116, 434.
Zittel and Schlosser 1911 A, 378.
1923 A, 458, 482, 666-668.

OXYÆNINÆ Hay.

Hay, O. P. 1902 A, 755 (Oxyæninæ, Ambloctonidæ).
Abel, O. 1919 A, 737.
Arldt, T. 1907 D, 670 (Palæonictidæ).
1912 A, 702 (Palæonictidæ).
Behlen, H. 1907 A, 274 ("palaeonictiden").
Cossmann, M. 1901 A, 62 (Palæonictidæ).
Matthew, W. D. 1901 A, 5-7 (Palæonictidæ).
1905 D, 28 (Palæonictidæ).
1909 C, 93, 100 (Palæonictidæ).
1909 D, 410, 412, 419 (Palæonictidæ); 409 (Oxyæninæ).
Osborn, H. F. 1909 D, 93 (Ambloctonidæ); 40, 42, 46 (Palæonictidæ).
Osborn, H. F. 1910 B, 626 (Palæonictidæ).
Schlosser, M. 1903 B, 146 ("palæonictiden").
1904 B, 451 (Palæonictidæ); 456 (Oxyæninæ).
Trouessart, E. L. 1904 A, 164.
Wortman, J. L. 1901 B, XI, 338; XII, 144, 201, 205, 283 (Palæonictidæ).
1902 A, XIV, 23 (Palæonictidæ).
Zittel and Schlosser 1911 A, 379 (Oxyæninæ); 566 (Palæonictidæ).
1923 A, 459 (Oxyæninæ); 459 (Palæonictidæ).

OXYÆNA Cope. Type *O. lupina* Cope.

Hay, O. P. 1902 A, 756.
Abel, O. 1912 D, 602.
1920 A, 422, fig. 637.
1921 A, 140, fig. 21.
1922 C, 278, 282, fig. 235.
Ameghino, F. 1885 A, 154.
Bensley, B. A. 1901 C, 252.
Cope, E. D. 1875 Y, 444, 448.
Cossmann, M. 1901 B, 187.
Granger, W. 1914 A, 202.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 393.
Lavocat, A. 1896 A, 26.
Loomis, F. B. 1905 C, 296.

Matthew, W. D. 1901 A, 6.
1905 D, 25, 31, figs. 5, 12.
1907 B, 534.
1909 C, 100.
1909 D, 318, 322, 326, 327, 408-410, text-figs. 1, 47, 48.
1912 B, 182.
1915 D, 42, 46.
1915 K, 421, 447, fig. 23.
1924 E, 749.
1928 B, 962, 971, 972, 974, figs. 12, 13.
Osborn, H. F. 1898 V, 206.
1907 G, 136, figs. 92, 94.
1909 D, 38, 45, 48.
1910 B, 127, 153, 527, fig. 44.
1919 B, 558.
Palmer, T. S. 1904 A, 491, 810.
Schlosser, M. 1898 J, 520.
1903 B, 146.
1903 D, 560.
1904 B, 455.
Schmidt, O. 1886 A, 283.
Scott, W. B. 1913 A, 274, 277, 565, 566, 571, 573, figs. 279, 280.
Stromer, E. 1902 A, 239.
1902 B, 554, 561.
Thorpe, M. R. 1923 A, 29.
Tomes, C. S. 1906 A, 54, fig. 21.
Trouessart, E. L. 1904 A, 164.
Wallace, A. R. 1876 A, I, 134.
Weber, M. 1904 A, 541.
Winge, H. 1924 A, 177, 185, 242.
Wortman, J. L. 1901 B, XII, 285.
1902 A, XIII, 115, 117, 433.
1903 A, XV, 431.
1906 A, 91.
Zittel and Schlosser 1911 A, 379.
1923 A, 459.

Oxyæna æquidens Matthew.

Matthew, W. D. 1915 D, 46, 47, fig. 41.
1914 B, 384 (O. æquidens).
Lower Eocene (Wasatch); Wyoming.

Oxyæna forcipata Cope.

Hay, O. P. 1902 A, 757.
Cope, E. D. 1875 Y, 444.
Matthew, W. D. 1909 C, 93.
1909 D, 412.
1915 D, 46, 49, figs. 45, 46.
Merrill, G. P. 1907 A, 52.
Reeside, J. B. 1924 A, 46.
Trouessart, E. L. 1904 A, 164.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Oxyæna gulo Matthew.

Matthew, W. D. 1915 D, 46, 53, figs. 47, 48.
Lower Eocene (Wasatch); Wyoming.

Oxyæna lupina Cope.

Hay, O. P. 1902 A, 757 (O. lupina, O. huerfanensis, O. morsitans).
Gidley, J. W. 1926 E, 41 (This species?).
Loomis, F. B. 1907 B, 356.
Matthew, W. D. 1905 D, 30, fig. 10.
1909 C, 93 (O. lupina, O. huerfanensis, O. morsitans).
1909 D, 412 (O. lupina, O. huerfanensis, O. morsitans).
1915 D, 46, 49, fig. 44.
Merrill, G. P. 1907 A, 52 (O. lupina, O. morsitans).
Osborn, H. F. 1904 F, 32.
1909 D, 49 (O. huerfanensis).
Reeside, J. B. 1924 A, 46 (O. lupina, O. morsitans).
Schlosser, M. 1903 B, 147.
1903 D, 561.
Scott, W. B. 1913 A, 572, fig. 284.
Trouessart, E. L. 1904 A, 164 (O. lupina, O. morsitans, O. huerfanensis).
Wortman, J. L. 1901 B, XII, 378.
Lower Eocene (Wasatch); Wyoming, New Mexico: (Wind River); Wyoming.

Oxyæna pardalis Matthew.

Matthew, W. D. 1915 D, 46, 55, fig. 49.
Lower Eocene (Wasatch); Wyoming.

Oxyæna transiens Matthew.

Matthew, W. D. 1915 D, 46, 47, figs. 42, 43.
Thorpe, M. R. 1923 B, 223.
Lower Eocene (Wasatch); Wyoming, Colorado?

Oxyæna sp. indet.

Matthew, W. D. 1909 C, 93. Lower Eocene (Wind River); Wyoming.
Merrill, G. P. 1907 A, 53. Lower Eocene (Wasatch); Wyoming.

PATRIOFELIS Leidy. Type *P. ulta* Leidy.

Hay, O. P. 1902 A, 757 (Patriofelis); 778 (Ælurotherium).
Abel, O. 1914 A, 67.
Beddard, F. E. 1902 A, 449 (Patriofelis); 456 (Limnofelis).
Cossmann, M. 1901 B, 187.
Fraas, E. 1905 B, 378.
Granger, W. 1909 A, 22.
Gregory, W. K. 1910 A, 313, 454, fig. 30.
1920 A, 239.
Haug, E. 1911 A, 1528.
Kellogg, R. 1922 A, 92.
Lull, R. S. 1917 B, 553, fig. 176.
Lydekker, R. 1904 C, 63.
Matthew, W. D. 1901 A, 6 (Protopsalis a syn.).
1905 B, 70.
1905 D, 31.
1909 C, 100.
1909 D, 417, 565 (Patriofelis); 417 (Oreocyon, Protopsalis, Ælurotherium, Limnofelis as syns.).
1910 C, 289 (Ælurotherium).
1912 B, 182.
1915 D, 63.
1924 E, 748.
1928 B, 971, 974, fig. 13.
Osborn, H. F. 1905 I, 101 (Ælurotherium).
1907 G, 138, fig. 95.

Osborn, H. F. 1909 D, 45, 50.
1910 B, 627, fig. 61.
Osborn, R. C. 1903 A, 653.
Palmer, T. S. 1904 A, 517, 810 (Patriofelis); 82, 826 (Ælurotherium).
Schlosser, M. 1897 B, 20.
1898 F, 134.
1898 J, 521.
1903 B, 147.
1903 D, 561.
1904 B, 456.
Scott, W. B. 1913 A, 274, 568, 571.
Stromer, E. 1902 A, 239.
1902 B, 554, 561.
1908 B, 168.
Thorpe, M. R. 1923 A, 29, 30.
Trouessart, E. L. 1904 A, 165.
Wallace, A. R. 1876 A, I, 134.
Weber, M. 1904 A, 541, 551.
Weber and Abel 1928 A, 338.
Winge, H. 1924 A, 177, 185, 242.
Wortman, J. L. 1901 B, XII, 285 (Patriofelis); 201, 205 (Ælurotherium).
1902 A, XIII, 115, 117, 433 (Patriofelis, Protopsalis); XIV, 23 (Ælurotherium).
1906 A, 90, 91.
Zittel and Schlosser 1911 A, 379.
1923 A, 458, 459, 667.

Patriofelis ferox (Marsh).

Hay, O. P. 1902 A, 757 (P. ferox); 778 (Ælurotherium leidyanum).
Abel, O. 1913 B, 715, fig. 18.
1914 A, 68, fig. 36.
1922 C, 288, fig. 242.
Ameghino, F. 1905 C, 441, fig. 88.
Leche, W. 1915 A, 350.
Matthew, W. D. 1905 D, 33, fig. 11.
1909 C, 96.
1909 D, 412, 417, 418, 420, text-figs. 44-52 (Ælurotherium leidyanum, A. bicuspis as syns.).
Osborn, H. F. 1904 F, 8, 25, 38, fig. 8.
1909 D, 50.
1910 B, 165, fig. 65 (P. vorax).
Schlosser, M. 1898 F, 135 (Ælurotherium leidyanum).
Schlosser, M. 1903 D, 561.
1904 B, 456 (P. ferox, P. leidyanum); 451 (Ælurotherium bicuspis).
Scott, W. B. 1913 A, 271, 569, 570, figs. 140, 282, 283.
Thorpe, M. R. 1923 A, 29, 30.
Trouessart, E. L. 1904 A, 165 (P. ferox); 260 (P. bicuspis).
Wortman, J. L. 1901 B, XII, 205, figs. (Ælurotherium bicuspis).
1902 A, XIII, 117, figs. 65-70; XIV, 23.
Zittel and Schlosser 1923 A, 458, fig. 582.
Middle Eocene (Bridger); Wyoming.

Patriofelis latidens (Marsh).

Hay, O. P. 1902 A, 757.
Matthew, W. D. 1909 D, 417, 418, 420 (Syn. of P. ferox).
Schlosser, M. 1904 B, 451 (Ælurotherium).
Thorpe, E. L. 1923 A, 29, 31.
Trouessart, E. L. 1904 A, 260 (Ælurotherium).
Wortman, J. L. 1901 B, XII, 202 (Ælurotherium; syn. of P. ferox).
Middle Eocene (Bridger); Wyoming.

Patriofelis tigrina (Cope).

Hay, O. P. 1902 A, 757.
Matthew, W. D. 1909 C, 93 (P. tigrinus).
1909 D, 412, 419, 432.
1915 D, 63.
Trouessart, E. L. 1904 A, 165 (Protopsalis).
Wortman, J. L. 1902 A, XIII, 117 (Protopsalis); 123 (Patriofelis).
Lower Eocene (Wind River); Wyoming.

Patriofelis ulta Leidy.

Hay, O. P. 1902 A, 758.
Hayden, F. V. 1871 A, 145.
Matthew, W. D. 1909 C, 96.
1909 D, 412, 419, 432.
1915 D, 62.
Merrill, G. P. 1907 A, 54.
Osborn, H. F. 1909 D, 50.
Thorpe, M. R. 1923 A, 32.
Trouessart, E. L. 1904 A, 165.
Middle Eocene (Bridger); Wyoming.

Palæonictis Blainville. Type *P. gigantea* Blainville.

Hay, O. P. 1902 A, 755.
Ameghino, F. 1902 D, 423.
Broom, R. 1909 C, 133.
Chardin, T. 1922 A, 54.
Cope, E. D. 1875 Y, 447.
Depéret, C. 1905 C, 703.
1908 A, 112.
1912 A, 706.
Gervais, P. 1852 A, 130.
1859 A, 225.
Heilprin, A. 1887 A, 393 (Palæonyctis).
Lydekker, R. 1904 C, 63.
Matthew, W. D. 1906 B, 361.
1906 C, 216, text-fig. 6.
1909 C, 100.
1909 D, 327, 409-411, 419.
1910 C, 289.
1912 B, 184.
Matthew, W. D. 1915 D, 42, 57.
1915 K, 415, 421.
1924 E, 749.
1928 B, 962, 974, fig. 13.
Miller, G. S. 1923 A, 13.
Osborn, H. F. 1905 I, 98.
1907 G, 135, figs. 90, 95, 96.
1910 B, 115, 119, 126, 127, 527.
Schlosser, M. 1903 I, 31.
1906 A, 31.
1911 A, 90.
Scott, W. B. 1913 A, 277, 574.
Seeley, H. G. 1878 A, 222.
Stehlin, H. G. 1905 A, 555.
Trouessart, E. L. 1904 A, 260.
Weber and Abel 1928 A, xxi, 317, 338.
Winge, H. 1924 A, 177, 184, 242, 246.
Wortman, J. L. 1901 B, XII, 201, 205.

Wortman, J. L. 1903 A, xv, 431.
Zittel and Schlosser 1911 A, 379.
1923 A, 458, 459, 665.

Palæonictis occidentalis Osborn and Wortman.

Hay, O. P. 1902 A, 756.
Chardin, T. 1922 A, 82.
Matthew, W. D. 1909 C, 93.
1909 D, 412.
1915 D, 58.
Osborn, H. F. 1904 F, 7.
Trouessart, E. L. 1904 A, 260.
Wortman, J. L. 1901 B, xii, 202 (P. americanus).
Lower Eocene (Wasatch); Wyoming.

AMBLOCTONUS Cope. Type *A. sinosus* Cope.

Hay, O. P. 1902 A, 756.
Ameghino, F. 1885 A, 154.
Cope, E. D. 1875 Y, 444, 448.
Matthew, W. D. 1901 A, 6 (Amblyctonus).
1909 C, 100.
1909 D, 327, 409, 410, 411, 419.
1915 D, 59.
1928 B, 962, 973 (Amblyctonus).
Osborn, H. F. 1907 G, 138, fig. 95.
1910 B, 527.
Palmer, T. S. 1904 A, 90, 809.
Schlosser, M. 1921 A, 107.
Trouessart, E. L. 1904 A, 260 (Amblyctonus).
Winge, H. 1924 A, 177, 184.
Wortman, J. L. 1901 B, xii, 202.
Zittel and Schlosser 1911 A, 379.
1923 A, 459.

Ambloctonus coloradensis Matthew.

Matthew, W. D. 1909 C, 96 (Patriofelis?).
1909 D, 412, 419, 432 (Patriofelis).
Matthew, W. D. 1915 D, 62.
Osborn, H. F. 1897 G, 256 (Patriofelis ulta).
1898 G, 256 (Patriofelis ulta).
1900 I, 278, fig. 8 (Patriofelis ulta).
Middle Eocene (Huerfano); Colorado.

Ambloctonus hyænoides Matthew.

Matthew, W. D. 1915 D, 61, figs. 50, 52, 53.
Lower Eocene (Wasatch); New Mexico.

Ambloctonus priscus Matthew.

Matthew, W. D. 1915 D, 60, figs. 50, 51.
Lower Eocene (Wasatch); Wyoming.

Ambloctonus sinosus Cope.

Hay, O. P. 1902 A, 756.
Matthew, W. D. 1909 C, 93.
1909 D, 412.
1915 D, 61.
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); New Mexico.

LIMNOCYONINÆ Wortman.

Wortman, J. L. 1902 A, xiii, 117, 124, 128.
Abel, O. 1914 A, 67.
1919 A, 737.
Matthew, W. D. 1909 D, 408, 409.
1915 D, 69.
Schlosser, M. 1904 B, 456.
Trouessart, E. L. 1904 A, 165.
Zittel and Schlosser 1911 A, 378.
1923 A, 459, 667.

PROLIMNOCYON Matthew. Type *P. atavus* Matthew.

Matthew, W. D. 1915 D, 42, 67.
1928 B, 962, 972, fig. 12.
Winge, H. 1924 A, 184.
Zittel and Schlosser 1923 A, 459.

Prolimnocyon antiquus Matthew.

Matthew, W. D. 1915 D, 67, 70, figs. 57, 63.
Lower Eocene (Wind River); Wyoming.

Prolimnocyon atavus Matthew.

Matthew, W. D. 1915 D, 67, 68, figs. 57-61.
Lower Eocene (Wasatch); Wyoming.

Prolimnocyon robustus Matthew.

Matthew, W. D. 1915 D, 67, 70, figs. 57, 62.
Lower Eocene (Wasatch); Wyoming.

LIMNOCYON Marsh. Type *L. verus* Marsh.

Marsh, O. C. 1872 G, 126.
Hay, O. P. 1902 B, 751 (Stypolophus, in part); 755 (Telmatocyon).
Abel, O. 1913 B.
1919 A, 737.
Granger, W. 1909 A, 22.
Gregory, W. K. 1920 A, 146, fig. 76.
Haug, E. 1911 A, 1528.
Marsh, O. C. 1899 B, 397 (Telmatocyon).
Matthew, W. D. 1901 A, 6, 20, 21 (Telmatocyon); 23 (Syn. of Sinopa).
1906 C, 206.
1909 C, 100.
1909 D, 323, 325, 327, 403, 408-410, 433-435, 464, text-figs. 2, 4, 47, 48.
1924 E, 748.
1928 B, 973, 974, fig. 13.
Matthew and Granger 1925 A, 11.
Moodie, R. L. 1923 B, 174.
Osborn, H. F. 1909 D, 45.
1910 B, 131, 133, 167, 527.
Palmer, T. S. 1904 A, 376, 811 (Lymnocyon); 667, 812 (Telmatocyon).
Peterson, O. A. 1919 A, 42.
Schlosser, M. 1904 B, 456.
1911 A, 150.
Scott, W. B. 1913 A, 573.
Thorpe, M. R. 1923 A, 37.
Trouessart, E. L. 1904 A, 165.
Winge, H. 1924 A, 177, 185, 242.
Wortman, J. L. 1901 B, xii, 281, 285.
1902 A, xiii, 115, 125, 197 (Lymnocyon); 198 (Telmatocyon a syn.).

Zittel and Schlosser 1911 A, 378.
1923 A, 459.

Limnocyon douglassi Peterson.

Peterson, O. A. 1919 A, 45, pl. xxxiv, figs. 11-14.
Upper Eocene (Uinta); Utah.

Limnocyon potens Matthew.

Matthew, W. D. 1909 D, 412, 447.
Moodie, R. L. 1918 C, 277, fig. 20.
1918 D, 506.
1923 B, 252, 268, pl. li.
Peterson, O. A. 1919 A, 46.
Upper Eocene (Washakie); Wyoming.

Limnocyon verus Marsh.

Marsh, O. C. 1872 G, 126.
Hay, O. P. 1902 A, 752 (Stypolophus); 755 (Telmatocyon riparius).
Abel, O. 1913 B, 715, fig. 17.
1914 A, 68, fig. 35.
Lydekker, R. 1910 F, 656, fig. 2.
Matthew, W. D. 1909 C, 96.
1909 D, 412, 433, 434, pl. xliv, fig. 1; pl. xlvii, fig. 2; text-figs. 53-58.
Peterson, O. A. 1919 A, 46.
Schlosser, M. 1904 B, 456.
Thorpe, M. R. 1923 A, 32 (L. verus); 33 (L. riparius).
Trouessart, E. L. 1904 A, 165.
Wortman, J. L. 1902 A, xiii, 198, pl. vi, figs. 71-75.
Middle Eocene (Bridger); Wyoming.

Limnocyon sp. indet.

Matthew, W. D. 1909 C, 93, 96, 98. Lower Eocene (Wind River); Wyoming: Middle Eocene (Bridger); Wyoming.

Dipsalidictis Matthew. Type *D. platypus* Matthew.

Matthew, W. D. 1915 D, 42, 63.
1928 B, 962.
Winge, H. 1924 A, 177, 185.
Zittel and Schlosser 1923 A, 459.

Dipsalidictis platypus Matthew.

Matthew, W. D. 1915 D, 65, figs. 54-56.
1914 B, 384 (No description).
Thorpe, M. R. 1923 B, 223.
Lower Eocene (Wasatch); Wyoming.

Thinocyon Marsh. Type *T. velox* Marsh.

Hay, O. P. 1902 A, 761.
Abel, O. 1922 C, 288.
Granger, W. 1909 A, 22.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 100.
1909 D, 324, 325, 327, 408, 410, 433, 448, text-figs. 3, 4, 47, 48.
Palmer, T. S. 1904 A, 673, 812.
Winge, H. 1924 A, 177, 184, 242.
Wortman, J. L. 1902 A, xiii, 197, 198 (Syn? of Limnocyon).
Zittel and Schlosser 1911 A, 378.
1923 A, 459, 667.

Thinocyon cledensis Matthew.

Matthew, W. D. 1909 D, 412, 460.
Upper Eocene (Washakie); Wyoming.

Thinocyon medius (Wortman).

Wortman, J. L. 1902 A, xiii, 202, figs. 81, 82 (Limnocyon).
Leche, W. 1915 A, 357 (Thiocyon).
Matthew, W. D. 1909 C, 96.
1909 D, 412, 453, 459, text-figs. 62-70.
Schlosser, M. 1904 B, 457 (Limnocyon).
Thorpe, M. R. 1923 A, 33, 34.
Trouessart, E. L. 1904 A, 165 (Limnocyon).
Zittel and Schlosser 1911 A, 378, fig. 542 (Limnocyon).
1923 A, 458, fig. 581 (Limnocyon).
Middle Eocene (Bridger); Wyoming.

Thinocyon minimus Matthew.

Matthew, W. D. 1909 D, 300, 412 (No description).
Middle Eocene (Bridger); Wyoming.

Thinocyon mustelinus Matthew.

Matthew, W. D. 1909 D, 461.
Thorpe, M. R. 1923 A, 34.
Middle Eocene (Bridger); Wyoming.

Thinocyon velox Marsh.

Hay, O. P. 1902 A, 761.
Matthew, W. D. 1909 C, 96.
1909 D, 412, 449, pl. xliv, figs. 2, 3; text-figs. 59-61.
Schlosser, M. 1904 B, 457 (Limnocyon).
Thorpe, M. R. 1923 A, 33.
Trouessart, E. L. 1904 A, 165 (Limnocyon).
Wortman, J. L. 1902 A, xiii, 202, figs. 76-80 (Limnocyon).
Middle Eocene (Bridger); Wyoming.

Thinocyon sp. indet.

Matthew, W. D. 1909 C, 96.
1909 D, 412.
Lower Eocene (Wind River); Wyoming: Middle Eocene (Bridger); Wyoming: Upper Eocene (Uinta); Wyoming.

Oxyænodon Matthew. Type *O. dysodus* Matthew.

Hay, O. P. 1902 A, 759.
Bensley, B. A. 1901 C, 252.
Cossmann, M. 1901 A, 62.
Matthew, W. D. 1909 C, 100.
1909 D, 327, 408, 410, 433.
1924 E, 748.

Matthew, W. D. 1928 B, 973.
Palmer, T. S. 1904 A, 491, 810.
Schlosser, M. 1903 B, 148.
Scott, W. B. 1913 A, 555.
Wortman, J. L. 1902 A, xiii, 116, 197.
Zittel and Schlosser 1911 A, 378.
1923 A, 459.

Oxyænodon dysclerus Hay.

Hay, O. P. 1902 A, 759.
Matthew, W. D. 1909 C, 98.
1909 D, 412.
Peterson, O. A. 1919 A, 42, 43, pl. xxxiv, figs. 1, 2; text-figs. 1, 2.
Schlosser, M. 1903 B, 147 (O. dyssodus).
Trouessart, E. L. 1904 A, 165 (Limnocyon).
Wortman, J. L. 1902 A, xiii, 197, 206 (Limnocyon dysodus, not Oxyænodon dysodus Matthew).
Upper Eocene (Uinta); Utah.

Oxyænodon dysodus Matthew.

Hay, O. P. 1902 A, 759.
Cossmann, M. 1901 A, 62 (O. dipodus).
Matthew, W. D. 1909 C, 98.
1909 D, 412.
Peterson, O. A. 1919 A, 42.
Schlosser, M. 1903 B, 147.
1904 B, 457 (Limnocyon dysotus).
Trouessart, E. L. 1904 A, 165 (Limnocyon).
Upper Eocene (Uinta); Utah.

Machæroides Matthew. Type *M. eothen* Matthew.

Matthew, W. D. 1909 D, 327, 410, 461, 462, text-fig. 48.
Abel, O. 1913 B, 714 (Machairoides).
1914 A, 67.
1919 A, 737 (Machairoides).
Scott, W. B. 1913 A, 573.
Zittel and Schlosser 1911 A, 379.

Machæroides eothen Matthew.

Matthew, W. D. 1909 D, 412, 462, text-fig. 71.
Middle Eocene (Bridger); Wyoming.

HYÆNODONTIDÆ Leidy.

Leidy, J. 1869 A, 38.
Hay, O. P. 1902 A, 756.
Abel, O. 1912 D, 601 ("hyænodontiden").
1912 F, 501, 678.
1913 B, 714 ("hyænodontiden").
1914 A, 60 ("hyænodontiden").
1919 A, 735.
1920 A, 421, 422 ("hyænodontiden").
1921 A, 141 ("hyænodontiden").
1922 C, 286 ("hyænodontiden").
Ameghino, F. 1889 A, 1015.
1905 C, 442.
Arldt, T. 1907 D, 659.
1912 A, 702.
Behlen, H. 1907 A, 275 ("hyaenodontiden").
Branca, W. 1915 A, 43.
Chardin, T. 1922 A, 58.
1927 A, 20 ("hyénodontidés").
Cope, E. D. 1880 U, 154.
Cossmann, M. 1901 A, 62.
Depéret, C. 1908 A, 113.
Fraas, E. 1904 A, 14 ("hyaenodontiden").
Gregory, W. K. 1914 E, 526.
1920 A, 208.
Kellogg, R. 1922 A, 94.
Leche, W. 1921 A, 72.
Lydekker, R. 1915 B, 277.
Martin, R. 1906 A, 410 (Syn. of Proviverridæ).
Matthew, W. D. 1901 A, 1, 5, 7, 19, 21.
1905 B, 70.
1905 D, 32.
1909 C, 127.
1909 D, 300, 324, 327, 330, 463-468.
1913 A, 312.
1914 B, 387.
Matthew, W. D. 1915 D, 71.
1915 K, 445.
1921 D, 214.
1928 B, 971, 974, 980, fig. 13.
Matthew and Granger 1925 A, 12.
1925 C, 1.
Osborn, H. F. 1905 H, 218.
1905 I, 103.
1909 D, 127.
1910 B, 618.
Schlosser, M. 1904 B, 452, 457.
1911 A, 73, 148.
Schwarz, E. 1924 A, 420 ("hyænodons").
Scott, W. B. 1913 A, 683.
Seeley, H. G. 1886 A, 418.
Steinmann, G. 1907 A, 470.
Stromer, E. 1906 A, 209.
1916 A, 403.
1926 A, 110.
Thorpe, M. R. 1922 B, 277.
Trouessart, E. L. 1904 A, 166.
Weber, M. 1904 A, 539.
Weber and Abel 1928 A, 336, 338.
Winge, H. 1896 A, 126, 127 (With subfamilies Proviverrini, Mesonychini, Hyænodontini).
1919 A, 59.
1924 A, 177, 178, 181, 241 (Hyænodontini, Proviverrini).
Winge and Miller 1921 A, 12, 45.
Wortman, J. L. 1901 B, xii, 283, 285.
1902 A, xiii, 433.
Zittel and Schlosser 1911 A, 379.
1923 A, 459, 482, 666-668, 670 (Hyænodontidæ); 461 (Hyænodontinæ).

PROVIVERRINÆ Matthew.

Matthew, W. D. 1909 C, 101.
Hay, O. P. 1902 A, 751 (Proviverridæ).
Abel, O. 1919 A, 735 (Proviverrinæ).
Arldt, T. 1907 D, 677 (Proviverridæ).
Behlen, H. 1907 A, 275 ("proviverriden").
Depéret, C. 1905 C, 703 ("proviverridés").
Martin, R. 1906 A, 410 (Proviverridæ).
Matthew, W. D. 1901 A, 56 (Proviverridæ).

Matthew, W. D. 1909 D, 464, 465 (Proviverridæ, Proviverrinæ).
Palmer, T. S. 1904 A, 766, 811 (Proviverridæ).
Schlosser, M. 1886 C, 293 (Proviverridæ).
1898 B, 361, 366.
Steinmann, G. 1907 A, 470 (Proviverridæ).
Stromer, E. 1908 B, 168 (Proviverridæ).
Weber and Abel 1928 A, 338.
Zittel and Schlosser 1911 A, 379.
1923 A, 460.

SINOPA Leidy. Type *S. rapax* Leidy.

Leidy, J. 1871 F, 115.
Hay, O. P. 1902 A, 751 (Stypolophus).
Abel, O. 1914 A, 62.
1922 C, 286.
Ameghino, F. 1905 C, 442.
Andrews, C. W. 1906 A, xxii.
Bardenfleth, K. S. 1913 A, 76 (Stypolophus).
Chardin, T. 1922 A, 59, 82.
1924 A, 13.
Cope, E. D. 1875 Y, 448 (Stypolophus).
1880 U, 153 (Stypolophus).
Dollo and Chardin 1924 A, 13.
Fraas, E. 1904 A, 14.
Granger, W. 1909 A, 22.
Gregory, W. K. 1918 A, 4.
Haug, E. 1911 A, 1528.
Leche, W. 1915 A, 350.
Lönnberg, E. 1910 B, 238.
1911 A, 60.
Lydekker, R. 1904 C, 63, fig. 4.
1910 F, 655.
Martin, R. 1906 A, 410 (Sinopa, Stypolophus).
Matthew, W. D. 1901 A, 6, 19, 20, 23.
1905 B, 69 (Sinopa); 71 (Prototomus).
1905 D, 32.
1906 C, 203, 204, 205, 216, fig. 6 (Sinopa); 204 (Stypolophus, Prototomus).
1907 B, 534.
1909 C, 101.
1909 D, 574, figs. 2, 3 (Sinopa); 417 (Prototomus); 318, 469 (Stypolophus).
1915 D, 71.
1915 K, 421.
1924 E, 748, 749 (Sinopa).
1928 B, 962, 971, 972, 974, figs. 12, 13.
Matthew and Granger 1925 A, 11.
Miller, G. S. 1923 A, 11.
Osborn, H. F. 1898 V, 206 (Stypolophus).
1907 G, 134, figs. 89, 94, 96, 196.
1909 D, 38, 54.
1910 B, 127, 133, 161, 164, 527.
1912 G, 236, fig. 3.
Osborn and Wortman 1892 A, 110 (Stypolophus).
Palmer, T. S. 1904 A, 633, 811 (Sinopa); 651, 811 (Stypolophus).
Schlosser, M. 1898 J, 522.
1904 B, 457.
1911 A.
Scott, W. B. 1913 A, 555, 565, 566, 567, figs. 279, 280.
Seeley, H. G. 1886 A, 418 (Stypolophus).
Steinmann, G. 1912 B, 727.
Stromer, E. 1906 A, 215.
1908 B, 168.
Thorpe, M. R. 1923 A, 37.
Tomes, C. S. 1906 A, 55, fig. 22.
Trouessart, E. L. 1904 A, 166.
Wallace, A. R. 1876 A, I, 134.
Weber, M. 1904 A, 539 (Sinopa, Stypolophus).
Weber and Abel 1928 A, 339.
Winge, H. 1924 A, 179, 181, 182, 241, 246 (Stypolophus).
Winge and Miller 1921 A, 12 (Stypolophus).
Wood, H. E. 1927 A, 297.
Wortman, J. L. 1901 B, XII, 281, 285 (Stypolophus).
1902 A, XIII, 433, 434.
1903 A, XV, 431.
Zittel and Schlosser 1911 A, 380.
1923 A, 460, 667.

Sinopa aculeata (Cope).

Cope, E. D. 1872 NN, 1 (Triacodon).
Hay, O. P. 1902 A, 752 (Stypolophus).
Cope, E. D. 1872 PP, 1 (Triacodon).
Matthew, W. D. 1901 A, 24.
1909 D, 474.
Schlosser, M. 1904 B, 459 (Stypolophus).
Wortman, J. L. 1902 A, XIV, 20.

Sinopa grangeri Matthew.

Matthew, W. D. 1906 C, 206, pl. xvi; text-figs. 1-5, 7-20.
Drevermann, F. 1913 C, 200, fig. 2.
Gidley, J. W. 1918 A, 60.
Gregory, W. K. 1918 A, 6, fig. 3.
Matthew, W. D. 1909 C, 96.
1909 D, 470, 472.
1915 D, 72.
Schlosser, M. 1911 A, 79.
Middle Eocene (Bridger); Wyoming.

Sinopa hians (Cope).

Hay, O. P. 1902 A, 752 (Stypolophus).
Cope, E. D. 1875 Y, 444 (Stypolophus).
Matthew, W. D. 1901 A, 25.
1909 C, 93.
1909 D, 470.
1915 D, 72, 75, figs. 68-71.
Merrill, G. P. 1907 A, 58 (Prototomus); 61 (Stypolophus).
Reeside, J. B. 1924 A, 46.
Trouessart, E. L. 1904 A, 166.
Wortman, J. L. 1902 A, XIV, 20.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Sinopa? insectivora (Cope).

Cope, E. D. 1872 PP, 1 (Stypolophus).
Hay, O. P. 1902 A, 752 (Stypolophus).
Matthew, W. D. 1901 A, 24 (Sinopa?).
1909 D, 474 (Stypolophus).
Schlosser, M. 1904 B, 459 (Stypolophus).
Trouessart, E. L. 1904 A, 166.
Wortman, J. L. 1902 A, XIV, 20.
Middle Eocene (Bridger); Wyoming.

Sinopa major Wortman.

Wortman, J. L. 1902 A, XIV, 18, figs. 98, 99.
Matthew, W. D. 1906 C, 207, text-figs. 1, 2.

Matthew, W. D. 1909 C, 96.
1909 D, 470, 473, pl. xlv, fig. 4.
1915 D, 72.
Thorpe, M. R. 1923 A, 36.
Trouessart, E. L. 1904 A, 166.
Schlosser, M. 1904 B, 459.
1911 A, 76.
Middle Eocene (Bridger); Wyoming.

Sinopa minor Wortman.

Wortman, J. L. 1902 A, xiv, 17, figs. 96, 97.
Matthew, W. D. 1906 C, 207, text-figs. 1, 2.
1909 C, 96.
1909 D, 470, 473.
1915 D, 72.
Schlosser, M. 1904 B, 459.
Thorpe, M. R. 1923 A, 35.
Trouessart, E. L. 1904 A, 166.
Middle Eocene (Bridger); Wyoming.

Sinopa mordax Matthew.

Matthew, W. D. 1915 D, 72, 73, fig. 64.
Lower Eocene (Wasatch); Wyoming.

Sinopa multicuspis (Cope).

Hay, O. P. 1902 A, 752 (Stypolophus).
Gidley, J. W. 1926 E, 41.
Matthew, W. D. 1901 A, 27.
1909 C, 93.
1909 D, 470.
1915 D, 72, 80, figs. 72, 73.
Merrill, G. P. 1907 A, 58 (Prototomus); 61 (Stypolophus).
Reeside, J. B. 1924 A, 46.
Trouessart, E. L. 1904 A, 167.
Lower Eocene (Wasatch); New Mexico, Wyoming.

Sinopa opisthotoma Matthew.

Matthew, W. D. 1901 A, 28, text-fig. 9.
1909 C, 93.
1909 D, 470.
1915 D, 72, 73.
Trouessart, E. L. 1904 A, 167.
Wortman, J. L. 1902 A, xiv, 21.
Lower Eocene (Wasatch); Wyoming.

Sinopa pungens (Cope).

Cope, E. D. 1872 OO, 1 (Stypolophus).
Hay, O. P. 1902 A, 752 (Stypolophus).
Matthew, W. D. 1901 A, 24.
1906 C, 209, text-fig. 2.
1909 C, 96.
1909 D, 470, 472 (Stypolophus).
1915 D, 72.
Trouessart, E. L. 1904 A, 166 (Syn. of S. rapax).
Wortman, J. L. 1902 A, xiii, 125 (Syn. of S. rapax).
Middle Eocene (Bridger); Wyoming.

Sinopa rapax Leidy.

Hay, O. P. 1902 A, 752 (Stypolophus).
Abel, O. 1922 C, 281, 286, fig. 236.
Cope, E. D. 1872 OO, 1.
1884 O, 289 (Stypolophus vorax, *errore*).
Drevermann, F. 1913 C, 199, fig. 1.
Matthew, W. D. 1901 A, 23.
Matthew, W. D. 1905 B, 71.
1906 C, 206, text-figs. 1, 2.
1909 C, 96.
1909 D, 464, 470, 471, pl. xlv, figs. 1, 2; pl. xlvi, fig. 2; pl. xlvii, fig. 2; text-figs. 72, 73.
1915 D, 72.
Schlosser, M. 1904 B, 458.
Thorpe, M. R. 1923 A, 35.
Trouessart, E. L. 1904 A, 166.
Wortman, J. L. 1902 A, xiii, 435, figs. 83, 84; xiv, 17 (S. rapax); 18 (S. edax).
Middle Eocene (Bridger); Wyoming.

Sinopa rapax lania Matthew.

Matthew, W. D. 1909 D, 472, pl. xlv, fig. 3, pl. xlvii, fig. 1.
Upper Eocene (Washakie); Wyoming.

Sinopa secundaria (Cope).

Hay, O. P. 1902 A, 752 (Stypolophus).
Matthew, W. D. 1901 A, 27.
1909 D, 470.
1915 D, 71, 72, 82, fig. 77 (This species?).
Merrill, G. P. 1907 A, 58 (Prototomus); 61 (Stypolophus).
Trouessart, E. L. 1904 A, 167.
Lower Eocene (Wasatch); New Mexico.

Sinopa shoshoniensis Matthew.

Matthew, W. D. 1915 D, 72, 73, fig. 65.
Lower Eocene (Wasatch); Wyoming.

Sinopa strenua (Cope).

Hay, O. P. 1902 A, 752 (Stypolophus).
Matthew, W. D. 1901 A, 26.
1909 C, 93.
1909 D, 470.
1915 D, 72, 74, figs. 66, 67.
Merrill, G. P. 1907 A, 58 (Prototomus); 61 (Stypolophus).
Reeside, J. B. 1924 A, 46.
Simpson, G. G. 1928 J, 5, fig. 1.
Trouessart, E. L. 1904 A, 166.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Sinopa vera (Marsh).

Hay, O. P. 1902 A, 752 (Stypolophus).
Matthew, W. D. 1901 A, 23.
Wortman, J. L. 1901 B, xii, 200 (Triacodon grandis a syn.).
Middle Eocene (Bridger); Wyoming.

Sinopa viverrina (Cope).

Hay, O. P. 1902 A, 753 (Stypolophus).
Matthew, W. D. 1901 A, 27.
1909 C, 93.
1909 D, 470.
1915 D, 72, 83.
Merrill, G. P. 1907 A, 59 (Prototomus); 61 (Stypolophus).
Reeside, J. B. 1924 A, 46.
Seeley, H. G. 1886 A, 418.
Trouessart, E. L. 1904 A, 167.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Sinopa vulpecula Matthew.

Matthew, W. D. 1915 D, 72, 80, figs. 74-76.
Lower Eocene (Wasatch); Wyoming.

Sinopa sp. indet.

Matthew, W. D. 1909 C, 93. Lower Eocene (Wind River); Wyoming.

TRITEMNODON Matthew. Type *Limnocyon agilis* Marsh.

Matthew, W. D. 1906 C, 205, 207, 216.
Abel, O. 1922 C, 282.
Haug, E. 1911 A, 1528.
Leche, W. 1915 A, 350.
Lull, R. S. 1917 B, 553, fig. 176.
Matthew, W. D. 1908 C, 69.
1909 C, 100.
1909 D, 325-327, 464, 465, 467, 474, 476, 483.
1915 D, 71.
1928 B, 974, fig. 13.
Matthew and Granger 1924 B, 1.
Osborn, H. F. 1909 D, 41, 45.
1910 B, 31, 133, 161, 163, 527.
Schlosser, M. 1911 A, 79, 150.
Scott, W. B. 1913 A, 565, 566, 567, 633, figs. 279-281.
Thorpe, M. R. 1923 A, 37.
Winge, H. 1924 A, 179.
Zittel and Schlosser 1911 A, 380.
1923 A, 460.

Tritemnodon agilis (Marsh).

Hay, O. P. 1902 A, 752 (Stypolophus).
Abel, O. 1913 B, 714, fig. 15 (T. agile).
1919 A, 736, fig. 549 (Sinopa).
1922 C, 286, fig. 239.
Cope, E. D. 1872 PP, 1 (Stypolophus brevicolcarabus).
Lönnberg, E. 1910 B, 239, fig. 1.
1911 A, 61, fig.
Matthew, W. D. 1901 A, 24 (Stypolopus brevicalcaratus a syn.).
Matthew, W. D. 1905 B, 71 (Sinopa).
1906 C, 205; 207, text-figs. 1, 6.
1909 C, 96.
1909 D, 464, 475, pl. xlvi, fig. 1; text-figs. 74-90.
1915 D, 76.
1915 K, fig. 23.
Osborn, H. F. 1910 B, 163, fig. 62.
Schlosser, M. 1904 B, 458 (Sinopa agilis); 459 (Stypolophus gracilis).
Scott, W. B. 1913 A, 271, fig. 140.
Thorpe, M. R. 1923 A, 29, 36, 37.
Trouessart, E. L. 1904 A, 166 (Sinopa).
Wortman, J. L. 1902 A, XIII, 437, pls. ix, x; text-figs. 85-90, 92-95 (Sinopa agilis); XIV, 17, 18, 20 (S. gracilis).
Middle Eocene (Bridger); Wyoming.

Tritemnodon whitiæ (Cope).

Hay, O. P. 1902 A, 753 (Stypolophus whiteæ).
Fraas, E. 1904 A, 14 (Stypolophus).
Loomis, F. B. 1907 B, 356 (Stypolophus).
Matthew, W. D. 1901 A, 26 (Sinopa).
1906 C, 207, text-figs. 1, 2.
1909 C, 93.
1909 D, 470 (Tritemnodon?).
1915 D, 84.
Schlosser, M. 1911 A, 79.
Trouessart, E. L. 1904 A, 166 (Sinopa).
Wortman, J. L. 1902 A, XIV, 20 (Sinopa).
Lower Eocene (Wind River); Wyoming.

PROVIVERRA Rütimeyer. Type *P. typica* Rütimeyer.

Hay, O. P. 1902 A, 753.
Ameghino, F. 1902 D, 423.
Chardin, T. 1922 A, 59.
Cope, E. D. 1880 U, 152.
Matthew, W. D. 1901 A, 6, 20.
1906 C, 204, 205.
1909 D, 327, 466, 467.
Schlosser, M. 1898 J, 522.
Simpson, G. G. 1928 J, 8.
Stromer, E. 1908 B, 169.
Trouessart, E. L. 1904 A, 168.
Wortman, J. L. 1901 B, XII, 61, 285.
1902 A, XIII, 433.
1903 A, XV, 431.
Zittel and Schlosser 1911 A, 380, fig. 543.
1923 A, 460, 668, fig. 583.

Proviverra americana Scott.

Hay, O. P. 1902 A, 753.
Trouessart, E. L. 1904 A, 168.
Middle Eocene (Bridger); Wyoming.

TRIACODON Marsh. Type *T. fallax* Marsh.

Hay, O. P. 1902 A, 753.
Cope, E. D. 1872 PP, 1.
Matthew, W. D. 1901 A, 20.
1906 C, 204.
1909 D, 340.
Palmer, T. S. 1904 A, 687, 811.
Trouessart, E. L. 1904 A, 165, 171 (Syn. of Limnocyon).
A genus whose systematic position is at present indeterminable.

Triacodon fallax Marsh.

Hay, O. P. 1902 A, 753.
Cope, E. D. 1872 NN, 1 (T. fallox).
Matthew, W. D. 1909 D, 340.
Thorpe, M. R. 1923 A, 36 (Syn. of Sinopa minor).
Trouessart, E. L. 1904 A, 245 (Syn. ? of Viverravus gracilis).
Wortman, J. L. 1901 B, XII, 200, fig. 36 (Syn. of Viverravus gracilis).
Upper Eocene (Bridger); Wyoming.

Triacodon grandis Marsh.

Hay, O. P. 1902 A, 753.
Matthew, W. D. 1909 D, 341, 342.
Trouessart, E. L. 1904 A, 165 (Syn. of Limnocyon verus).
Wortman, J. L. 1901 B, xii, 200 (Syn.? of Limnocyon verus).
Middle Eocene (Bridger); Wyoming.

Triacodon nanus Marsh.

Hay, O. P. 1902 A, 753.
Matthew, W. D. 1909 D, 341, 342.
Thorpe, M. R. 1923 A, 28.
Wortman, J. L. 1901 B, xii, 200 (This genus?).
Middle Eocene (Bridger); Wyoming.

HYÆNODONTINÆ Matthew.

Matthew, W. D. 1909 D, 466.
Hay, O. P. 1902 A, 758.
Abel, O. 1914 A, 65, 66.
1919 A, 735.
Weber and Abel 1928 A, 339.
Zittel and Schlosser 1911 A, 380.
1923 A, 461.

HYÆNODON Laizer and Parieu. Type *H. leptorhynchus* Laizer and Parieu.

Hay, O. P. 1902 A, 758.
Abel, O. 1912 D, 602.
1914 A, 66.
1920 A, 422, fig. 637.
1921 A, 140, fig. 21.
1922 C, 278, 286, fig. 235.
Ameghino, F. 1885 A, 154.
1889 A, 1015.
1904 A, 27.
1904 C, 117.
1905 A, 1.
1905 C, 442.
1912 B, 177.
Andrews, C. W. 1906 A, xxii.
Bardenfleth, K. S. 1913 A, 107.
Beddard, F. E. 1902 A, 455.
Bensley, B. A. 1901 C, 252.
Bronn, H. G. 1848 A, 597.
1849 A, 721.
Cope, E. D. 1880 U, 151, 152, 156.
Douglass, E. 1905 A, 211.
Drevermann, F. 1913 C, 201, fig.
Frick, C. 1926 A, 40.
Gaudry, A. 1875 D, 1282.
Gervais, P. 1852 A, 127, explan. pls. xi, xxiv, xxv.
1859 A, 232.
Giebel, C. G. 1855 A, 24, pl. x.
Gregory, W. K. 1920 A, 14, 147, 239, figs. 77, 78.
Haug, E. 1911 A, 1528.
Hayden, F. V. 1871 A, 105, 107.
Heilprin, A. 1887 A, 393.
Hoernes, R. 1886 A, 658.
Huxley, T. H. 1880 D, 450.
Jepsen, G. L. 1926 A, 1.
Leche, W. 1915 A, 348.
Lemoine, V. 1889 A, 235.
Lobley, J. L. 1908 A, 211.
Lull, R. S. 1917 B, 553, fig. 176.
Lydekker, R. 1899 B, 925, pl. lxii, fig. 1.
1904 C, 63, fig. 5.
1910 F, 655.
Mackie, S. J. 1863 D, 336.
Major, C. J. F. 1880 A, 39.
Martin, R. 1906 A, 410, 458.
Matthew, W. D. 1901 A, 6, 19.
1901 B, 369, 370.
1905 B, 69.
1905 D, 25, 32, figs. 4, 7.
Matthew, W. D. 1906 C, 205, 216, text-fig. 6.
1908 C, 69.
1909 C, 103, 110.
1909 D, 315, 322, 324, 326, 327, 403, 464, 466, text-figs. 1, 3.
1915 K, 420.
1928 B, 971, 974, fig. 13.
Matthew and Granger 1924 A, 5.
1924 B, 1.
1925 D, 4.
Miller, G. S. 1923 A, 11.
O'Harra, C. C. 1910 A, 77, 78, 126, pl. xxiv.
1920 A, 78, pl. xxv.
Osborn, H. F. 1907 G, 136, figs. 91, 94, 96.
1907 K, 829 ("hyænodons").
1909 D, 59.
1910 B, 618, fig. 104.
1917 B, 241.
Owen, R. 1860 E, 339.
1868 A, 885.
Palmer, T. S. 1904 A, 323, 809.
Pompeckj, J. F. 1922 A, 51, 81.
Schlosser, M. 1898 B, 365.
1898 J, 517.
1902 J, 232.
1904 B, 459.
1911 A, 150, 166.
Scott, W. B. 1913 A, 562, 564-567, figs. 278-280.
Seeley, H. G. 1878 A, 222.
Sinclair, W. J. 1924 A, 103.
Stromer, E. 1902 A, 239.
1902 B, 554, 561.
1916 A, 403.
1926 A, 110.
Thorpe, M. R. 1922 B, 277, 280, 283.
1923 E, 241.
Tomes, C. S. 1906 A, 45, fig. 18.
Trouessart, E. L. 1904 A, 168.
Wallace, A. R. 1876 A, I, 118, 125, 134.
Weber, M. 1904 A, 381, 539.
Weber and Abel 1928 A, 308, 336, 339, fig. 206.
Winge, H. 1919 A, 59.
1924 A, 181, 219, 242, 246.
Winge and Miller 1921 A, 1.
Woodward, A. S. 1898 D, 331.
Wortman, J. L. 1901 B, xii, 281, 285.
1902 A, xiii, 433.
Zittel and Schlosser 1911 A, 381, fig. 540.
1923 A, 457, 460, 462, 668, figs. 579, 585.

Hyænodon crucians Leidy.

Hay, O. P. 1902 A, 758.
Cook, H. J. 1912 D, 35.
Lambe, L. M. 1908 A, 11, 60, pl. vii, figs. 4-6 (This species?).
Matthew, W. D. 1901 B, 357.
1909 C, 105.
O'Harra, C. C. 1920 A, 150.
Schlosser, M. 1898 J, 517.
Sinclair, W. J. 1924 A, 101, 103, 106.
Thorpe, M. R. 1922 B, 284, 286.
Wortman, J. L. 1902 A, xiii, 446, fig. 91 (Sinopa).
Middle Oligocene (Brule); Colorado, Nebraska.

Hyænodon cruentus Leidy.

Hay, O. P. 1902 A, 758.
Beddard, F. E. 1902 A, 455.
Cook, H. J. 1912 D, 35.
Darton and Siebenthal 1910 A, 11 (Hyracodon).
Lambe, L. M. 1908 A, 11, 59, pl. vii, figs. 1-3.
Matthew, W. D. 1901 B, 357, 380.
1909 C, 105.
1909 D, 464, text-figs. 72, 73.
Merrill, G. P. 1907 A, 41.
O'Harra, C. C. 1910 A, 78, fig. 11.
1920 A, 78, 150, fig. 22.
Schlosser, M. 1898 J, 517.
Sinclair, W. J. 1924 A, 101, 103, 106, fig. 1.
Thorpe, M. R. 1922 B, 283, 286.
Trouessart, E. L. 1904 A, 169.
Woodward, A. S. 1923 C, 25, fig. 7.
Middle Oligocene (Brule); Colorado, Nebraska, Wyoming.

Hyænodon leptocephalus Scott.

Hay, O. P. 1902 A, 759.
Beddard, F. E. 1902 A, 456.
Cook, H. J. 1912 D, 35.
Matthew, W. D. 1909 C, 105.
O'Harra, C. C. 1920 A, 151.
Schlosser, M. 1898 J, 517.
Sinclair, W. J. 1924 A, 104.
Stromer, E. 1926 A, 111.
Thorpe, M. R. 1922 B, 284, 286.
Middle Oligocene (Brule); South Dakota Nebraska?

Hyænodon montanus Douglass.

Douglass, E. 1901 B, 243, 253.
1903 A, 149.
Matthew, W. D. 1909 C, 105.
Thorpe, M. R. 1922 B, 284, 286.
Trouessart, E. L. 1904 A, 169.
Middle Oligocene (White River); Montana.

Hyænodon mustelinus Scott.

Hay, O. P. 1902 A, 759.
Cook, H. J. 1912 D, 35.
Matthew, W. D. 1909 C, 105.
O'Harra, C. C. 1920 A, 151.
Schlosser, M. 1898 J, 517.
Sinclair, W. J. 1924 A, 103.
Thorpe, M. R. 1922 B, 277, 286.
Trouessart, E. L. 1904 A, 169.
Middle Oligocene (Brule); South Dakota, Nebraska?.

Hyænodon paucidens Osborn and Wortman.

Hay, O. P. 1902 A, 759.
Cook, H. J. 1912 D, 35.
Gregory, W. K. 1920 A, 147, fig. 77.
Matthew, W. D. 1909 C, 105.
O'Harra, C. C. 1920 A, 150.
Schlosser, M. 1898 J, 517.
Sinclair, W. J. 1924 A, 103.
Thorpe, M. R. 1922 B, 277, 286.
Middle Oligocene (Brule); South Dakota, Nebraska?.

Hyænodon sp. indet.

Cook, H. J. 1912 D, 33. Oligocene (Chadron); Nebraska.
Matthew, W. D. 1909 C, 103. Oligocene (Lower).
Peterson, O. A. 1906 C, 33, fig. 6 (This genus?).
Wanless, H. R. 1923 A, 220. Oligocene (White River); Nebraska.

NEOHYÆNODON Thorpe. Type *Hyænodon horridus* Leidy.

Thorpe, M. R. 1922 B, 278, 285.

Neohyænodon horridus (Leidy).

Unless otherwise indicated the authors, as cited, use the generic name *Hyænodon*.
Hay, O. P. 1902 A, 758.
Ameghino, F. 1905 C, 442.
Cook, H. J. 1912 D, 35.
Giebel, C. G. 1883 A, pl. 1.
Gregory, W. K. 1920 A, 147, fig. 78.
Matthew, W. D. 1901 B, 357.
1909 C, 105.
Merrill, G. P. 1907 A, 41.
O'Harra, C. C. 1910 A, 77.
1920 A, 150.
Osborn, H. F. 1904 F, 12, 34.
1910 B, 189, fig. 81.
Schlosser, M. 1898 J, 517.
Scott, W. B. 1913 A, 563, fig. 277.
Sinclair, W. J. 1924 A, 101, 103.
Stromer, E. 1902 A, 265.
Thorpe, M. R. 1922 B, 278, 285, figs. 1, 2 (Neohyænodon).
Middle Oligocene (Brule); Colorado, S. Dakota, Nebraska.

HEMIPSALODON Cope. Type *H. grandis* Cope.

Hay, O. P. 1902 A, 759.
Haug, E. 1911 A, 1528.
Lambe, L. M. 1908 A, 61.
Matthew, W. D. 1901 A, 20 (=? Pterodon).
Osborn, H. F. 1910 B, 216, 527.
Palmer, T. S. 1904 A, 318, 809.
Schlosser, M. 1898 J, 522.
Scott, W. B. 1913 A, 565.

Zittel and Schlosser 1911 A, 380 (Syn. of Pterodon).
1923 A, 461 (Syn. of Pterodon).

Hemipsalodon grandis Cope.

Hay, O. P. 1902 A, 759.
Lambe, L. M. 1904 C, 29, 38, 52.
Lambe, L. M. 1905 D, 369 A, 371 A.
1908 A, 11, 61, pl. vii, figs. 7, 8.
1912 A, 12.
Matthew, W. D. 1909 C, 103, 110.
Zittel and Schlosser 1923 A, 462 (Pterodon).
Oligocene (Lower); Canada.

PTERODON Blainville. Type *Pterodon dasyuroides* Blainville.

Blainville, H. M. D. 1839, Ann. Franc. Étrang. Anat. Physiol., III, 23.
Abel, O. 1914 A, 66.
Ameghino, F. 1904 A, 8, 9, 25.
1906 A, 355, fig. 192.
Andrews, C. W. 1906 A, xxii, 219.
Bardenfleth, K. S. 1913 A, 99.
Depéret, C. 1907 A, 455.
Gervais, P. 1859 A, 236.
Hoernes, R. 1886 A, 658.
Leche, W. 1915 A, 350.
Lydekker, R. 1899 B, 925, pl. lxii, fig. 2.
Martin, R. 1906 A, 412, 430.
Matthew, W. D. 1905 B, 72.
1906 C, 205, 216, 217, text-fig. 6.
1908 C, 69.
Matthew, W. D. 1909 D, 464, 469.
1928 B, 971, 974, fig. 13.
Osborn, H. F. 1907 G, 137, figs. 94, 96.
Palmer, T. S. 1904 A, 595, 810.
Schlosser, M. 1887 B, 195.
1904 B, 459.
1910 A, 505.
1911 A.
Scott, W. B. 1913 A, 565, 566, figs. 279, 280.
Seeley, H. G. 1878 A, 222.
Weber and Abel 1928 A, 339.
Zittel and Schlosser 1911 A, 380 (Hemipsalodon a syn.).
This genus is introduced because *Hemipsalodon* may be a synonym of it.

PSEUDOPTERODON Schlosser. Type *P. ganodus* Schlosser.

Schlosser, M. 1887 B, 199, pl. v, figs. 9, 26, 29, 35, 36.
Matthew, W. D. 1903 B, 209.
1909 C, 103, 110.
Palmer, T. S. 1904 A, 592, 810.
Trouessart, E. L. 1904 A, 170.
Zittel and Schlosser 1911 A, 381.
1923 A, 462.

Pseudopterodon? minutus (Douglass).

Douglass, E. 1903 B, 242, 255 (Hyænodon).
1903 A, 149 (Hyænodon).
Matthew, W. D. 1903 B, 208, fig. 6 (This genus?).
1909 C, 103 (This genus?).
Trouessart, E. L. 1904 A, 170 (Pterodon).
Oligocene (Lower); Montana.

Superfamily MIACOIDÆ, Chardin.

Chardin, T. 1915 A, 111, 188.
Abel, O. 1912 D, 600 (Eucreodi).
1913 B, 714, 718 (Eucreodi).
1914 A, 63, 68 (Eucreodi).
1920 A, 421 (Eucreodi).
1922 C, 280 (Eucreodi).
Chardin, T. 1922 A, 87 (Eucreodi).
Gregory, W. K. 1920 A, 238 (Eucreodi).
Matthew, W. D. 1909 D, 327, 330 (Eucreodi).
1915 D, 5 (Eucreodi).
Osborn, H. F. 1910 B, 528 (Eucreodi).
Schlosser, M. 1921 A, 113 (Eucreodi).
Weber and Abel 1928 A, 337, 342 (Eucreodi).
Zittel and Schlosser 1911 A, 382 (Eucreodi).
1923 A, 462 (Eucreodi).

MIACIDÆ Cope.

Cope, E. D. 1880 C, 78.
Hay, O. P. 1902 A, 759 (Uintacyonidæ).
Abel, O. 1912 D, 600 ("miaciden").
1912 F, 501.
1913 B, 714.
1914 A, 63, 69.
1919 A, 738.
1921 A, 141 ("miaciden").
1922 C, 289 ("miaciden").
Arldt, T. 1907 D, 665.
1912 A, 702.
Carlson, A. 1921 A, 71.
1922 A, 30, 88 ("miacidés").
Gidley, J. W. 1915 B, 334.
Gregory, W. K. 1910 A, 308, 459.
1920 A, 148, 238.
Hilzheimer, M. 1913 A, 566.
Huene, F. 1927 D, 146 ("miaciden").
Matthew, W. D. 1909 C, 91, 93, 96, 98, 100.
1909 D, 564 (Miacidæ); 340 (Vulpavidæ a syn.).
1912 B, 184.
1914 B, 387.
1915 A, 217.
1915 D, 16.
1915 K, 445, 474.
1921 D, 212, 214.
1925 E, 751.
1928 B, 962, 971, 973, 980.
Matthew and Granger 1924 A, 6.
1925 D, 5.
Moodie, R. L. 1916 E, 141.
Osborn, H. F. 1909 D, 130.
1910 B, 623.
1925 C, 751.
Pohle, H. 1920 A, 49, 50, 61.
1924 A, 25 ("miaciden").

Scharff, R. F. 1911 A, 149, 151.
Schlosser, M. 1898 B, 361.
1900 B, 303.
1921 A, 113.
Scott, W. B. 1913 A, 685.
Seeley, H. G. 1886 A, 418.
Sokolowsky, A. 1919 A, 239.
Weber, M. 1904 A, 540.
Weber and Abel 1928 A, 328, 337.
Winge, H. 1924 A, 177, 182, 183, 242 (Amphictidæ, Miacididæ).
Zittel and Schlosser 1911 A, 383 (Miacis, Miocyon).
1923 A, 462, 482, 665-668.

VIVERRAVINÆ Matthew.

Matthew, W. D. 1909 D, 340.
Hay, O. P. 1902 A, 754 (Viverravidæ).
Abel, O. 1913 B, 715.
1919 A, 739.
1922 C, 289.
Behlen, H. 1907 A, 274 ("viverraviden").
Lydekker, R. 1904 C, 62 (Viverravidæ).
Matthew, W. D. 1901 A, 1, 7, 8 (Viverravidæ).
1905 D, 40 (Viverravidæ).
1909 D, 330, 339 (Viverravidæ); 345, 348, 351, 352 (Viverravinæ).
1915 D, 16.
Palmer, T. S. 1904 A, 776, 812 (Viverravidæ).
Pohle, H. 1920 A, 60, 61 (Viverravinæ); 61 (Viverravidæ).
1924 A, 25.
Schlosser, M. 1902 A, 140 (Viverravidæ).
1904 B, 449 (Viverravidæ).
Trouessart, E. L. 1904 A, 245 (Viverravidæ).
Weber and Abel 1928 A, 320, 337.
Wortman, J. L. 1901 B, xi, 338, 340; xii, 143, 197 (Viverravidæ).
Zittel and Schlosser 1911 A, 383.
1923 A, 463.

DIDYMICTIS Cope. Type *D. protenus* Cope.

Hay, O. P. 1902 A, 754 (Viverravus, in part).
Abel, O. 1914 A, 62.
Ameghino, F. 1906 A, 284.
Behlen, H. 1907 A, 273.
Chardin, T. 1922 A, 59, 82.
Cope, E. D. 1875 Y, 444, 448.
Gregory, W. K. 1912 C, 189.
1920 A, 239.
Haug, E. 1911 A, 1527.
Matthew, W. D. 1906 C, 216, text-fig. 6.
1907 B, 534.
1909 C, 100.
1909 D, 327, 341, 342, 345, 353, 361, 402, text-fig. 3.
1915 D, 4, 18, 19.
1915 K, 421.
1924 E, 749.
1928 B, 954, 962, 972, 974, figs. 12, 13.
Osborn, H. F. 1907 G, 139, fig. 96.
1909 D, 46.
1910 B, 108, 111, 127, 134, 528.
1912 G, 236, fig. 3.
1919 B, 558.
Palmer, T. S. 1904 A, 230, 812.
Pohle, H. 1920 A, 48, 58, fig. 8.
Schlosser, M. 1898 B, 361.
1901 K, 467.
1916 A, 30.
Scott, W. B. 1913 A, 555, 558.
Seeley, H. G. 1886 A, 418.
Tomes, C. S. 1906 A, 56 (Didymictis).
Weber and Abel 1928 A, 337.
Winge, H. 1924 A, 177, 183, 242.
Wood, H. E. 1927 A, 299.
Zittel and Schlosser 1911 A, 383.
1923 A, 463.

Didymictis altidens Cope.

Hay, O. P. 1902 A, 754 (Viverravus).
Loomis, F. B. 1907 B, 356 (Viverravus).
Matthew, W. D. 1901 A, 8 (Viverravus).
1909 C, 93.
1909 D, 341, 349, 361.
1915 D, 20, 22, figs. 12, 16-19.
Osborn, H. F. 1909 D, 49.
Sinclair and Granger 1911 A, 91 (This species?).
Trouessart, E. L. 1904 A, 246 (Viverravus).
Lower Eocene (Wasatch and Wind River); Wyoming.

Didymictis curtidens Cope.

Hay, O. P. 1902 A, 754 (Viverravus).
Matthew, W. D. 1909 D, 341.
Trouessart, E. L. 1904 A, 246 (Viverravus).
Lower Eocene (Wasatch); Wyoming.

Didymictis haydenianus Cope.

Hay, O. P. 1902 A, 754 (Viverravus).
Gardner, J. H. 1910 A, 729.
Matthew, W. D. 1909 C, 91.
1909 D, 341, 349, 361 (D. haydenianus); 341, 361 (D. primus a syn.).
1914 B, 384.
1915 D, 19, 20, fig. 12.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1900 B, 303.
Trouessart, E. L. 1904 A, 246 (Viverravus).
Paleocene (Torrejon); New Mexico.

Didymictis leptomylus Cope.

Hay, O. P. 1902 A, 755 (Viverravus).
Loomis, F. B. 1907 B, 356 (Viverravus).
Matthew, W. D. 1901 A, 10 (Var. of Viverravus protenus).
1909 C, 93.
1909 D, 341, 349, 361.
1914 B, 384 (This species?).
Reeside, J. B. 1924 A, 46.
Sinclair and Granger 1912 A, 60 (This species?).
Trouessart, E. L. 1904 A, 246 (Viverravus).
Lower Eocene (Wasatch); New Mexico: (Wind River); Wyoming: Paleocene (Fort Union?); Wyoming.

Didymictis protenus Cope.

Hay, O. P. 1902 A, 755 (Viverravus).
Loomis, F. B. 1907 B, 356 (Viverravus).
Matthew, W. D. 1901 A, 9, figs. 1-5 (Viverravus).

Matthew, W. D. 1909 C, 93.
1909 D, 341-362, text-fig. 8.
1915 D, 20, 21, fig. 12.
Merrill, G. P. 1907 A, 34 (Didymictis); 44 (Limnocyon).
Reeside, J. B. 1924 A, 46 (D. pretenus).
Trouessart, E. L. 1904 A, 246 (Viverravus).
Lower Eocene (Wasatch); New Mexico, Wyoming.

Didymictis protenus lysitensis Matthew.

Matthew, W. D. 1915 D, 20, 21, figs. 13-15.
Lower Eocene (Wasatch); Wyoming.

Didymictis sp. indet.

Lull, R. S. 1915 D, 326. Paleocene (Fort Union); Montana.

VIVERRAVUS Marsh. Type *V. gracilis* Marsh.

Hay, O. P. 1902 A, 754.
Abel, O. 1922 C, 289.
Chardin, T. 1915 A, 111.
Gregory, W. K. 1910 A, 309, 311, 437.
Haug, E. 1911 A, 1528.
Lydekker, R. 1904 C, 62.
1910 F, 654.
Matthew, W. D. 1901 A, 8.
1909 C, 100.
1909 D, 323, 327, 342, 345, 353, 356, 358, 359, 388, text-fig. 2.
1915 D, 18, 27.
1921 H, 511.
1928 B, 962, 974, fig. 13.
Matthew and Granger 1924 B, 9, fig. 6.
Osborn, H. F. 1909 D, 46.
1910 B, 127, 134, 528.
1912 G, 236, fig. 3.
Palmer, T. S. 1904 A, 707, 812.
Pohle, H. 1920 A, 56.
Schlosser, M. 1902 A, 135.
1904 B, 449.
Trouessart, E. L. 1904 A, 245.
Weber and Abel 1928 A, 337.
Winge, H. 1924 A, 177, 183, 242.
Wortman, J. L. 1901 B, XII, 144.
1902 A, XIII, 46.
Zittel and Schlosser 1911 A, 383.
1923 A, 463, 667.

Viverravus acutus Matthew.

Matthew, W. D. 1915 D, 27, figs. 21, 22.
Lower Eocene (Wasatch); Wyoming.

Viverravus dawkinsianus (Cope).

Cope, E. D. 1881 D, 191 (Didymictis).
Hay, O. P. 1902 A, 754 (V. gracilis, in part).
Matthew, W. D. 1909 C, 93.
1909 D, 341, 349, 361.
1915 D, 28, fig. 20.
Osborn, H. F. 1909 D, 49.
Trouessart, E. L. 1904 A, 245 (Syn. of V. gracilis).
Lower Eocene (Wasatch and Wind River); Wyoming: (Huerfano); Colorado.

Viverravus gracilis Marsh.

Hay, O. P. 1902 A, 754 (V. gracilis); 761 (Harpalodon vulpinus).
Matthew, W. D. 1909 C, 96.
1909 D, 340, 341, 342, 349, 357 (V. gracilis); 342 (Harpalodon vulpinus).
Thorpe, M. R. 1923 A, 24 (V. gracilis, V. vulpinus).
Trouessart, E. L. 1904 A, 245.
Wortman, J. L. 1901 B, XII, 145, figs. 18-20; 200, 201, 283, 285 (Ziphacodon rugatus, Triacodon fallax, Harpalodon sylvestris, H. vulpinus as syns.).
Middle Eocene (Bridger); Wyoming.

Viverravus minutus Wortman.

Wortman, J. L. 1901 B, XII, 147, fig. 21.
Chardin, T. 1915 A, 113.
Gregory, W. K. 1920 A, 151.
Matthew, W. D. 1909 C, 96.
1909 D, 341, 349, 357, pl. xliii, fig. 1; text-figs. 9-12.
Schlosser, M. 1904 B, 449.
Thorpe, M. R. 1923 A, 25.
Trouessart, E. L. 1904 A, 245.
Zittel and Schlosser 1923 A, 463, fig. 586.
Middle Eocene (Bridger); Wyoming.

Viverravus nitidus Marsh.

Hay, O. P. 1902 A, 755.
Matthew, W. D. 1909 D, 341, 342.
Thorpe, M. R. 1923 A, 25 (This genus?).
Trouessart, E. L. 1904 A, 246.
Middle Eocene (Bridger); Wyoming.

Viverravus politus Matthew.

Matthew, W. D. 1915 D, 28, figs. 20, 23.
Lower Eocene (Wasatch); Wyoming.

Viverravus sicarius Matthew.

Matthew, W. D. 1909 D, 341, 347, 349, 360, text-figs. 8, 13, 14.
Thorpe, M. R. 1923 A, 25.
Middle Eocene (Bridger); Wyoming.

Viverravus sp. indet.

Matthew, W. D. 1909 C, 96. Middle Eocene (Bridger); Wyoming.

MIACINÆ Matthew.

Matthew, W. D. 1909 D, 345, 351.
Abel, O. 1913 B, 714.
1919 A, 739.
1920 A, 422.
1922 C, 289.
Matthew, W. D. 1915 D, 16.
Pohle, H. 1920 A, 61.
1924 A, 25, 29.
Weber and Abel 1928 A, 338.
Zittel and Schlosser 1911 A, 383.
1923 A, 463.

UINTACYON Leidy. Type *U. edax* Leidy.

Hay, O. P. 1902 A, 759.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1901 A, 7.
1902 C, 286 (Uintacyon, Prodaphænus).
1909 C, 93, 100.
1909 D, 327, 342, 344, 346, 353, 372, 402.
1915 D, 18, 29.
1928 B, 962.
Osborn, H. F. 1905 I, 101.
1910 B, 127, 528.
Palmer, T. S. 1904 A, 699, 812.
Pohle, H. 1920 A, 61.
Schlosser, M. 1902 A, 134, 138.
1904 B, 448 (Uintacyon, Prodaphænus).
Scott, W. B. 1913 A, 555, 558.
Trouessart, E. L. 1904 A, 216.
Wallace, A. R. 1876 A, I, 134.
Weber, M. 1904 A, 540, 541.
Winge, H. 1924 A, 177, 183, 242.
Wortman, J. L. 1901 A, 202.
1901 B, XI, 339, 445 (Uintacyon); 448, 449 (Prodaphænus).
1902 A, XIII, 46 (Uintacyon, Prodaphænus).
Zittel and Schlosser 1911 A, 383.
1923 A, 463.

Uintacyon acutus Thorpe.

Thorpe, M. R. 1923 B, 222, fig. 4.
Upper Eocene (Uinta); Utah.

Uintacyon bathygnathus (Scott).

Hay, O. P. 1902 A, 760.
Matthew, W. D. 1909 C, 96.
1909 D, 341, 349, 373 [U. (Miocyon)].
Schlosser, M. 1904 B, 449 (Miacis).
Trouessart, E. L. 1904 A, 216 (Syn. of U. vorax).
Middle Eocene (Bridger); Wyoming.

Uintacyon edax Leidy.

Hay, O. P. 1902 A, 760.
Matthew, W. D. 1909 C, 96.
1909 D, 341, 342, 349, 374.
Schlosser, M. 1904 B, 448.
Thorpe, M. R. 1923 A, 27.
Trouessart, E. L. 1904 A, 216.
Wortman, J. L. 1901 B, XI, 445, 459, figs. 12-15.
Middle Eocene (Bridger); Wyoming.

Uintacyon jugulans Matthew.

Matthew, W. D. 1909 D, 341, 349, 373, text-fig. 16.
Thorpe, M. R. 1923 A, 27.
Zittel and Schlosser 1911 A, 383.
1923 A, 463, fig. 587.
Middle Eocene (Bridger); Wyoming.

Uintacyon major Matthew.

Matthew, W. D. 1909 D, 341, 349, 375, 376, text-fig. 17.
Thorpe, M. R. 1923 A, 27, 28.
Middle Eocene (Bridger); Wyoming.

Uintacyon massetericus (Cope).

Hay, O. P. 1902 A, 755 (Viverravus).
Matthew, W. D. 1909 C, 93.
1909 D, 341, 361 (Didymictis); 349 (Uintacyon).
1915 D, 30, figs. 24, 25 (Didymictis).
Lower Eocene (Wasatch); Wyoming.

Uintacyon massetericus rudis Matthew.

Matthew, W. D. 1915 D, 31, fig. 26.
Lower Eocene (Wasatch); Wyoming.

Uintacyon scotti (Wortman and Matthew).

Hay, O. P. 1902 A, 760 (Prodaphænus).
Hatcher, J. B. 1902 F, 77, fig. 4 (Prodaphænus).
Matthew, W. D. 1909 C, 98.
1909 D, 341, 343.
Schlosser, M. 1902 A, 135 (Prodaphænus).
1902 J, 153 (Prodaphænus).
Thorpe, M. R. 1923 A, 28.
Trouessart, E. L. 1904 A, 217 (Prodaphænus).
Wortman, J. L. 1901 A, 202 (Prodaphænus).
1901 B, XI, 450, fig. 17 (Prodaphænus).
Upper Eocene (Uinta); Wyoming.

Uintacyon vorax Leidy.

Hay, O. P. 1902 A, 760.
Matthew, W. D. 1909 C, 96.
1909 D, 341, 342, 349, 374, pl. xlvii, fig. 2.
1915 D, 32 (This species?).
Schlosser, M. 1904 B, 449.
Thorpe, M. R. 1923 A, 27.
Trouessart, E. L. 1904 A, 216.
Wortman, J. L. 1901 B, XI, 448, fig. 16.
Middle Eocene (Bridger); Wyoming.

Uintacyon sp. indet.

Matthew, W. D. 1909 C, 96. Middle Eocene (Bridger); Wyoming.

MIACIS Cope. Type *M. parvivorus* Cope.

Cope, E. D. 1872 PP, 2.
Hay, O. P. 1902 A, 760 (Prodaphænus); 761 (Vulpavus, in part; Harpalodon).
Adloff, P. 1903 A, 362, fig. 4.
Ameghino, F. 1902 D, 423 (Myacis).
Behlen, H. 1907 A, 273.
Chardin, T. 1915 A, 111.
Granger, W. 1909 A, 22.
Gregory, W. K. 1920 A, 239.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 393.
Lavocat, A. 1896 A, 26.
Lemoine, V. 1889 A, 237.
Matthew, W. D. 1909 C, 100.
1909 D, 564 (Miacis); 343, 362 (Neovulpavus, a syn.); 341, 349 (Miocyon, subg.); 346 (Lycarion, subg.); 342, 346, 353, 362 (Harpalodon, subg.); 327, 341, 343, 353, 362 (Prodaphænus).
1915 D, 18, 32, fig. 27.
1921 H, 511.
1924 C, 122, 128, 748 (Miacis, Prodaphænus).
1928 B, 962, 972, 974, figs. 12, 13.

Osborn, H. F. 1905 I, 101 (Prodaphænus).
1907 G, 50, figs. 38, 43.
1909 D, 46.
1910 B, 127, 134, 170, 528.
1912 G, 236, fig. 3.
Palmer, T. S. 1904 A, 420, 812 (Miacis); 311, 812 (Harpalodon); 568, 812 (Prodaphænus).
Pohle, H. 1920 A, 48.
1924 A, 27.
Scott, W. B. 1913 A, 555, 558.
Seeley, H. G. 1886 A, 418.
Weber and Abel 1928 A, 337, 340.
Winge, H. 1924 A, 177, 183, 242.
Zittel and Schlosser 1911 A, 383.
1923 A, 463, 667 (Miacis; Myocyon syn. of Uintacyon).

Miacis exiguus Matthew.

Matthew, W. D. 1915 D, 33, figs. 27-29.
Lower Eocene (Wasatch); Wyoming.

Miacis hargeri (Wortman).

Wortman, J. L. 1901 B, xi, 342, 347, figs. 2-11 (Vulpavus).
Ameghino, F. 1906 B, 14 (Vulpavus).
Matthew, W. D. 1909 C, 96.
1909 D, 341, 343, 349, 364, 369, text-fig. 15 [M. (Lycarion)].
Schlosser, M. 1904 B, 447 (Vulpavus).
Thorpe, M. R. 1923 A, 26 [M. (Lycarion)].
Trouessart, E. L. 1904 A, 216 (Vulpavus).
Middle Eocene (Bridger); Wyoming.

Miacis latidens Matthew.

Matthew, W. D. 1915 D, 34, figs. 27, 30.
Lower Eocene (Wind River); Wyoming.

Miacis medius Matthew.

Matthew, W. D. 1909 D, 341, 349, 364, 370, text-fig. 15 [M. (Lycarion)].
1924 C, 128.
Middle Eocene (Lower Washakie); Wyoming.

Miacis parvivorus Cope.

Cope, E. D. 1872 PP, 2.
Hay, O. P. 1902 A, 761 (Vulpavus).
Matthew, W. D. 1909 C, 96.
1909 D, 365, 572, fig. 15.
Matthew and Granger 1925 D, 5.
Schlosser, M. 1902 A, 136 (Vulpavus).
Thorpe, M. R. 1923 A, 26.
Trouessart, E. L. 1904 A, 216 (Vulpavus).
Wortman, J. L. 1901 B, xi, 444 (Vulpavus).
Lower Eocene (Bridger); Wyoming.

Miacis robustus Peterson.

Peterson, O. A. 1919 A, 50, pl. xxxiv, figs. 3-5 (Prodaphænus?).
Upper Eocene (Uinta); Utah.

Miacis sylvestris (Marsh).

Hay, O. P. 1902 A, 761 (Harpalodon).
Matthew, W. D. 1909 C, 96.
1909 D, 341, 349, 364, 370, text-fig. 15.
1924 C, 128.
Thorpe, M. R. 1923 A, 26 [M. (Harpalodon)].
Wortman, J. L. 1901 B, xii, 201, fig. 38 (Harpalodon).
Middle Eocene (Bridger); Wyoming.

Miacis uintensis Osborn.

Hay, O. P. 1902 A, 760 (Prodaphænus).
Matthew, W. D. 1909 C, 98.
1909 D, 341, 371.
Thorpe, M. R. 1923 B, 220.
Upper Eocene (Uinta); Utah.

Miacis vulpinus (Scott and Osborn).

Hay, O. P. 1902 A, 760 (Uintacyon).
Matthew, W. D. 1909 C, 986.
1909 D, 349, 372 (Miacis); 241, 372 (Amphicyon).
Peterson, O. A. 1919 A, 48.
Upper Eocene (Uinta); Utah.

Miacis washakius (Wortman).

Wortman, J. L. 1901 B, xi, 445 (Neovulpavus).
Matthew, W. D. 1909 C, 96 (Miacis).
1909 D, 341, 343, 370 (Neovulpavus); 341, 343, 349, 364, 370, text-fig. 15 (Miacis).
Trouessart, E. L. 1904 A, 216 (Neovulpavus).
Wortman and Matthew 1899 A, 110, figs. 4-6 (Vulpavus palustris; not of Marsh).
Eocene (Washakie); Wyoming.

Miacis sp. indet.

Matthew, W. D. 1909 C, 93, 96. Eocene (Wasatch, Wind River, Bridger); Wyoming.
1909 D, 349.

Mimocyon Peterson. Type *M. longipes* Peterson.

Peterson, O. A. 1919 A, 48.
Matthew and Granger 1925 D, 5 (Miacis).

Mimocyon longipes Peterson.

Peterson, O. A. 1919 A, 48, pl. xxxiv, figs. 6-10.
Matthew and Granger 1925 D, 5 (Miacis).
Upper Eocene (Uinta); Utah.

Vassacyon Matthew. Type *Uintacyon promicrodon* (Wortman and Matthew).

Matthew, W. D. 1909 C, 93, 100.
Gregory, W. K. 1920 A, 239.
Matthew, W. D. 1909 D, 327, 341, 343, 346, 347, 376.
1915 D, 17, 18, 39, fig. 40.
1928 B, 962.
Pohle, H. 1920 A, 61.
Winge, H. 1924 A, 177, 183, 242.
Zittel and Schlosser 1911 A, 383.
1923 A, 463.

Vassacyon promicrodon (Wortman and Matthew).

Hay, O. P. 1902 A, 760 (Uintacyon).
Matthew, W. D. 1909 C, 93.
1909 D, 341, 346, 347, 349, 373, 376, pl. xliii, fig. 4; text-fig. 8.
1915 D, 41, figs. 34-39.
Trouessart, E. L. 1904 A, 217 (Prodaphænus).
Lower Eocene (Wasatch); Wyoming.

Oödectes Wortman. Type *O. herpestoides* Wortman.

Wortman, J. L. 1901 B, xii, 148.
Chardin, T. 1915 A, 113.
Haug, E. 1911 A, 1528.
Lydekker, R. 1904 C, 62.
Matthew, W. D. 1909 C, 100.
1909 D, 573.
1915 D, 18.
Osborn, H. F. 1909 D, 46, 52.
1910 B, 131, 134, 528.
Palmer, T. S. 1904 A, 476, 840.
Peterson, O. A. 1919 A, 54.
Pohle, H. 1920 A, 61.
Schlosser, M. 1910 A, 506.
Scott, W. B. 1913 A, 558.
Winge, H. 1924 A, 177, 183, 242.
Wortman, J. L. 1902 A, xiii, 46.
Zittel and Schlosser 1911 A, 384.
1923 A, 464, 667.

Oödectes herpestoides Wortman.

Wortman, J. L. 1901 B, xii, 148, 193, figs. 22-35.
Matthew, W. D. 1909 C, 96.
1909 D, 341, 349, 377.
Schlosser, M. 1904 B, 451.
Thorpe, M. R. 1923 A, 28.
Trouessart, E. L. 1904 A, 246.
Middle Eocene (Bridger); Wyoming.

Oödectes proximus Matthew.

Matthew, W. D. 1909 D, 341, 347, 349, 378, text-figs. 8, 18-22.
Middle Eocene (Bridger); Wyoming.

Oödectes pugnax (Wortman and Matthew).

Hay, O. P. 1902 A, 760 (Uintacyon).
Matthew, W. D. 1909 C, 96 (This genus?).
1909 D, 341, 349, 377.
Schlosser, M. 1904 B, 449 (Uintacyon).
Trouessart, E. L. 1904 A, 216 (Uintacyon).
Wortman, J. L. 1901 B, xi, 448 (Uintacyon).
Middle Eocene (Bridger); Wyoming.

Oödectes sp. indet.

Matthew, W. D. 1909 C, 93, 96. Eocene (Wind River, Bridger); Wyoming.
1909 D, 349.

Pleurocyon Peterson. Type *P. magnus* Peterson.

Peterson, O. A. 1919 A, 52.

Pleurocyon magnus Peterson.

Peterson, O. A. 1919 A, 52, pl. xxxv.
Upper Eocene (Uinta); Utah.

Pleurocyon medius Peterson.

Peterson, O. A. 1919 A, 59.
Upper Eocene (Uinta); Utah.

Vulpavus Marsh. Type *V. palustris* Marsh.

Hay, O. P. 1902 A, 761.
Ameghino, F. 1906 B, 14.
Chardin, T. 1922 A, 56 (Vulpavus, Phlaodectes).
Gregory, W. K. 1920 A, 149, 239, fig. 79.
Haug, E. 1911 A, 1528.
Kraglievich, L. 1925 A, 191.
Lydekker, R. 1904 C, 62, fig. 3.
Matthew, W. D. 1901 A, 7.
1909 C, 100.
1909 D, 318, 323, 324, 325, 340, 346, 347, 379, 382, 385, 390, 394, 399, 402, text-figs. 2-4.
1915 D, 18, 36.
1924 E, 748.
1928 B, 962, 974, fig. 13.
Osborn, H. F. 1905 I, 101.
1907 G, 89.
1909 D, 46, 52.
1910 B, 127, 134, 528.
1912 G, 236, fig. 3.
Peterson, O. A. 1919 A, 54.
Pohle, H. 1920 A, 58, fig. 8.
1924 A, 29.
Schlosser, M. 1902 A, 134.
1904 B, 447, 449.
Scott, W. B. 1913 A, 555, 558.
Trouessart, E. L. 1904 A, 215.
Weber, M. 1904 A, 540, 541.
Weber and Abel 1928 A, 336, 338.
Winge, H. 1924 A, 177, 183, 242.
Wortman, J. L. 1901 B, xi, 339, 341, 437, 442.
1902 A, xiii, 46.
Zittel and Schlosser 1911 A, 384.
1923 A, 464, 667.

Vulpavus australis Matthew.

Matthew, W. D. 1915 D, 39, figs. 31, 33.
Lower Eocene (Wasatch); New Mexico.

Vulpavus canavus (Cope).

Hay, O. P. 1902 A, 760 (Uintacyon canavus, U. brevirostris).
Matthew, W. D. 1909 C, 93 (V. canavus, V. brevirostris).
1909 D, 341, 349 (Miacis canavus, M. brevirostris).
1915 D, 37, figs. 31, 32 (Miacis brevirostris a syn.).
Trouessart, E. L. 1904 A, 216 (Uintacyon brevirostris); 217 (Prodaphænus).
Wortman, J. L. 1901 B, xi, 448 (Uintacyon brevirostris); 450 (Prodaphænus canavus).
Lower Eocene (Wind River, Big Horn); Wyoming.

Vulpavus completus Matthew.

Matthew, W. D. 1909 D, 341, 349, 398.
Middle Eocene (Bridger); Wyoming.

Vulpavus ovatus Matthew.

Matthew, W. D. 1909 D, 341, 349, 391, pl. xliii, fig. 3; text-figs. 32-41 [V. (Phlaodectes)].
Middle Eocene (Bridger); Wyoming.

Vulpavus palustris Marsh.

Hay, O. P. 1902 A, 761.
Matthew, W. D. 1909 C, 96.
1909 D, 340, 341, 349, 370, 380.
Schlosser, M. 1902 A, 135.
1904 B, 447.
Thorpe, M. R. 1923 A, 28.
Trouessart, E. L. 1904 A, 215.
Wortman, J. L. 1901 B, xi, 341, fig. 1.
Wortman and Matthew 1899 A, 118 (Not of Marsh).
Middle Eocene (Bridger); Wyoming.

Vulpavus profectus Matthew.

Matthew, W. D. 1909 D, 341, 347, 349, 382, pl. xliii, fig. 2; pl. xlvii, fig. 2; text-figs. 23-31.
Abel, O. 1913 B, 715, fig. 19.
1920 A, 422, fig. 638.
1922 C, 289, fig. 243.
Lydekker, R. 1910 F, 654, fig. 1.
Peterson, O. A. 1919 A, 58.
Pohle, H. 1920 A, 55, 59, fig. 6.
1924 A, 30.
Weber and Abel 1928 A, 338, fig. 205.
Middle Eocene (Bridger); Wyoming.

Vulpavus sp. indet.

Matthew, W. D. 1909 C, 93, 96. Lower Eocene (Wasatch); New Mexico.
1909 D, 349. Middle Eocene (Bridger); Wyoming.
Reeside, J. B. 1924 A, 46. Lower Eocene (Wasatch); New Mexico.

PALÆARCTONYX Matthew. Type *M. meadi* Matthew.

Matthew, W. D. 1909 D, 327, 341, 343, 344, 346, 348, 353, 399, 402.
Chardin, T. 1922 A, 56.
Matthew, W. D. 1915 D, 18.
1928 B, 975.
Pohle, H. 1920 A, 59.
Zittel and Schlosser 1911 A, 384.
1923 A, 464.

Palæarctonyx meadi Matthew.

Matthew, W. D. 1909 D, 346, 349, 402, text-figs. 42-46.
Middle Miocene (Bridger); Wyoming.

ZIPHACODON Marsh. Type *Z. rugatus* Marsh.

Hay, O. P. 1902 A, 761.
Matthew, W. D. 1909 D, 342.
Palmer, T. S. 1904 A, 715, 812.
Trouessart, E. L. 1904 A, 171 (Syn. of Viverravus).
The position of this genus is at present indeterminable.

Ziphacodon rugatus Marsh.

Hay, O. P. 1902 A, 761.
Matthew, W. D. 1909 D, 341, 342.
Thorpe, M. R. 1923 A, 39.
Trouessart, E. L. 1904 A, 245 (Syn. of Viverravus gracilis).
Wortman, J. L. 1901 B, xii, 200, fig. 37 (Syn. of Viverravus gracilis).
Middle Eocene (Bridger); Wyoming.

CREOTARSIDÆ, new family.

The position of this family is not determined.

CREOTARSUS Matthew. Type *C. lepidus* Matthew.

Matthew, W. D. 1918 H, 611.

Creotarsus lepidus Matthew.

Matthew, W. D. 1918 H, 613, figs. 35, 36.
Lower Eocene (Grey Bull); Wyoming.

Suborder FISSIPEDA Fischer de Waldheim.

Fischer de Waldheim, G. 1813, Geognosia, ii, 454.
Unless otherwise indicated the authors, as cited, spell this name Fissipedia.
Hay, O. P. 1902 A, 762.
Abel, O. 1904 A, 183 ("fissipedier").
1912 D, 599 ("fissipedier").
1912 F, 174 ("fissipedier").
1913 B, 712, 715, 718.
1913 C, 199.
1914 A, 70.
1920 A, 421 ("fissipedier").
1921 A, 141.
Arldt, T. 1907 D, 654.
Beddard, F. E. 1902 A, 387.
Bonaparte, C. L. 1832 A, 292 (Fissipedes).
Case, E. C. 1899 B, 180 (Fissipeda).
Cope, E. D. 1891 N, 75, 90.
Cuvier, G. 1825 A, iv, 227-483, pls. xiii-xxxviii ("carnassiers").
Doran, A. H. G. 1878 A, 390.
Fischer, J. B. 1829 A, 141 (Feræ).
Gaupp, E. 1913 A, 125 ("fissipedier").
Gregory, W. K. 1910 A, 309, 465 (Crassidentia= Fissipedia+Miacidæ).
1920 A, 148, 238.
Hay, O. P. 1912 D, 769.
1914 A, 474.
Hilzheimer, M. 1913 A, 566.
Hogben, L. T. 1919 A, 74.
Kampfen, P. N. 1905 A, 539.
Lull, R. S. 1917 B, 562.

Matthew, W. D. 1905 D, 36.
1907 B, 535.
1909 C, 99, 103, 105, 106, 107-110.
1909 D, 317, 354, 355, 411, 551.
1912 B, 184.
1915 A, 217.
1915 D, 4 (Feræ).
Osborn, H. F. 1907 G, 12, 131, 142.
1909 D, 33.
1925 C, 751.
Owen, R. 1857 E (Digitigrada, Plantigrada).
1858 A, 31 (Digitigrades, Plantigrades).
Pohle, H. 1920 A, 57.
Reynolds, S. H. 1897 A, 368.
Schlosser, M. 1897 B, 19.
1904 B, 447 (Carnassidentata).
Schwarz, E. 1912 B, 4 (Carnivora vera).
Scott, W. B. 1913 A, 681.
1917 A, 32.
Steinmann, G. 1907 A, 470.
Stromer, E. 1916 A, 404.
Terra, P. 1911 A, 280.
Trouessart, E. L. 1904 A, 177 (Carnivora).
Weber, M. 1886 A, 231.
1904 A, 515.
Weber and Abel 1928 A, 301, 335.
Weber and Burlet 1927 A, xv.
Winge, H. 1924 A, 177 (Carnivora vera).
Woodward, A. S. 1923 C, 21 (Carnivora vera).
Wortman, J. L. 1901 B, xi, 337, 338; xii, 281 (Carnassidentia).
1902 A, xiv, 144 (Carnassidentia).
Zittel and Schlosser 1911 A, 384.
1923 A, 464, 482.

Superfamily URSOIDÆ, new form.

Unless otherwise indicated, the authors, as cited, employ for this superfamily the name Arctoidea.
Hay, O. P. 1902 A, 762 (Arctoidea); 769 (Cynoidea).
Abel, O. 1912 F, 500.
1913 B, 716.
1913 C, 199.
1914 A, 63, 70.
1919 A, 743.
1920 A, 422.
1922 C, 289.
Anderson, R. J. 1902 B, 368 ("arctoids").
Beddard, F. E. 1902 A, 424.
Brown, A. E. 1904 B, 90.
Gill, T. 1872 B, 58.
Gregory, W. K. 1910 A, 100.
1920 A, 239.
Hilzheimer, M. 1913 A, 566.
Jaekel, O. 1911 A, 229 (Urso-Canidi).
Kükenthal, W. 1913 A, 501.
Lockington, W. N. 1884 A, 431.
Matthew, W. D. 1909 C, 316, 330 (Arctoidea); 345 (Cynoidei).
1915 K, 445.
Moodie, R. L. 1922 C, 359 (Cynoidea).
Osborn, H. F. 1910 B, 528.
Pohle, H. 1920 A, 57.
Puccioni, N. 1908 A, 41 (Cynoidea).
Rehs, J. 1914 A, 56.
Reynolds, S. H. 1897 A, 369, 437, 438 (Cynoidea, Arctoidea).
Schwarz, E. 1912 B, 3 (Arctoidea, Cynoidea).
Scott, W. B. 1896 D, 54 (Cynoidea, Arctoidea).
Stromer, E. 1902 A, 230.
Weber, M. 1904 A, 528, 533.
Weber and Abel 1928 A, 318, 324, 329, 342 (Arctoidea).
Weber and Burlet 1927 A, xv (Arctoidea).
Winge, H. 1896 A, 126 (Arctoidei).
1924 A, 177, 192, 197 (Arctoidea).

CANIDÆ Gray.

Gray, J. E. 1821 A, 301.
Hay, O. P. 1902 A, 769.
Abel, O. 1912 F, 501.
1913 B, 717.
1914 A, 78.
1919 A, 747.
Ameghino, F. 1889 A, 1007.
1902 D, 423 ("canidés").
1905 A, 8.
1906 B, 9.
1912 B, 177 ("canidés").
Anderson, R. J. 1901 A, 682.
Anthony, R. 1912 A.
Arldt, T. 1907 B, 449 ("caniden").
1907 D, 643.
1912 A, 702.
Baird, S. F. 1876 A, ccviii ("dogs").
Bardenfleth, K. S. 1913 A, 86.
Bateson, W. 1892 A, 105.
Bayer, F. 1897 A, 147.
Beddard, F. E. 1902 A, 413.
Behlen, H. 1907 A ("caniden").
Birula, A. A. 1913 A, 240.
Black, D. 1915 A, 353.
Bluntschli, H. 1912 B, 362 ("caniden").
Boas, J. E. V. 1909 A, 529 ("caniden").
1914 B, 579 ("caniden").
Bonaparte, C. L. 1832 A, 287 (Canina).
Brandt and Woldrich 1887 A, 38 (Canina).
Carlsson, A. 1914 A, 228.
Carus, V. 1875 A, 123 (Canida).
Case, E. C. 1899 B, 180.
Chandler, A. C. 1914 B, 134.
Cleland, J. 1863 B, 297 ("dogs").
Cope, E. D. 1891 N, 76 ("dogs").
Cuvier, F. 1807 A, 126 ("chiens").
1825 A, 95 ("chiens").
Depéret, C. 1906 A, 618 ("canidés").
1907 B ("canidés").
1908 A, 307.
1912 A, 708 ("canidés").
Doran, A. H. G. 1878 A, 394, 406.
Dubois, E. 1922 A, 320 ("caniden").
Eaton, J. E. 1928 A, 133 ("wolves").
Elliot, D. G. 1901 A, 299.
Filhol, H. 1889 A, 222 ("canidés").
Frassetto, F. 1903 A, 220, 234.
Geoffroy St.-Hilaire, E. F. 1824 H, 263 ("chiens").
Gervais, P. 1859 A, 211 ("canidés").

Ghigi, A. 1900 B, 99 ("cani").
Gidley, J. W. 1913 B, 99, figs. 4-8 ("canids").
Giebel, C. G. 1883 A ("caninen").
Grant, M. 1904 B, 194, 205.
Gregory, W. K. 1914 E, 526.
1927 A, 601 ("dogs").
Grevé, C. 1891 A, 400 ("caniden").
Hay, O. P. 1912 D, 776.
1914 A, 483.
1923 A, 312.
1927 E, 77 ("dogs").
Hilzheimer, M. 1905 A ("caniden").
Hoernes, R. 1886 A, 694.
Hoever, R. 1911 A, 81 ("caniden").
Hrdlička, A. 1903 A, 372.
Huxley, T. H. 1880 C, 4.
1880 D, 404.
1880 F, 162.
Ihering, H. 1909 A, 285 ("hunde").
1910 A, 136.
Jaeger, G. F. 1842 A, 435 ("hunde").
Kampfen, P. N. 1905 A, 520.
Köstlin, O. 1844 A ("hunde").
Koken, E. 1901 B, 220 ("caniden").
Laloy, L. 1907 A, 587 ("canidés").
Leche, W. 1897 A.
Leunis and Ludwig 1883 A, 187.
Lobley, J. L. 1908 A, 194, 200, 204.
Lockington, W. N. 1884 A, 408 (Cynoidea, Canidæ).
Lönnberg, E. 1916 A, 3.
Lull, R. S. 1904 C, 3.
1917 B, 563.
Lydekker, R. 1903 D, 124.
1910 E, 352 ("wolves").
Martins, C. 1857 A, 68 ("chiens").
Matthew, W. D. 1901 A, 7, 18.
1902 C, 284.
1903 D, 912.
1905 D, 39.
1907 A, 179, 180, 187, 199.
1909 C, 123.
1909 D, 330, 353, 354.
1910 G, 158.
1912 B, 185.
1913 B, 291.
1914 G, 234, fig. 9.
1915 A, 187, 217, 218, 219.
1915 K, 445, fig. 17.
1918 A, 189, 194.
1924 C, 118, 121, 122, fig. 28.
1924 E, 745.
1928 B, 973, 974, fig. 13.
Matthew and Granger 1924 A, 6.
Mead, C. S. 1906 A, 481.
Meckel, J. F. 1825 A ("hunde").
Merriam, J. C. 1903 B, 277.
1906 A, 36, 64.
Miller, G. S. 1912 B, 77.
1924 C, 143.
Moodie, R. L. 1916 E, 141.
Nehring, A. 1890 A, 34 ("caniden").
Neuville, H. 1915 A, 7 ("canidés").
Noack, T. 1907 A, 660 ("hunde").
1910 A, 457 ("füchse, wölfe").
O'Harra, C. C. 1910 A, 78.
O'Harra, C. C. 1920 A, 78.
Osborn, H. F. 1902 A, 87 ("dogs").
1905 H, 218.
1905 I, 101.
1909 D, 123.
1910 B, 609.
Owen, R. 1868 A, 869.
Pictet, F. J. 1853 A, 202, pl. iii, fig. 12 ("chiens").
Pocock, R. I. 1914 B, 913.
1916 F, 262.
Pohl, L. 1909 A, 382 ("caniden").
Puccioni, N. 1908 A, 49 ("cani").
Rehs, J. 1914 A, 56.
Reynolds, S. H. 1897 A, 539 (Canidæ, "dog").
1909 A, 1, pls. i-vi.
1910 A, 507.
Scharff, R. F. 1911 A, 149.
Schlegel, R. 1912 A, 1-29 ("caniden").
Schlosser, M. 1897 B, 18 ("caniden").
1902 A, 134.
1902 B, 297.
1902 J, 257.
1903 I, 26, 219 ("caniden").
1904 B, 447 ("caniden").
Schmidt, O. 1886 A, 259.
Schwarz, E. 1924 A, 420 ("dogs").
Sclater, P. L. 1875 A, 207.
Scott, W. B. 1896 D, 54 ("dogs").
1913 A, 517, 518, 520, 527, 677.
1917 A, 32.
Seeley, H. G. 1886 A, 516.
Seton, E. T. 1909 A, 700.
Strecker, C. 1887 A, 317 ("canisarten").
Stromer, E. 1902 B, 554 ("caniden").
1906 A, 216.
Studer, T. 1901 A ("hunderassen").
1906 A, 23.
Taets, W. 1913 A, 5-178 ("hunde").
Taschenberg, O. 1899 A, 4492.
Terra, P. 1911 A, 284.
Tims, H. W. M. 1901 A, 282.
1902 A, 336.
1905 B, 1786.
Tornier, G. 1888 A, 255 ("caniden").
1891 A, 122 ("caniden").
1894 B, 104 ("caniden").
Trouessart, E. L. 1904 A, 215.
Vicq-d'Azyr, F. 1792 A, cvi (Canini).
Virchow, H. 1917 B, 323 ("caniden").
Wagner, R. 1843 A ("hunde").
Wallace, A. R. 1876 A, I, 118, 125, 134, 267; II, 197.
1894 A, 435.
Weber, M. 1904 A, 533.
Weber and Abel 1928 A, 307, 318, 324.
Wiegmann, F. R. 1838 B, 261, 286 ("hunde").
Williston, S. W. 1910 G, 596 ("dogs").
Windle, B. C. A. 1890 A, 5.
Winge, H. 1924 A, 177, 192, 197 (Canini).
Woodward, A. S. 1898 D, 336.
Wortman, J. L. 1901 A, 201.
1901 B, XI, 338, 343.
Zittel and Schlosser 1911 A, 386.
1923 A, 466, 482.

CYNODICTINÆ Schlosser.

Schlosser, M. 1911, in Zittel and Schlosser 1911 A, 386 (Cynodictinæ); 389 (Cynodontinæ).
Weber and Abel 1928 A, 328.
Zittel and Schlosser 1923 A, 466, 670 (Cynodictinæ); 469 (Cynodontinæ).

PROCYNODICTIS Wortman and Matthew. Type *P. vulpičeps* Wortman and Matthew.

Hay, O. P. 1902 A, 760.
Matthew, W. D. 1909 D, 343.
Osborn, H. F. 1910 B, 169, 170, 528.
Palmer, T. S. 1904 A, 568, 812.
Scott, W. B. 1913 A, 529, 530.
Trouessart, E. L. 1904 A, 217.
Wortman, J. L. 1901 B, xi, 443, 450.
Zittel and Schlosser 1911 A, 386.
1923 A, 466, 689.

Procynodictis vulpiceps Wortman and Matthew.

Hay, O. P. 1902 A, 760.
Matthew, W. D. 1903 B, 210.
1909 C, 99.
1909 D, 341.
Schlosser, M. 1902 A, 136.
Thorpe, M. R. 1923 B, 221.
Trouessart, E. L. 1904 A, 217.
Upper Eocene (Uinta); Utah.

CYNODICTIS Bravard and Pomel. Type *C. parisiensis* Pomel.

Hay, O. P. 1902 A, 771.
Beddard, F. E. 1902 A, 423.
Carlsson, A. 1914 A, 227.
Chardin, T. 1915 A, 119, 129.
1922 A, 98.
Depéret, C. 1906 A, 618.
1908 A, 167.
1912 A, 708.
Frick, C. 1926 A, 16.
Gaudry, A. 1891 C, 53.
Gervais, P. 1859 A, 216.
Gregory, W. K. 1912 C, 189.
1920 A, 151.
Hatcher, J. B. 1902 F, 83.
Haug, E. 1911 A, 1528.
Huxley, T. H. 1880 C, 4.
1880 D, 447, 455.
Lydekker, R. 1904 C, 62.
Martin, R. 1906 A, 411.
Matthew, W. D. 1901 B, 369, 371, 380
1906 C, 214.
1907 A, 181, 192.
1907 B, 534.
1909 C, 110.
1909 D, 353.
1915 A, 197, 219, 221.
1915 K, 420.
1924 C, 107, 119, 122, fig. 28.
1924 E, 748.
1928 B, 973, 974, fig. 13.
Matthew and Granger 1924 B, 8, fig. 6.
1925 D, 5.
Merriam, J. C. 1906 A, 58, 59.
O'Harra, C. C. 1910 A, 79, 146.
Osborn, H. F. 1907 G, 196, fig. 196.
1909 D, 57, 61, 63.
Palmer, T. S. 1904 A, 210, 824.
Pictet, F. J. 1853 A, 207.
Schlosser, M. 1902 A, 137.
1902 B, 298.
1902 J, 163, 235.
1903 I, 26, 211 (Cynodictis); 25 (Galecynus).
1904 B, 447.
Schmidt, O. 1886 A, 271.
Scott, W. B. 1913 A, 254, 530, 547.
Seeley, H. G. 1886 A, 517 (Galecynus).
Sinclair, W. J. 1924 A, 106.
Stromer, E. 1902 A, 256.
1902 B, 554, 561.
Studer, Th. 1906 A, 56.
Thorpe, M. R. 1922 E, 425.
1923 E, 241.
Tomes, C. S. 1906 A, 56, fig. 25.
Trouessart, E. L. 1904 A, 223.
Weber, M. 1904 A, 534, 540, 541.
Weber and Abel 1928 A, 328.
Winge, H. 1924 A, 177, 193, 195, 242.
Woodward, A. S. 1898 D, 330.
Wortman, J. L. 1901 B, xi, 443.
Zittel and Schlosser 1911 A, 387.
1923 A, 467, 668.

Cynodictis angustidens (Marsh).

Hay, O. P. 1902 A, 772 (Daphœnus).
Lydekker, R. 1884 A, 247 (Amphicyon).
Thorpe, M. R. 1922 C, 162 (Amphicyon); 163, 164, 173 (Cynodictis).
1922 E, 425, fig. 1 (C. gregarius, a syn.).
Miocene (Valentine); Nebraska, South Dakota, Colorado.

Cynodictis gregarius (Cope).

Hay, O. P. 1902 A, 771.
Cook, H. J. 1912 D, 36.
Dall and Harris 1892 A, 289 (Galecynus).
Darton, N. H. 1905 A, 173.
Hatcher, J. B. 1902 F, 105, pl. xvi, fig. 1; pl. xviii, figs. 2, 3.
Matthew, W. D. 1901 B, 357, 369, 380, pl. xxxvii.
1909 C, 105.
1924 C, 122, 123, fig. 28 (Nothocyon).
O'Harra, C. C. 1910 A, 80, fig. 12.
1920 A, 82, figs. 26, 27.
Schlosser, M. 1902 A, 137.
1902 J, 50 (Pseudocynodictis).
Scott, W. B. 1913 A, 529, fig. 260.
Seeley, H. G. 1886 A, 517 (Galecynus).
Sinclair, W. J. 1924 A, 102, 111.
Thorpe, M. R. 1922 E, 425, fig. 1 (Syn. of C. angustidens).
Trouessart, E. L. 1904 A, 223.
Zittel and Schlosser 1911 A, 387 (Galecynus).

Zittel and Schlosser 1923 A, 467 (Galecynus).
Oligocene (Middle); Colorado: (Brule); Nebraska, South Dakota.

Cynodictis lippincottianus (Cope).

Hay, O. P. 1902 A, 771 (C. lippincottianus, C. hylactor).
Cook, H. J. 1912 D, 36.
Lambe, L. M. 1908 A, 11, 61, pl. viii, figs. 9-14.
Matthew, W. D. 1901 B, 357, 380 (Amphicyon gracilis a syn.).
1909 C, 105.
Schlosser, M. 1902 J, 50 (Pseudocynodictis).
Thorpe, M. R. 1922 E, 427.
Trouessart, E. L. 1904 A, 223, 224.
Oligocene (Middle); Colorado: Oligocene (Brule); Nebraska.

Cynodictis oregonensis Merriam.

Merriam, J. C. 1906 A, 4, 5, 11, pl. ii, figs. 4, 5.
Matthew, W. D. 1909 C, 106.
Merriam and Sinclair 1907 A, 184, 188, 189.
Thorpe, M. R. 1922 C, 162.
1922 E, 427, 428.
Zittel and Schlosser 1923 A, 467 (Galecynus).
Oligocene (Middle John Day); Oregon.

Cynodictis paterculus Matthew.

Matthew, W. D. 1903 B, 209.
1909 C, 103.
1910 A, 33.
Thorpe, M. R. 1922 C, 163.
1922 E, 428.
Zittel and Schlosser 1911 A, 387 (Galecynus).
1923 A, 467 (Galecynus).
Oligocene (Titanotherium); Montana, Colorado, South Dakota.

Cynodictis temnodon Wortman and Matthew.

Hay, O. P. 1902 A, 771.
Cook, H. J. 1912 D, 38.
Matthew, W. D. 1901 B, 357, 370.
1909 C, 106.
1918 A, 189.
O'Harra, C. C. 1920 A, 153.
Trouessart, E. L. 1904 A, 225.
Oligocene (Brule); Colorado, Nebraska.

Cynodictis sp. indet.

Cook, H. J. 1912 D, 34. Oligocene (Chadron); Nebraska.
Matthew, W. D. 1909 C, 103. Oligocene (Chadron); South Dakota, etc.

Cynodon Aymard, A. Type *C. velaunus* Aymard.

Aymard, A. 1848, Ann. Soc. Agri. Sci., Arts et Comm. du Puy, xii, 244.
1850 A, 110.
1851 A, 92, 118, pl.
Chardin, T. 1915 A, 134, 189.
Gervais, P. 1852 A, 115, explan, pl. xxv.
1859 A, 218.
Hoernes, R. 1886 A, 694.
Matthew, W. D. 1909 C, 110 (This genus?).
1915 K, 420.
1924 C, 121, 122.
Matthew and Granger 1924 B, 4, fig. 6.
Nicholson and Lydekker 1889 A, 1434.
Osborn, H. F. 1910 B, 189, 528.
Winge, H. 1924 A, 177, 193, 195, 243.
Zittel, K. A. 1893 B, 624.
Zittel and Schlosser 1911 A, 389.
1923 A, 469.

Cynodon sp. indet.

Cook, H. J. 1912 D, 34. Oligocene (Chadron); Nebraska or adjacent region.

Cynodesmus Scott. Type *C. thoöides* Scott.

Hay, O. P. 1902 A, 773.
Beddard, F. E. 1902 A, 424.
Matthew, W. D. 1907 A, 174, 181, 182, 186, 192.
1909 C, 118.
1912 B, 185.
1918 A, 189.
1924 C, 107, 109, 118, 122, fig. 28.
1924 E, 748.
1928 B, 974, fig. 13.
Merriam, J. C. 1906 A, 58.
O'Harra, C. C. 1910 A, 80, 130.
Osborn, H. F. 1909 D, 75, 80.
1912 G, 249.
Palmer, T. S. 1904 A, 210, 824.
Romer and Sutton 1927 A, 462.
Schlosser, M. 1902 B, 299.
Scott, W. B. 1913 A, 522, 525, 530.
Thorpe, M. R. 1922 E, 434.
Zittel and Schlosser 1911 A, 387.
1923 A, 467, 672.

Cynodesmus brachypus (Cope).

Hay, O. P. 1902 A, 775 (Canis).
Cope and Matthew 1915 A, pl. cxix a, figs. 4, 7; pl. cxix b; pl. cxix c, figs. 1-3 (Canis, Cynodesmus).
Matthew, W. D. 1904 C, 253 (Canis).
1907 A, 186, 187, 188.
1909 C, 112.
Peterson, O. A. 1910 A, 209, 213, figs. 6, 10.
Lower Miocene (Laramie Peak); Wyoming.

Cynodesmus cuspidatus Thorpe.

Thorpe, M. R. 1922 E, 433, figs. 4, 5.
Upper Miocene (Valentine); Nebraska.

Cynodesmus minor Matthew.

Matthew, W. D. 1907 A, 172, 180, 181, 189.
1909 C, 112.
O'Harra, C. C. 1920 A, 155.
Miocene (Lower); South Dakota.

Cynodesmus thomsoni Matthew.

Matthew, W. D. 1907 A, 172, 178, 180, 181, 186, figs. 4, 5.
Cook, H. J. 1912 D, 42.
Matthew, W. D. 1909 C, 112.
1924 C, 109.
O'Harra, C. C. 1920 A, 155.
Peterson, O. A. 1910 A, 209, 267, fig. 62.
Thorpe, M. R. 1922 E, 433.
Miocene (Upper Rosebud); South Dakota.

Cynodesmus thoöides Scott.

Hay, O. P. 1902 A, 773.
Douglass, E. 1903 A, 151.
Matthew, W. D. 1904 C, 253.
1907 A, 186.
1909 C, 112.
Peterson, O. A. 1910 A, 209.
Scott, W. B. 1913 A, 522, fig. 255.
Sellards, E. H. 1916 B, 89.
Thorpe, M. R. 1922 C, 170.
1922 E, 433.
Miocene (Lower); Montana.

Cynodesmus sp. indet.

Cook, H. J. 1912 D, 43. Miocene (Sheep Creek); Nebraska.

NOTHOCYON Matthew. Type *Canis geismarianus* Cope.

Hay, O. P. 1902 A, 771.
Beddard, F. E. 1902 A, 415.
Frick, C. 1926 A, 6, 7.
Haug, E. 1911 A, 1705.
Ihering, H. 1910 A, 159.
Matthew, W. D. 1901 B, 380.
1907 A, 174, 180, 181, 182, 184, 192.
1909 C, 110, 118.
1918 A, 189.
1924 E, 748.
Merriam, J. C. 1906 A, 13, 58.
O'Harra, C. C. 1910 A, 80, 130.
Osborn, H. F. 1909 D, 131.
1910 B, 230, 236, 528.
1912 G, 246.
Palmer, T. S. 1904 A, 462, 825.
Romer and Sutton 1927 A, 462.
Schlosser, M. 1902 A, 137.
Scott, W. B. 1913 A, 530.
Studer, Th. 1901 A, 8.
1906 A, 31, 33, 56.
Trouessart, E. L. 1904 A, 234 (Subg. of Canis).
Weber and Abel 1928 A, 329, 340.
Winge, H. 1924 A, 231, 233.
Zittel and Schlosser 1911 A, 387.
1923 A, 467, 672.

Nothocyon annectens Peterson.

Peterson, O. A. 1906 C, 53, figs. 14, 15.
Cook, H. J. 1909 D, 268.
1912 D, 40.
Matthew, W. D. 1909 C, 112.
O'Harra, C. C. 1920 A, 155.
Peterson, O. A. 1924 B, 303.
Thorpe, M. R. 1922 E, 429.
Lower Miocene (Harrison); Nebraska, South Dakota.

Nothocyon geismarianus (Cope).

Hay, O. P. 1902 A, 771.
Matthew, W. D. 1901 B, 381 (Cynodictis).
1907 A, 180, 182.
1909 C, 106.
1924 C, 122, fig. 28.
Merriam, J. C. 1906 A, 4, 5.
Merriam and Sinclair 1907 A, 184, 189.
Schlosser, M. 1902 A, 137.
Seeley, H. G. 1886 A, 517 (Galecynus).
Studer, Th. 1906 A, 31, 33 (Canis geismarus).
Zittel and Schlosser 1911 A, 387.
1923 A, 467.
Upper Oligocene (John Day); Oregon.

Nothocyon geismarianus mollis Merriam.

Merriam, J. C. 1906 A, 4, 13, pl. ii, fig. 1; pl. iii, fig. 1.
Merriam and Sinclair 1907 A, 184, 188, 189.
Upper Oligocene (John Day); Oregon.

Nothocyon gregorii Matthew.

Matthew, W. D. 1907 A, 171, 180, 183, fig. 1.
Cook, H. J. 1912 D, 39.
Matthew, W. D. 1909 C, 112.
O'Harra, C. C. 1920 A, 155.
Lower Miocene (Harrison); South Dakota: (Monroe Creek); Nebraska.

Nothocyon latidens (Cope).

Hay, O. P. 1902 A, 771.
Matthew, W. D. 1907 A, 180, 182.
1909 C, 106.
1924 C, 123.
Merriam, J. C. 1906 A, 4, 5, 13, 15, pl. ii, figs. 6, 7.
Merriam and Sinclair 1907 A, 184, 188, 189.
Romer and Sutton 1927 A, 463.
Schlosser, M. 1902 A, 137.
Studer, Th. 1906 A, 31 (Canis).
Thorpe, M. R. 1922 C, 164.
Upper Oligocene (Middle John Day); Oregon.

Nothocyon latidens multicuspis Thorpe.

Thorpe, M. R. 1922 E, 430, fig. 3.
Lower? Miocene; Nebraska.

Nothocyon lemur (Cope).

Hay, O. P. 1902 A, 772.
Cook, H. J. 1912 D, 39 (This species?).
Matthew, W. D. 1907 A, 180, 182.
1909 C, 106, 112.
1924 C, 123.
Merriam, J. C. 1906 A, 4, 5, 12, 14, pl. ii, figs. 2, 3, 6, 7, 8.
Merriam and Sinclair 1907 A, 184, 188, 189, 191, 192.
Peterson, O. A. 1906 C, 24, 33 (This species?).

Romer and Sutton 1927 A, 463.
Schlosser, M. 1902 A, 137.
Seeley, H. G. 1886 A, 517 (Galecynus).
Studer, Th. 1906 A, 31 (Canis).
Thorpe, M. R. 1922 C, 165.
Upper Oligocene (John Day); Oregon: Lower Miocene (Harrison?); Nebraska.

Nothocyon vulpinus Matthew.

Matthew, W. D. 1907 A, 171, 180, 183, fig. 2.
1909 C, 112.
O'Harra, C. C. 1920 A, 155.
Thorpe, M. R. 1922 E, 429.
Lower Miocene (Harrison); South Dakota.

Nothocyon vulpinus coloradoënsis Thorpe.

Thorpe, M. R. 1922 E, 430, fig. 2.
Lower Miocene; Colorado.

Nothocyon sp. indet.

Cook, H. J. 1909 D, 266, fig. 5. Miocene (Lower Harrison); Nebraska.
1912 D, 42. Miocene (Upper Harrison); Nebraska.
Thorpe, M. R. 1922 E, 432.

PERICYON Thorpe. Type *P. socialis* Thorpe.

Thorpe, M. R. 1922 C, 162, 172.
Zittel and Schlosser 1923 A, 467.

Pericyon socialis Thorpe.

Thorpe, M. R. 1922 C, 172, fig. 3.
Upper Oligocene (Upper John Day); Oregon.

MESOCYON Scott. Type *Temnocyon coryphæus* Cope.

Hay, O. P. 1902 A, 773.
Cook, H. J. 1909 D, 262.
Matthew, W. D. 1903 D, 913 (= Hypotemnocyon).
1907 A, 174, 181, 182, 192.
1909 C, 110, 118.
1924 C, 119, 122, fig. 28.
Merriam, J. C. 1906 A, 58, 59.
Osborn, H. F. 1909 D, 68, 75.
Palmer, T. S. 1904 A, 342, 824 (Hypotemnodon); 414, 825 (Mesocyon).
Peterson, O. A. 1910 A, 259.
Schlosser, M. 1898 I, 514 (Hypotemnodon).
1903 I, 26, 176 (Hypotemnodon).
Scott, W. B. 1913 A, 528, 530.
Studer, Th. 1906 A, 56 (Hypotemnodon).
Thorpe, M. R. 1922 C, 173.
Trouessart, E. L. 1904 A, 218.
Zittel and Schlosser 1911 A, 387.
1923 A, 467.

Mesocyon brachyops Merriam.

Merriam, J. C. 1906 A, 4, 5, 17, 18, fig. 2.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 184, 191, 192.
Thorpe, M. R. 1922 C, 169.
Oligocene (Upper John Day); Oregon.

Mesocyon coryphæus (Cope).

Hay, O. P. 1902 A, 773.
Cook, H. J. 1909 D, 264.
Matthew, W. D. 1903 D, 913 (Temnocyon).
1907 A, 182.
1909 C, 106.
Merriam, J. C. 1906 A, 4, 5, 16, 17, 21, fig. 3.
Merriam and Sinclair 1907 A, 184, 188, 189, 191, 192.
Schlosser, M. 1898 I, 516 (Hypotemnodon).
Thorpe, M. R. 1922 C, 168.
Trouessart, E. L. 1904 A, 218.
Oligocene (Middle John Day); Oregon.

Mesocyon drummondanus Douglass.

Douglass, E. 1903 A, 151, 164, figs. 9, 10 (This genus?).
Matthew, W. D. 1909 C, 107.
Thorpe, M. R. 1922 C, 171.
Oligocene? (Upper); Montana.

Mesocyon iamonensis Sellards.

Sellards, E. H. 1916 B, 88, pl. ii, fig. 11 (This genus?).
Miocene; Florida.

Mesocyon josephi (Cope).

Hay, O. P. 1902 A, 773.
Matthew, W. D. 1907 A, 182.
1909 C, 106.
Merriam, J. C. 1906 A, 4, 5, 17, 19.
Merriam and Sinclair 1907 A, 184, 188, 189.
Thorpe, M. R. 1922 C, 169.
Oligocene (Middle John Day); Oregon.

Mesocyon josephi secundus Thorpe.

Thorpe, M. R. 1922 C, 170, figs. 1, 2.
Oligocene (Middle John Day); Oregon.

Mesocyon robustus Matthew.

Matthew, W. D. 1907 A, 171, 185, fig. 3.
1909 C, 112.
O'Harra, C. C. 1920 A, 155.
Peterson, O. A. 1910 A, 259.
Thorpe, M. R. 1922 E, 429.
Lower Miocene (Rosebud); South Dakota, Colorado.

Mesocyon sp. indet.

Cook, H. J. 1912 D, 39. Miocene (Monroe Creek); Nebraska.
Matthew, W. D. 1909 C, 112. Miocene (Monroe Creek); Nebraska.
Merriam, J. C. 1906 A, 20, 21, figs. 4-6. Oligocene (John Day); Oregon.
Osborn, H. F. 1918 A, 16. Upper Oligocene (Alum Bluff).; Florida.

CANINÆ Gill.

Gill, T. 1872 B, 63.
Hay, O. P. 1902 A, 77.
Abel, O. 1913 B, 717 (Caninæ, Cynodictinæ).
Arldt, T. 1912 A, 748.
Frassetto, F. 1902 A, 220.
Frick, C. 1926 A, 7, 13.
Giebel, C. G. 1855 A, 25.
Gray, J. E. 1868 B, 497 (Canina).
Lydekker, R. 1884 A, 240.
Matthew, W. D. 1907 A, 181.
1924 C, 122, fig. 28.
Miller, G. S. 1924 C, 143.
Trouessart, E. L. 1904 A, 223.
Weber and Abel 1928 A, 328.
Zittel and Schlosser 1911 A, 389.
1923 A, 469 (Caninæ); 466 (Cynodictinæ).

TEPHROCYON Merriam. Type *Canis rurestris* Condon.

Merriam, J. C. 1906 A, 6, 58.
Cook, H. J. 1922 B, 5.
Frick, C. 1926 A, 20.
Hay, O. P. 1923 A, 15.
Lydekker, R. 1914 A, 630.
Matthew, W. D. 1909 C, 118.
1915 A, 219.
1918 A, 188.
1924 C, 88, 109.
1924 E, 748.
1928 B, 974, fig. 13.
Matthew and Cook 1909 A, 366.
Merriam, J. C. 1911 B, 207, 216.
1913 D, 359, 360, 371.
1915 F, 257.
1917 A, 437.
1919 A, 451, 455, 528.
Osborn, H. F. 1910 B, 296, 356, 528.
Scott, W. B. 1913 A, 522, 527, 530.
Thorpe, M. R. 1922 C, 173.
Weber and Abel 1928 A, 329.
Zittel and Schlosser 1911 A, 389.
1923 A, 470, 673, 679.

Tephrocyon kelloggi Merriam.

Merriam, J. C. 1911 B, 205, 214, 215, 235, pl. xxxii, figs. 5-7.
Matthew, W. D. 1918 A, 188.
Merriam, J. C. 1911 B, 211, 213, 214, 215 ("T. near kelloggi").
1913 D, 360, 361, 367, figs. 9, 11, 12 (T. kelloggi); figs. 10, 13 ("T. near kelloggi").
1916 A, 173, figs. 1, 2 (This species?).
1917 A, 429 (This species?).
1919 A, 452, 464.
Miocene (Cedar Mountain, Virgin Valley): Pliocene (Thousand Creek); Nevada.

Tephrocyon rurestris (Condon).

Condon, T. 1896 A, 11, pl., fig. of skull (Canis).
1902 A, 123, 139 ("dog"); pl. xviii, large fig. (Canis).
1910 A, 101, 115, 116, pl. xviii, large fig. (Canis).
Hay, O. P. 1924 A, 4.
Matthew, W. D. 1909 C, 114.
1918 A, 188.
Matthew and Cook 1909 A, 374.
Merriam, J. C. 1906 A, 4, 6, pl. i, figs. 1-3.
1911 B, 209, 214, 239, fig. 8 (This genus and species?).
1913 D, 360, 361, 362, figs. 1-5, 15?.
1919 A, 464, fig. 8 (This species?).
Merriam and Sinclair 1907 A, 196.
Thorpe, M. R. 1922 C, 175.
1922 E, 435.
Middle Miocene (Mascall); Oregon: (Virgin Valley); Nevada: Upper Miocene (Barstow); California.

Tephrocyon temerarius (Leidy).

Hay, O. P. 1902 A, 776 (Canis).
1924 D, 239 (Canis. This species?).
Cook, H. J. 1912 D, 44 (Tephrocyon. This species?).
Hay, O. P. 1924 A, 2 (Tephrocyon).
Matthew, W. D. 1901 B, 358, 359, 374 (Canis).
1909 C, 114 ("Canis" cf. temararius); 115 ("Canis" temararius).
1918 A, 185, 188 (Tephrocyon).
1924 C, 65, 71, 98.
Matthew and Cook 1909 A, 376 (Tephrocyon).
Merriam, J. C. 1913 D, 360, 361, 365, figs. 7-8 (Tephrocyon).
1917 A, 435 (Tephrocyon. This species?).
1919 A, 450, 462, 527, fig. 7 (Tephrocyon. This species?).
Merrill, G. P. 1907 A, 27 (Canis).
Peterson, O. A. 1910 A, 268, fig. 63 (Tephrocyon).
Sinclair, W. J. 1915 A, 76 (Tephrocyon. This species?).
Troxell, E. L. 1915 A, 616, 633, figs. 21, 22 (Canis).
Lower Pliocene (Arikaree); Nebraska: Upper Miocene (Lower Snake Creek); Nebraska: (Pawnee Creek); Colorado: (Barstow?); California?.

Tephrocyon sp. indet.

Merriam, J. C. 1911 B, 241, fig. 9 (This genus?). Miocene (Virgin Valley); Nevada.
1913 D, 361, figs. 14-16 (This genus?). Middle Miocene; Nevada.
1917 A, 425.
Stock, C. 1925 A, 20. Lower Pliocene (Pinole-Orinda-Siesta); California.
See also *Tomarctus* sp. indet.

LEPTOCYON Matthew. Type *Canis vafer* Leidy.

Matthew, W. D. 1918 A, 185, 189.
1924 C, 120.
Zittel and Schlosser 1923 A, 470, 679.

Leptocyon vafer (Leidy).

Hay, O. P. 1902 A, 776 (Canis).
Abel, O. 1913 B, 717 (Canis).

Abel, O. 1914 A, 80 (Canis).
Cook, H. J. 1912 D, 44 (Tephrocyon. This species?).
Matthew, W. D. 1909 C, 115 ("Canis" vafer).
1918 A, 185, 190.
1924 C, 65.
Matthew and Cook 1909 A, 376 (To Tephrocyon?).
Merriam, J. C. 1913 D, 361 (Tephrocyon?).
1917 A, 435 (Canis. This species?).
1919 A, 533, figs. 138, a, b (Canis? This species?).
Merrill, G. P. 1907 A, 28 (Canis).
Osborn, H. F. 1915 B, 206 (Canis).
Sinclair, W. J. 1915 A, 76 (Tephrocyon. This species?).
Thorpe, M. R. 1922 E, 437.
Trouessart, E. L. 1904 A, 238 (L. vafra).
Troxell, E. L. 1915 A, 633, 634 (Canis. This species?).
Pliocene (Ricardo); California: Upper Miocene (Snake Creek); Nebraska.

ÆLURODON Leidy. Type *A. ferox* Leidy = *A. sævus* Leidy.

Hay, O. P. 1902 A, 773.
Frick, C. 1926 A, 17, 20.
Haug, E. 1911 A, 1706.
Heilprin, A. 1887 A, 386, 388.
Lydekker, R. 1884 A, 178.
Matthew, W. D. 1904 C, 249, 250.
1907 A, 181.
1909 C, 118.
1912 B, 185.
1915 A, 219.
1918 A, 188.
1924 C, 70, 88, 102, 109, 118, 122, 126, fig. 28.
1924 E, 748.
Matthew and Cook 1909 A, 370.
Merriam, J. C. 1906 A, 9, 58.
1915 F, 257, 262.
1915 G, 100.
1917 A, 437.
1919 A, 451, 455, 531.
O'Harra, C. C. 1910 A, 80, 132.
Osborn, H. F. 1909 D, 80, 81.
1910 B, 301, 349, 353, 528.
Palmer, T. S. 1904 A, 81, 823.
Pilgrim, G. E. 1912 A, 13.
Scott, W. B. 1913 A, 527.
Stock, C. 1928 D, 41.
Stock and Furlong 1926 A, 45.
Trouessart, E. L. 1904 A, 226.
Weber and Abel 1928 A, 329.
Zittel and Schlosser 1911 A, 388.
1923 A, 468, 673, 679.

Ælurodon? aphobus Merriam, J. C.

Merriam, J. C. 1919 A, 525, 527, 535, figs. 144, 145.
Matthew, W. D. 1924 C, 100.
Stock, C. 1928 D, 41, pl. i, fig. *a*.
Stock and Furlong 1926 A, 47 (This genus?).
Lower Pliocene (Ricardo); California.

Ælurodon? brachygnathus Douglass.

Douglass, E. 1903 A, 153, 173, fig. 16 (Ælurodon?).
Matthew, W. D. 1904 C, 252 (Ælurodon?).
1909 C, 114 (Ælurodon).
Miocene (Flint Creek); Montana.

Ælurodon compressus Cope.

Hay, O. P. 1902 A, 774.
Matthew, W. D. 1904 C, 251, 253.
1909 C, 115 (Ælurodon?).
Matthew and Cook 1909 A, 373 (Canis).
Miocene (Arikaree); Nebraska.

Ælurodon francisi Hay.

Hay, O. P. 1924 A, 2, pl. iii, figs. 1, 2.
Upper Miocene (Fleming); Texas.

Ælurodon haydeni (Leidy).

Hay, O. P. 1902 A, 774.
Barbour and Cook 1917 B, 173, fig. 5.
Cook, H. J. 1912 D, 44.
Gidley, J. W. 1904 A, 245.
Matthew, W. D. 1904 C, 250, 251, fig. 5.
1909 C, 115.
1923 A, 12.
1924 C, 65.
Matthew and Cook 1909 A, 371, fig. 2.
Merrill, G. P. 1907 A, 27 (Canis).
O'Harra, C. C. 1920 A, 158.
Stock, C. 1928 D, 42.
Troxell, E. L. 1915 A, 632 (Canis. This species?).
Lower Pliocene (Upper Snake Creek); Nebraska, Montana, South Dakota.

Ælurodon haydeni validus Matthew and Cook.

Matthew and Cook 1909 A, 371.
Matthew, W. D. 1918 A, 185.
1924 C, 100.
Merriam, J. C. 1917 A, 435.
Sinclair, W. J. 1915 A, 76.
Stock, C. 1928 D, 42.
Lower Pliocene (Upper Snake Creek); Nebraska.

Ælurodon hyænoides Cope.

Hay, O. P. 1902 A, 774.
Cope and Matthew 1915 A, pl. cxix*a*, fig. 5 (Ælurodon, Brachypsalis?).
Matthew, W. D. 1904 C, 252 ("Not this genus").
1909 C, 115.
1918 A, 195.
Pliocene (Snake Creek); Nebraska.

Ælurodon platyrhinus Barbour and Cook.

Barbour and Cook 1917 B, 173, figs. 1-4.
Pliocene (Valentine); Nebraska.

Ælurodon sævus (Leidy).

Hay, O. P. 1902 A, 774.
Barbour and Cook 1917 B, 173, figs. 7, 8.
Cope, E. D. 1891 N, 64, fig. 30.

Cope and Matthew 1915 A, pls. cxviii, cxviii*a*, cxviii*b*, pl. cxix, figs. 1-9.
Gidley, J. W. 1904 A, 245.
Hay, O. P. 1924 D, 239 (Ælurodon, Canis. This species?).
Matthew, W. D. 1904 C, 250.
1909 C, 115.
1923 A, 12.
1924 C, 65, 102.
Merriam, J. C. 1917 A, 438.
Merrill, G. P. 1907 A, 21 (Æ. ferox, Æ. sævus); 27 (Canis sævus).
O'Harra, C. C. 1920 A, 158.
Thorpe, M. R. 1922 E, 439.
Troxell, E. L. 1915 A, 616, 633 (Canis. This species?).
Miocene (Arikaree); Nebraska, South Dakota: Pliocene (Republican River); Kansas: ? Pleistocene (Aftonian); Texas, *fide* Troxell: Lower Pliocene (Upper Snake Creek); Nebraska.

Ælurodon sævus secundus Matthew and Cook.

Matthew and Cook 1909 A, 372, fig. 3.
Cook, H. J. 1912 D, 44.
Hay, O. P. 1924 A, 2.
Matthew, W. D. 1918 A, 185.
Merriam, J. C. 1917 A, 435.
Sinclair, W. J. 1915 A, 76.
Pliocene (Snake Creek); Nebraska.

Ælurodon simulans Hay.

Hay, O. P. 1924 A, 2, text-fig. 1.
Upper Miocene (Fleming); Texas.

Ælurodon taxoides Hatcher.

Hay, O. P. 1902 A, 774.
Matthew, W. D. 1904 C, 250.
1909 C, 115 (Syn. of Æ. wheelerianus).
Thorpe, M. R. 1922 E, 440, 443.
Miocene (Arikaree); Nebraska.

Ælurodon wheelerianus Cope.

Hay, O. P. 1902 A, 774.
Barbour and Cook 1917 B, 173, fig. 6.
Cope and Matthew 1915 A, pl. cxix*a*, figs. 1-3.
Frick, C. 1926 A, 20 (Canis).
Gidley, J. W. 1904 A, 245 (This species?).
Matthew, W. D. 1904 C, 250, figs. 3, 4.
1909 C, 115 (Includes *Æ. taxoides* Hatcher).
1918 A, 185 (Includes *Æ. taxoides* Hatcher).
Merriam, J. C. 1917 A, 435, 438 (This species?).
1919 A, 450, 464, 527, 533, figs. 10, 11 (This species?).
Sinclair, W. J. 1915 A, 76, 78, fig. 1 (This species?).
Thorpe, M. R. 1922 E, 439, 443 (This species?).
Zittel and Schlosser 1911 A, 388, fig. 554.
1923 A, 468, fig. 593.
Miocene (Arikaree); New Mexico, Nebraska: ? Upper Miocene (Barstow); California.

Ælurodon? sp. indet.

Barbour and Cook 1917 A, 172. Pliocene (Devil's Gulch); Nebraska.
1917 B, 180. Pliocene (Valentine); Nebraska.
Matthew, W. D. 1904 C, 252, 253 ("canid"). South Dakota.
Matthew and Cook 1909 A, 372.
Merriam, J. C. 1911 B, 241, fig. 10. Virgin Valley; Nevada.
1917 A, 429, 430. Pliocene (Thousand Creek); Nevada: 430 ("near A. wheelerianus"): (Ricardo); Nevada.
1919 A, 525, 527, 538, figs. 146-153 (Ælurodon or Tephrocyon). Barstow; California.
Merriam and Stock 1928 A, 8, text-fig. 1. Pliocene (Thousand Creek); Nevada.
Sinclair, W. J. 1915 A, 76.

Canis Linnæus. Type *C. familiaris* Linnæus.

Hay, O. P. 1902 A, 775 (Canis); 776 (Pachycyon).
Abel, O. 1909 D, (226).
1912 D, 602 ("wolf").
1914 A, 80.
1920 A, 422, fig. 637 ("wolf").
1921 A, 140, fig. 21 ("wolf").
Adolphi, H. 1899 A.
Allen, G. M. 1920 A, 431 (Pachycyon).
Allen, J. A. 1892 A.
1903 A.
Altmann, F. 1925 A, 108.
Ameghino, F. 1885 A, 203.
1889 A, 1007.
1904 A, 8.
1906 B, 9.
Anderson, R. J. 1902 A, 1121, fig. 13.
1902 B, 369, fig.
1903 A, 651.
1908 A, 547 ("dogs").
1909 A, 745.
Anthony, R. 1905 A, 854 ("chiens").
1912 A, ("chien").
Arldt, T. 1907 D, 643.
Baker, F. C. 1920 A, 210, 374.
Bardenfleth, K. S. 1913 A, 86.
Bateson, W. 1892 A, 105 ("dog").
Beddard, F. E. 1902 A, 416.
Bertelli, D. 1909 A, 175, figs. 8, 9.
Beyer, H. 1908 A, 101, fig. 24.
1909 A, 20 ("hunde").
Blanford, W. T. 1876 A, 285.
Boas, J. E. V. 1884 B, 392 ("hund").
1909 A, 526, figs. 2, 12 ("hund").
1914 B, 580.
1914 C, 303, figs. 96, 97.
Bolk, L. 1913 A, 86.
1921 B, 169, figs. 52*b*, 68.
1922 A, 101, fig. 100.
Bonsdorff, E. J. 1871 A, 318.
Bradley, O. C. 1908 A, 484 ("dog").
Brandt and Woldrich 1887 A, 38.
Bronn, H. G. 1848 A, 213.
1849 A, 720, 783, seq.
Broom, R. 1905 A, 98.
Bugnion, E. 1901 A, 94 ("chien").
Carus and Engelmann 1861 A, 1717.
Caush, D. E. 1904 A, 157 ("dog").

Chaine, J. 1921 A, 125 ("loup," "chien").
Cleland, J. 1863 A, 120 ("dogs").
Cope, E. D. 1880 U, 156.
Cuvier, G. 1805 A.
1825 A, III, 267, pls.; IV, 246, pl. xvi ("chien").
Doran, A. H. G. 1878 A, 395, pl. lix.
Dubois, E. 1922 A, 315.
Duerst, J. U. 1904 A, 41 ("chiens").
1908 A, 345.
Eimer, G. H. T. 1901 A, 259 ("hund").
Elliot, D. G. 1901 A, 299.
Ellenberger and Baum 1903 A ("hund").
Emery, C. 1890 A, 292 ("hund").
Engelmann, O. 1910 A, 486 ("hund").
Filhol, H. 1889 A, 221 ("chien").
Fischer, J. B. 1829 A, 172.
Foote, J. S. 1916 A, 138.
1921 A, 10, pl. iii, fig. 24 ("bulldog").
Frassetto, F. 1903 A, 220, 234, 308.
Frets, G. P. 1912 A, 429, figs. 24-25, 51-61.
Fuchs, H. 1907 A, 153 ("hund").
1911 B, 382, fig. 17.
Gaudry, A. 1875 D, 1282.
1891 C, 54, fig. 19 ("wolf").
1901 B, 100 ("chien").
Gaupp, E. 1905 D, 1039.
1908 C, 745.
1910 C, 356 ("hund").
Geikie, J. 1914 A, 328 ("wolf").
Geinitz, E. 1903 A.
1904 A.
Gervais, P. 1852 A, 109.
1853 B, 37 ("chien").
1859 A, 211.
Gidley, J. W. 1913 B, 101 (Lyciscus); 102 (Lysciscus, Epicyon).
Giebel, C. G. 1855 A, 26, pls. ix, x.
1883 A, pls. xii, xiii, lxxix.
Gottlieb, H. 1914 A, 203 ("hunde").
Grevé, C. 1891 A, 404, 405.
Hay, O. P. 1912 D, 776.
1914 A, 484.
1925 D, 242.
Heilprin, A. 1887 A, 386-388 (Canis); 388 (Pachycyon).
Hensel, R. 1879 A.
Hilzheimer, M. 1905 A.
Hoever, R. 1911 A, 84 ("hund").
Hoyer and Babik 1924 A, 452, pl. xxxiii, fig. 6 ("hunde").
Hrdlička, A. 1903 A, 372.
1920 A, 463, pl. vi.
Hue, E. 1907 A, pls. i-xxi, xxx, xxxi, xxxii, lxxvii, lxxxi, xcvi, cx, cxxiv, cxxxiv, cxlvii, clxi, clxxvii.
Hull, E. 1914 A, 613.
Huxley, T. H. 1856 B, 191 ("dog," "wolf").
1880 D, 407, figs. 1-5, 7, 8.
1880 F, 162.
Ihering, H. 1910 A, 136.
Jacobi, A. 1921 A, 203, fig. 1.
Kampfen, P. N. 1905 A, 521, fig. 50.
Keller, C. 1903 A, 440 ("hunde").
Kingsley, J. S. 1925 A, 200, fig. 207 ("dog").
Klatt, B. 1912 A, 154, 164.
Köstlin, O. 1844 A.
Kraglievich, L. 1926 C, 68.
Krukenberg, A. 1849 A, 413 ("hund").
Laloy, L. 1907 A, 587.
Landois, H. 1863 A, 163 ("wolf").
Landsberger, R. 1914 A, 206 ("hund").
Lapicque and Girard 1907 A, 1017.
Leboucq, H. 1884 A, 85, fig. 45.
Leche, W. 1900 A, 991.
1912 A, 76.
Le Damany, P. 1903 G, 127, figs. 1, 20 ("chien").
Ledouble, A. F. 1903 A, 642 ("chiens").
Lepkowski, W. 1897 A, 571, figs. 1, 2, 7, 19, 20 ("hunde").
Leunis and Ludwig 1883 A, 188.
Lobley, J. L. 1908 A, 194, 211.
Lockington, W. N. 1884 A, 415.
Lubosch, W. 1907 A, 619 ("hunde").
Lucae, J. P. 1872 A, 372.
Lull, R. S. 1922 C, 603.
Mackie, S. J. 1863 D, 337.
Magitot, E. 1875 A, 79 ("chiens").
Major, C. J. F. 1880 A, 39 ("hunde").
Matschie, P. 1896 A, 249.
1901 A, 308.
Matthew, W. D. 1906 C, 216, text-fig. 6.
1909 C, 118.
1909 D, 324, text-fig. 3.
1910 G, 154, 159.
1915 A, 219.
1918 A, 188.
1924 C, 88, 106, 109, 122, fig. 28.
1924 E, 748.
1928 B, 974, fig. 13.
Mead, C. S. 1909 A, 195.
Meckel, J. F. 1825 A.
Merriam, C. H. 1892 A, 62.
Merriam, J. C. 1906 A, 8, 58.
Meunier, S. 1903 A, 776 ("loups").
Miller, G. S. 1912 B, 77.
1924 C, 150.
Müller, F. 1911 A, 335 ("hund").
Mysberg, W. A. 1917 A, 655.
Nehring, A. 1880 A.
1890 A, 34.
Noack, T. 1907 A, 661.
1908 A, 254.
Olmstead, M. P. 1911 A, 339.
Osborn, H. F. 1905 I, 110.
1907 G, 139, fig. 96.
1909 D, 83, 85, 89.
1910 B, 609, fig. 71.
1915 B, 205.
1916 B, 536.
1925 F, 961 ("dog").
Owen, R. 1845 B, 475, pl. cxxv, figs. 1-4.
1845 E, 127.
1848 B, 187, pl. ii.
1868 A, 869, fig. 262.
Palmer, T. S. 1904 A, 157, 823 (Canis); 494, 825 (Pachycyon).
Pander and Alton 1822 A, 8 ("hunde").
Paramore, R. H. 1910 A, 1459, fig. 10 ("dog").
Paulli, S. 1899 A, 154, fig. 1.
1900 B, 489, pl. xxvii; text-figs. 4-6.
Pocock, R. I. 1914 A, 478.
1914 B, 918, text-fig. 4.
1916 F, 261.
Pohl, L. 1911 A, 131.
1928 A, 437, fig. 1.

Pohle, H. 1921 A, 116, fig. 1.
Rehs, J. 1914 A, 56.
Reichert, K. B. 1849 A, 467 ("hunde").
Retterer, E. 1884 A, 478, 507 ("chien").
1906 A, 197, figs. 1, 2, 5, 6 ("chien").
1916 A, 764 ("chien").
1919 B, 572 ("chien").
1919 C, 618 ("chiens").
1919 D, 741 ("chien").
1919 E, 1222 ("chien").
Retterer and Lelièvre 1910 A, 952 ("chien").
1910 B, 988 ("chien").
Retzius, A. 1837 A, 489.
1849 A, 631.
Reynolds, S. H. 1897 A, 374-415, 539, figs. 68-80, 84, 100.
1909 A, 1, pls. i-vi.
Römer, F. 1907 A, 73.
Roth, S. 1908 A, 141.
Rudolf, G. de M. 1922 A, 142, fig. 10 ("dog").
Scharff, R. F. 1895 A, 449-467.
1911 A, 149 (Canis); 430 (Lyciscus).
Schlegel, R. 1912 A, 1-29.
Schlosser, M. 1897 B, 18.
1898 I, 516.
1902 B, 298.
1903 I, 176, 209, 211.
Schmidt, O. 1886 A, 259.
Schwalbe, G. 1904 A, 207.
Scott, W. B. 1913 A, 522, 677 (Canis); 522 (Pachycyon).
Serres, M. 1835 A, 244 ("dog", "wolf").
Sippel, W. 1907 A, 521 ("hund").
Sisson, S. 1910 A, 150, figs. 115-137 ("dog").
Spurrell, H. G. F. 1906 A, 114 ("wolf").
Stach, J. 1905 A, 289 ("hunde").
Stromer, E. 1902 A.
Studer, T. 1901 A.
1906 A, 23.
Taets, W. 1913 A, 5-78.
Taschenberg, O. 1899 A, 4493.
Terra, P. 1911 A, 64, 265, figs. 12, 13; 277, figs. 102, 103.
Tims, H. W. M. 1902 A, 322.
1903 A, 140, fig. 2*a*.
1905 B, 1786, fig. 2.
Tourneux, F. and J. P. 1912 A, 90, figs. 24-28 ("chien").
Trouessart, E. L. 1904 A, 227.
Van den Broeck, A. J. P. 1912 A, 782.
Veith, A. 1912 A, 19.
Virchow, H. 1909 A, 421, fig. 3.
Wagner, R. 1843 A.
Wallace, A. R. 1876 A, I, 491; II, 197.
Weber, M. 1904 A, 533, 541.
Weber and Abel 1928 A, 307, 308, 312, 316, 324, figs. 184, 193, 199, 201.
Weber and Burlet 1927 A, figs. 42, 81, 114, 197, 198.
Weidenreich, F. 1922 A, 33 ("hund").
Wilder, B. G. 1874 A, 301 ("dogs").
Wińcza, H. 1890 A, 650, pl. xxiv ("hund").
Windle, B. C. A. 1890 A, 5 ("dogs").
Winge, H. 1923 A, 354, pl. iii, fig. 6.
1924 A, 177, 193, 195, 243, 248.
Wright, G. F. 1911 B, 436 ("dog").
Zietzschmann, O. 1917 A, 437, pl. xxv ("hund").
Zittel and Schlosser 1911 A, 389.
Zittel and Schlosser 1923 A, 404, 470, 673, figs. 505-509, 512, 514, 516-518, 588, 590.

Canis? anceps Scott.

Hay, O. P. 1902 A, 775.
Matthew, W. D. 1901 B, 374.
1909 C, 114 (This genus?).
Miocene (Middle); Montana.

Canis andersoni Merriam, J. C.

Merriam, J. C. 1910 A, 393.
Abel, O. 1926 B, 237.
Hay, O. P. 1927 D, 184, 191.
Merriam, J. C. 1912 C, 260, figs. 41, 42.
Merriam and Stock 1925 A, 10.
Miller, L. H. 1912 A, 78.
Osborn, H. F. 1925 D, 531.
Stock, C. 1925 A, 30.
Swarth, H. S. 1915 A, 18.
Wyman, L. E. 1922 A, 23.
Pleistocene (La Brea); California.

Canis armbrusteri Gidley.

Gidley, J. W. 1913 B, 96, 98, 102, figs. 2, 3.
1913 G, 50 ("dog").
Hay, O. P. 1923 A, 350.
Pleistocene (Middle); Maryland.

Canis? davisi Merriam.

Merriam, J. C. 1911 B, 211, 212, 214, 230, figs. 11-13.
1917 A, 428, 429 (Canis?).
Merriam, Stock, Moody 1925 A, 58, 60, fig. 9 (This genus and species?).
Stock, C. 1925 A, 18 (This genus?).
Pliocene (Thousand Creek); Nevada: Lower Pliocene (Rattlesnake); Oregon.

Canis furlongi Merriam.

Merriam, J. C. 1910 A, 393 (C. occidentalis furlongi).
Abel, O. 1926 B, 237 (C. occidentalis furlongi).
Hay, O. P. 1927 D, 184, 191.
Merriam, J. C. 1912 C, 251, fig. 32 (C. occidentalis furlongi).
Merriam and Stock 1925 A, 10 (C. occidentalis furlongi).
Miller, L. H. 1912 A, 78, 81 (C. occidentalis furlongi).
Osborn, H. F. 1925 D, 531, 533 (C. occidentalis furlongi).
Stock, C. 1925 A, 30 (C. occidentalis furlongi).
Pleistocene (La Brea); California.

Canis latrans Say.

Hay, O. P. 1902 A, 775.
Allen, G. M. 1920 C.
Baker, F. C. 1920 A, 456.
Elliot, D. G. 1901 A, 301, pl. xxix.
Foote, J. S. 1916 A, 138, pl. xix.
Freudenberg, W. 1910 A, 26, pl. vi, fig. 1; pl. vii, figs. 1, 2.
1921 A, 138.
1922 A, 4.
Gilbert, G. K. 1890 A, 303, 394.
Grevé, C. 1891 A, 415.
Haug, E. 1911 A, 1886, 1887.
Hay, O. P. 1912 D, 781, pl. xxxi.
1914 A, 26, 38, 491, pl. lxxv.

Hay, O. P. 1917 A, 60.
1918 C, 346 ("coyote").
1920 B, 129, 141.
1921 A, 633.
1923 A, 481.
1924 D, 375.
1926 D, 358 ("wolf").
1927 D, 303.
1928 C, 425.
Hrdlička, A. 1903 A, 373.
Huxley, T. H. 1880 D, 439.
Lockington, W. N. 1884 A, 419.
McCornack, E. C. 1920 A, 23.
Matschie, P. 1896 A, 252 ("präriehund").
Matthew, W. D. 1902 F, 317, 320 (This species?).
1915 K, 402.
1918 A, 226.
Merriam, C. H. 1897 B, 23.
Merriam, J. C. 1903 B, 278, 290.
1911 F, 210, fig. 1 ("coyote").
Miller, G. S. 1912 B, 79.
1924 C, 151.
Miller, L. H. 1912 A, 81.
Osborn, H. F. 1910 B, 457, 460, 464.
Pocock, R. I. 1913 A, 382, figs. 70-72, 74.
Scharff, R. F. 1911 A, 149, 430.
Scott, W. B. 1913 A, 165, fig. 79.
Seton, E. T. 1909 A, 789, pls. lxx-lxxv, map 43.
Shufeldt, R. W. 1913 B, 160, pl. xi, figs. 61-64; pl. xliii, figs. 555-561 (This species?).
Stock, C. 1925 A, 195.
Studer, T. 1901 A, 15.
Weber and Abel 1928 A, 326.
Whitney, J. D. 1862 A, 136 (C. latrans?).
Recent; northern Mississippi Valley from Rocky Mountains to eastern Illinois: Pleistocene; Lead region of Wisconsin, Nebraska, Indiana, California, Oregon: Upper Pliocene; Mexico (*fide* Freudenberg), Oklahoma, Texas.

Canis lestes Merriam.

Merriam, C. H. 1897, Proc, Biol. Soc. Wash., xi, 25.
Hay, O. P. 1927 D, 243 (C. latrans = ? C. lestes).
Matthew, W. D. 1902 F, 320 (C. latrans, C. lestes?).
Miller, G. S. 1912 B, 80.
1924 C, 151.
Recent; British Columbia to Arizona: Pleistocene; Oregon?

Canis lycaon Schreber.

Schreber, J. C. D. 1776, Säugethiere, pl. lxxxix.
Hay, O. P. 1902 A, 776 (C. occidentalis, in part).
Baird, S. F. 1857 A, 108 ("No. 1804").
Cope, E. D. 1895 G, 596 (C. lupus).
Cuvier, G. 1825 A, iv, 463.
Fischer, J. B. 1829 A, 182.
Frech and Geinitz 1903 A, 36 (C. lupus).
Grevé, C. 1891 A, 409.
Hay, O. P. 1923 A, 310.
Holland, W. J. 1908 A, 232 (C. occidentalis).
1912 B, 751 (C. occidentalis).
Leidy, J. 1889 H, 97 ("wolf").
Mercer, H. C. 1894 A, 97 ("wolf").
Miller, G. S. 1912 B, 78.
1912 C, 5.
1912 D, 95.
1924 C, 154.
Rhoads, S. N. 1903 A, 228 (C. mexicanus nubilus).
Woolman, L. 1897 B, 211 ("wolf").
Recent, Eastern Canada: Pleistocene; Pennsylvania, New Jersey.
The fossil wolf remains found in the eastern United States are referred to this species only provisionally.

Canis nubilus Say.

Say, T. 1823, Long's Exped. Rocky Mts., i, 169.
Brown, R. 1908 A, 182 (C. occidentalis).
Eaton, G. F. 1923 A, 233 (C. occidentalis).
Fischer, J. B. 1829 A, 183.
Haug, E. 1911 A, 1886 (C. lupus).
Hay, O. P. 1914 A, 32 (C. occidentalis).
1917 D, 48 (C. occidentalis?).
1920 B, 129.
1921 A, 633 (This species?).
1923 A, 481.
1924 D, 254, 255.
1927 D, 129.
Holmes, W. H. 1903 A, 244 ("wolf").
Lockington, W. N. 1884 A, 417 ("american wolf").
Miller, G. S. 1912 B, 78.
1924 C, 154.
Osborn, H. F. 1910 B, 464 (C. lupus); 488 (C. occidentalis).
Williston, S. W. 1898 I, 92 (C. lupus).
Recent; eastern Nebraska: Pleistocene; Arkansas, Illinois, Kansas, Nebraska, Oklahoma, Oregon.
Some citations under *C. occidentalis* probably belong here. The two species are not well distinguished among the living animals; still less well among the fossils.

Canis occidentalis Richardson.

Hay, O. P. 1902 A, 776.
Baker, F. C. 1920 A, 456 (This species?).
Conwentz, — 1900 A, 431 (C. lupus occ.).
Elliot, D. G. 1901 A, 300.
Frech, F. 1906 A, 483 ("wolf").
Freudenberg, W. 1910 A, 28, 30.
Gray, J. E. 1868 B, 501 (Lupus).
Grevé, C. 1891 A, 409.
Hay, O. P. 1914 A, 38 (This species?); 485, 486 (C. lupus).
1917 E, 60.
1918 C, 347 (This species?).
1923 A, 481.
1924 D, 375.
1927 D, 191, 192, 243.
1928 C, 425.
Huxley, T. H. 1880 D, 439.
Kandern, W. 1905 A, 467, figs. A, C, D.
McCornack, E. C. 1920 A, 23 (This species?).
Matthew, W. D. 1902 F, 320 (This species?).
1918 A, 226 (This species?).
Merriam, J. C. 1912 C, 251.
1918 B, 531.
Miller, G. S. 1912 B, 78.
1912 C, 2, 4.

Miller, G. S. 1924 C, 154.
Nathorst, A. G. 1901 A, 1.
Osborn, H. F. 1910 B, 460 (This species?).
Scott, W. B. 1913 A, 62, fig. 7 (This species?).
Seton, E. T. 1909 A, 749, map 42.
Shufeldt, R. W. 1913 B, 159, pl. x, fig. 25 (This species?).
Stock, C. 1925 A, 195.
Studer, Th. 1901 A, 9.

The citations given above probably refer to more than one species of large wolf. See *C. lycaon, C. nubilus.*

Recent; Plains of Saskatchewan to Arctic coast: Pleistocene; Arkansas, Nebraska, California, Oregon.

Canis ochropus Eschscholtz.

Eschscholtz, J. F. 1829, Zool. Atlas, III, 1.
Furlong, E. L. 1925 A, 139 (C. ocropus. This species?).
Hay, O. P. 1927 D, 184, 197, 223.
Merriam, C. H. 1897 B, 32.
Merriam and Stock 1925 A, 11 (This species?).
Miller, G. S. 1912 A, 81.
1924 C, 153.
Stock, C. 1918 A, 479.
1925 A, 113, 195.
1927 A, 156 (This species?).

Recent; San Joaquin Valley; California: Pleistocene (Hawver cave); California.

Canis orcutti Merriam, J. C.

Merriam, J. C. 1910 A, 391.
Abel, O. 1926 B, 237 (C. ochropus orcutti).
Hay, O. P. 1927 D, 184, 191.
Merriam, J. C. 1912 C, 255, pl. xxiv, fig. 2; figs. 34-40 (C. ochropus orcutti).
Merriam and Stock 1921 A, 567 (C. near ochropus).
1925 A, 10 (C. ochropus orcutti).
Miller, L. H. 1912 A, 78.
Osborn, H. F. 1925 D, 531 (C. ochropus orcutti).
Stock, C. 1925 A, 30 (C. ochropus orcutti).
Swarth, H. S. 1915 A, 17, 18 (C. ochropus orcutti).
Wyman, L. E. 1922 A, 23 (C. ochropus orcutti).

Pleistocene (Early); California.

Canis priscolatrans Cope.

Hay, O. P. 1902 A, 776.
Baker, F. C. 1920 A, 208, 215, 398.
Eaton, G. F. 1923 A, 233.
Freudenberg, W. 1910 A, 23, 30.
Haug, E. 1911 A, 1886.
Hay, O. P. 1923 A, 312, 322.
Osborn, H. F. 1910 B, 470.
Peterson, O. A. 1926 A, 283 (This species?).
Rhoads, S. N. 1903 A, 228.
Schlosser, M. 1902 H, 141.
Trouessart, E. L. 1904 A, 230.
Troxell, E. L. 1915 A, 628, 633, 634, fig. 19 (This species?).

Pleistocene (Early); Pennsylvania, Texas.

Canis riviveronis Hay.

Hay, O. P. 1917 E, 46, 59.
Baker, F. C. 1920 A, 374.
Bédé, P. 1921 A, 15 (C. riverans).
Hay, O. P. 1923 A, 382.
Sellards, E. H. 1916 C, 158, pl. xxviii, figs. 2, 7, 8; text-fig. 15 (C. latrans?).
1916 D, 617 (C. sp.).
1916 E, 17 (C. latrans?).
1916 F, 9 (C. sp.).

Pleistocene; Florida.

Canis robustus (J. A. Allen).

Hay, O. P. 1902 A, 776 (Pachycyon).
Allen, G. M. 1920 A, 452, 495, pls. vi, xi (Pachycyon).

Recent epoch; Virginia.

The skeleton described by Dr. J. A. Allen appears to be that of an Indian dog.

Canis texanus Troxell.

Troxell, E. L. 1915 A, 616, 627, 634, figs. 18, 20, 23.
Hay, O. P. 1924 D, 239.
1928 C, 425.
Matthew, W. D. 1924 C, 104 (This genus?).

Pleistocene; Texas.

Canis sp. indet.

Anderson, F. M. 1908 A, 35 ("wolf"). Pleistocene; California.
Condon, T. 1902 A, 123, pl. xix ("small dog").
Cooke, C. W. 1926 A, 445 ("dog"). Pleistocene; Florida.
Deussen, A. 1924 A, 110. Pleistocene (Lissie); Texas.
Dumble, E. T. 1894 A, 564. Pleistocene (Plains region); Texas.
Eaton, G. F. 1923 A, 233, fig. 6. Pleistocene; Mexico.
Ford, J. 1878 A, 305. Pleistocene (Loess); Alton, Illinois.
Frick, C. 1921 A, 341, fig. 45 (This genus?). Pliocene (Eden); California.
Gidley, J. W. 1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1917 E, 46, 62.
1923 A, 481. Pleistocene; Pennsylvania, Maryland, South Carolina, Florida.
1924 D, 375. Pleistocene; Kansas, Nebraska.
McCornack, E. C. 1920 A, 23.
Matthew, W. D. 1909 C, 114. Miocene (Middle); Colorado.
Merriam, J. C. 1906 A, 4, 5, fig. 1.
1919 A, 462, 527, fig. 9 (This genus?). Miocene (Barstow); California: Pliocene (Ricardo); California.
Merriam and Sinclair 1907 A, 196. Miocene (Mascall?); Oregon.
Osborn, H. F. 1910 B, 463. Pleistocene, Kansas: 490, Pleistocene; Alaska.
Putnam, F. W. 1899 A, 269 ("Indian dogs"). Pleistocene?
Quackenbush, L. S. 1909 A, 97, 127. Pleistocene; Alaska, Yukon.

Sinclair, W. J. 1903 A, 711 ("Lupus sp. nov. Merriam, J. C."). Pleistocene; California.

Stock, C. 1925 A, 21 (This genus?). Lower Pliocene (Eden); California.

ÆNOCYON Merriam, J. C. Type *Canis dirus* Leidy.

Merriam, J. C. 1918 B, 532.
Hay, O. P. 1926 E, 389.
Matthew, W. D. 1924 C, 122, fig. 28.
Moodie, R. L. 1922 C, 360.
Osborn, H. F. 1925 D, 532.

Ænocyon ayersi (Sellards).

Sellards, E. H. 1916 C, 152, 158, pl. xxiv; pl. xxx, figs. 1, 3 (Canis).
Chamberlin, R. T. 1916 A, 38 (Canis).
1917 A, 675 ("wolf").
Hay, O. P. 1920 B, 95, pl. iv, figs. 24-26 (This species?).
1923 A, 479.
1924 B, 259 ("dog").
1927 C, 281 ("dogs").
Merriam, J. C. 1918 B, 532.
Sellards, E. H. 1916 E, 15, 16, 23 (Canis).
1917 A, 249 (Canis).
1917 C, 76 (Canis).
1917 E, 198 ("wolf").
Simpson, G. G. 1928 H, 2, 9, figs. 5, 6 [Canis (Aenocyon)].
Pleistocene (Early); Florida, Tennessee.

Ænocyon dirus (Leidy).

Unless otherwise indicated the authors quoted refer this species to the genus *Canis*.

Leidy, J. 1858 E, 21.
Hay, O. P. 1902 A, 775 (C. dirus; C. indianensis).
Abel, O. 1926 B, 236 (Canis); 438 (Ænocyon).
Baker, F. C. 1920 A, 456 (Canis dirus, C. indianensis).
Bryan, W. A. 1927 A, 79, fig. ("dire wolf").
Collins, H. O. 1910 A, 6 ("wolf").
Cooper, J. G. 1875 A, 390 (C. indianensis).
Cope, E. D. 1894 H, 453, pl. xxi, figs. 14-16 (Canis indianensis).
Eaton, G. F. 1923 A, 233 (C. indianensis).
Freudenberg, W. 1910 A, 22, pl. vi, figs. 2-4 (C. indianensis).
1921 A, 138.
Frick, C. 1926 C, 444, fig. 2 (This species?).
Furlong, E. L. 1925 A, 139, 152.
Gilbert, J. Z. 1910 B, 26, figs. (Canis occidentalis).
Haug, E. 1911 A, 1887 (Canis indianensis).
Hay, O. P. 1912 D, 777, text-figs. 74-77.
1914 A, 484, text-figs. 139-142.
1917 D, 49.
1918 B, 26 (Canis).
1920 B, 95, 141, pl. v, figs. 3, 4.
1923 A, 479 (Ænocyon).
1926 F, 426 ("wolves").
1927 D, 301 (Ænocyon); 303 (Canis).
1928 C, 425.
Lydekker, R. 1913 A, 5 (Canis).
Matthew, W. D. 1913 D, 297, pl.
1914 E, 57, plate ("wolf").
1914 I, 46.
1916 D, 45, 2 figs.
1916 F, 471 ("wolf").
Merriam, J. C. 1903 B, 288, pl. xxx, fig. 2 (C. indianensis).
1906 D, 249 (C. indianensis).
1908 D, 468, fig. ("wolf").
1909 A, 293 (C. indianensis).
1909 C, 11, fig. ("wolf").
1911 F, 210, fig. 1 ("wolf").
1912 C, 218, pls. xxiv-xxviii; text-figs. 1-26.
1918 B, 532 (Ænocyon).
1918 D, 519 (Ænocyon).
Merriam and Stock 1921 A, 567.
1925 A, 10, 11.
Miller, L. H. 1909 B, 306 (C. indianensis).
1912 A, 70, 78 (C. indianensis).
1925 A, 309 ("Ænocyon").
Moodie, R. L. 1918 C, 278, fig. 21 (Canis).
1918 D, 507, figs. 32, 34-36 ("wolf").
1922 C, 361.
1923 B, 253, pl. liv.
Osborn, H. F. 1910 B, 477, 486 (C. indianensis).
1925 D, 528, 532, figs.
Peterson, O. A. 1926 A, 282.
Schuchert and Levene 1927 A, 341.
Scott, W. B. 1913 A, 204, 521; frontispiece.
Sellards, E. H. 1916 C, 153.
Sinclair, W. J. 1904 A, 17 (C. indianensis).
Stock, C. 1925 A, 30, 35, 113.
1927 A, 156 (This species?).
Stoner, R. C. 1913 A, 391 ("dire wolf").
Swarth, H. S. 1915 A, 16, fig. 7 (Canis).
Trouessart, E. L. 1904 A, 229 (Canis).
Troxell, E. L. 1915 A, 616, 632, figs. 16, 17.
Whitney, J. D. 1866 A, 162 ("wolf").
Wyman, L. E. 1922 A, 22, fig. 14.
Young and Cooper 1926 A, 5 ("wolf").
1927 A, 1, 2, 5, 6, fig. (Canis).
Zittel and Schlosser 1911 A, 390 (C. indianensis).
1923 A, 470, 680 (C. indianensis).
Pleistocene (Early and Middle); Indiana, California, Tennessee, Pennsylvania, Mexico.

Ænocyon milleri (Merriam).

Merriam, J. C. 1912 C, 247, figs. 27-31 (Canis).
Abel, O. 1926 B, 237.
Hay, O. P. 1927 D, 184, 191.
Merriam, J. C. 1918 B, 531.
Merriam and Stock 1925 A, 10.
Osborn, H. F. 1925 D, 531 [Canis (Ænocyon)].
Stock, C. 1925 A, 30.
Swarth, H. S. 1915 A, 17 (Canis).
Wyman, L. E. 1922 A, 23.
Pleistocene (LaBrea); California.

Ænocyon mississippiensis (Allen).

Allen, J. A. 1876 A, 49 (Canis).
Hay, O. P. 1902 A, 775 (Canis indianensis, in part).
Freudenberg, W. 1910 A, 23 (Canis).
Hay, O. P. 1914 A, 484 (Canis).
1923 A, 337.

Merriam, J. C. 1912 C, 218 (Canis dirus).
Trouessart, E. L. 1904 A, 229 (Syn. of Canis indianensis).
Troxell, E. L. 1915 A, 633, 634 (Canis).
It is possible that this species is identical with *Ænocyon dirus*.
Pleistocene; Lead region of Illinois, Iowa, and Wisconsin.

Ænocyon sp. indet.

Hay, O. P. 1927 D, 171, 172 (This genus?).
Pleistocene; California.

Vulpes Fritsch.

Fritsch, J. L. 1775, Natur-Syst. vierfüss. Thiere, Tab. Gen.
Hay, O. P. 1902 A, 775 (Canis, in part).
Allen, J. A. 1892 A.
1902 E, 375.
1903 A.
Altmann, F. 1925 A, 108.
Anderson, R. J. 1902 A, 1121.
1902 B, 369, fig.
1905 A, 328.
Arldt, T. 1907 D, 302, 317.
Beddard, F. E. 1902 A, 417.
Beyer, H. 1908 A, 96 ("fuchs").
Birula, A. A. 1913 A, 248, pls. viii-x.
Brandt and Woldrich 1887 A, 42.
Brown, H. G. 1848 B, 1373.
Caush, D. E. 1904 A, 164, fig. 4 ("fox").
Depéret, C. 1909 A, 141.
Doran, A. H. G. 1878 A, 395, pl. lix.
Dubois, E. 1922 A, 319 (Canis vulpes).
Eimer, G. H. T. 1901 A, 258 ("fuchs").
Elliot, D. G. 1901 A, 303.
Geike, J. 1914 A, 322 ("fox").
Geinitz, E. 1903 A.
1904 A (Canis).
Gidley, J. W. 1913 B, 102.
Grant, M. 1904 B, 194.
Gray, J. E. 1868 B, 495, 515.
Grevé, C. 1891 A, 418 (Canis).
Hasse and Schwarck 1870 A, 97 (Canis vulpes).
Hensel, R. 1879 A, 549 ("fuchs").
Hue, E. 1907 A, pls. xxxiv, lxxvii, lxxxi, xcvi, cx, cxxiv, cxxxiv, cxlvii, clxii, clxxvii.
Huxley, T. H. 1880 D, 407, 453.
Klatt, B. 1912 A, 154 ("fuchs").
Lockington, W. N. 1884 A, 411.
Lönnberg, E. 1916 A, 1, 2 figs.
Lull, R. S. 1922 C, 603.
Matthew, W. D. 1915 K, 402.
1918 A, 188.
1924 C, 122, fig. 28.
Merriam, C. H. 1892 A, 62.
1900 A, 661.
Miller, G. S. 1912 B, 82.
1923 A, 9, pl. ii, fig. 1; pl. iii, fig. 4.
1924 C, 143.
Nehring, A. 1880 A (Canis).
Noack, T. 1910 A, 457.
Osborn, H. F. 1909 D, 89, 90.
1910 B, 635.
1915 B, 205.
1916 B, 545.
Pocock, R. I. 1914 B, 925.
Pohl, L. 1911 A, 138.
Retzius, A. 1849 A, 627, fig. 5 (Canis).
Scharff, R. F. 1895 A, 441 (Canis).
Schlosser, M. 1903 I, 209, 211.
1906 A, 25.
Schmidt, O. 1886 A, 261, fig. 48 ("fox").
Scott, W. B. 1913 A, 149, 150, 158, 517.
1917 A, 32.
Serres, M. 1835 A, 244 ("fox").
Taschenberg, O. 1899 A, 4704.
Trouessart, E. L. 1904 A, 235.
Virchow, H. 1907 A, 46 ("fuchs").
1917 B, 321, figs. 1-9, 12 ("fuchs").
Weber and Abel 1928 A, 325.
Winge, H. 1924 A, 193.
Zittel and Schlosser 1911 A, 390.
1923 A, 470.

Vulpes cascadensis C. H. Merriam.

Merriam, C. H. 1900 A, 665, pl. xxxvi, fig. 3.
Freudenberg, W. 1910 A, 30.
Hay, O. P. 1927 D, 314 (V. cascadensis); 243 (V. pennsylvanicus).
Matthew, W. D. 1902 F, 320 (V. pennsylvanicus?).
Merriam and Stock 1925 A, 10.
Miller, G. S. 1912 B, 83.
1924 C, 144.
Miller, L. H. 1912 A, 70.
Osborn, H. F. 1910 B, 477.
Sinclair, W. J. 1903 A, 711.
1904 A, 17.
Stock, C. 1925 A, 113.
Recent; Oregon, Washington, California: Pleistocene (caves); California.

Vulpes fulva (Desmarest).

Desmarest, A. G. 1822 A (1820), 1, 203 (Canis).
Brown, B. 1908 A, 182 (This species?).
Elliot, D. G. 1901 A, 304 (V. pennsylvanica).
Fischer, J. B. 1829 A, 191 (Canis).
Freudenberg, W. 1910 A, 28 (V. pennsylvanicus?).
Gray, J. E. 1868 B, 518 (V. pennsylvanica).
Grevé, C. 1891 A, 419 (Canis).
Hay, O. P. 1914 A, 32.
1917 E, 58.
1923 A, 299.
1924 D, 252.
1927 D, 192.
Hrdlička, A. 1903 A, 372 (V. fulvus).
Lockington, W. N. 1884 A, 413 ("red fox").
Lockwood, S. 1884 A, 353, fig. 172.
Merriam, C. H. 1900 A, 663, pl. xxxvii.
Miller, G. S. 1912 B, 82.
1924 C, 144.
Miller, L. H. 1912 A, 81 (Canis pennsylvanicus?).

Stock, C. 1925 A, 195 (This species?. V. pennsylvanicus).
Recent; northeastern United States: Pleistocene; Arkansas, Nebraska.
All references of fox remains found west of the Alleghany Mountains to this species are of doubtful correctness.

Vulpes latidentata Cope.

Hay, O. P. 1902 A, 775 (Canis).
Baker, F. C. 1920 A, 208, 215, 398 (Canis).
Freudenberg, W. 1910 A, 30.
Hay, O. P. 1917 E, 58.
1923 A, 312, 314 (Urocyon, *errore*).
Rhoads, S. N. 1903 A, 229.
Schlosser, M. 1902 H, 141.
Trouessart, E. L. 1904 A, 238.
Pleistocene (Early); Pennsylvania.

Vulpes palmaria Hay.

Hay, O. P. 1917 E, 46, 57.
Baker, F. C. 1920 A, 374 (V. palmoria).
Hay, O. P. 1923 A, 382.
1927 D, 274.
Loomis, F. B. 1924 C, 506.
Sellards, E. H. 1916 C, 132, 152, 158, pl. xxx, fig. 4 (V. pennsylvanicus?).
1916 D, 617 (V. pennsylvanicus?).
1916 E, 17 (V. sp.).
1916 F, 7, 9 (V. pennsylvanicus?).
Pleistocene (Early); Florida.

Vulpes sp. indet.

Furlong, E. L. 1904 A, 54.
1906 A, 243. Pleistocene (Samwel Cave); California.
Hay, O. P. 1923 A, 350 (This genus?). Pleistocene; Maryland.
1927 D, 214, Pleistocene; California.
Miller, L. H. 1912 A, 73. Pleistocene (Samwel Cave); California.

Urocyon Baird. Type *Canis cinereoargenteus* Schreber.

Baird, S. F. 1857 A, 121, 138.
Allen, J. A. 1892 A.
Elliot, D. G. 1901 A, 307.
Grant, M. 1904 B, 194.
Gray, J. E. 1868 B, 495.
Gregory, W. K. 1921 A, 77.
Ihering, H. 1910 A, 164.
Kingsley, J. S. 1925 A, 210, fig. 222.
Matthew, W. D. 1915 K, 402.
1918 A, 189.
Merriam, C. H. 1892 A, 61.
Merriam, J. C. 1906 A, 9.
Miller, G. S. 1912 B, 85.
1924 C, 147.
Osborn, H. F. 1909 D, 89, 90.
1910 B, 477, 488, 528.
Palmer, T. S. 1904 A, 701, 826.
Scott, W. B. 1913 A, 162, 165, 517.
Trouessart, E. L. 1904 A, 239.

Urocyon californicus (Mearns).

Mearns, E. A. 1897, Proc. U. S. Nat. Mus., xx, 459 (U. cinereoargenteus californicus).
Abel, O. 1926 B, 237.
Hay, O. P. 1927 D, 184, 191.
Merriam, J. C. 1912 C, 262, fig. 43.
Merriam and Stock 1925 A, 10.
Miller, G. S. 1912 B, 85.
1924 C, 147.
Osborn, H. F. 1925 D, 531.
Stock, C. 1925 A, 30.
1927 A, 156 (This species?).
Swarth, H. S. 1915 A, 18.
Wyman, L. E. 1922 A, 23.
Recent; Southern California: Pleistocene (La Brea); California.

Urocyon californicus townsendi Merriam, C. H.

Merriam, C. H. 1899, N. A. Fauna, No. 16, 103.
Elliot, D. G. 1901 A, 309 (U. townsendi).
Furlong, E. L. 1904 A, 55 (U. townsendi).
1906 A, 245 (U. townsendi).
Hay, O. P. 1927 D, 214, 215 (U. cinereoargenteus townsendi).
Merriam and Stock 1925 A, 10 (U. cinereoargenteus townsendi).
Miller, G. S. 1912 B, 86.
1924 C, 147.
Miller, L. H. 1912 A, 70, 73 (U. townsendi).
Osborn, H. F. 1910 B, 477 (U. townsendi).
Sinclair, W. J. 1903 A, 711 (U. townsendi).
1904 A, 17 (U. townsendi).
Stock, C. 1925 A, 113 (U. cinereoargenteus townsendi).
Recent; northern California: Pleistocene; California.

Urocyon cinereoargenteus (Schreber).

Schreber, J. C. D. 1775, Säugethiere, III, pl. xcii (Canis).
Hay, O. P. 1902 A, 775 (Canis cinereoargentatus).
Baker, F. C. 1920 A, 208, 215, 354 (Canis cinereoargentatus); 474 (Urocyon cinereoargentatus).
Cope, E. D. 1895 G, 596 (Vulpes virginianus).
Elliot, D. G. 1901 A, 307.
Fischer, J. B. 1829 A, 191 (Canis).
Foote, J. S. 1916 A, 145, pl. xx ("greyfox").
Frech and Geinitz 1903 A (Canis).
Freudenberg, W. 1910 A, 28, pl. v, figs. 1, 12; pl. vii, figs. 5, 6 (U. cinereoargentatus).
1921 A, 138 (U. cinereoargentatus).
1922 A, 4 (U. cinereoargentatus).
Giebel, C. G. 1883 A, pl. xii (Canis cinereoargentatus).
Gray, J. E. 1868 B, 522 (U. virginianus).
Grevé, C. 1891 A, 421 (Canis virginianus).
Hay, O. P. 1923 A, 498.
Huxley, T. H. 1880 D, 416, 426, 454 (Canis, Vulpes).
Leidy, J. 1889 H, 18 (Vulpes virginianus).

Lockington, W. N. 1884 A, 411 (Vulpes cinereoargentatus).
Mercer, H. C. 1894 A, 97 ("grayfox").
Miller, G. S. 1912 B, 86.
1924 C, 147.
Rhoads, S. N. 1903 A, 229.
Recent (Type form); eastern North America: Pleistocene; Pennsylvania, Illinois, Mexico?.

Urocyon sp. indet.

Brown, B. 1908 A, 183. Pleistocene (Middle); Arkansas.
Freudenberg, W. 1910 A, 30. Pleistocene; Arkansas.
Gidley, J. W. 1927 E, 274.
Hay, O. P. 1914 A, 32.
1924 D, 252. Pleistocene; Arkansas.
1927 D, 274. Pleistocene; Florida.
Osborn, H. F. 1910 B, 488. Pleistocene (Middle); Arkansas.
Simpson, G. G. 1928 H, 2 (This genus?). Pleistocene (Early); Florida.

SIMOCYONINÆ Trouessart.

Trouessart, E. L. 1897 A, 291.
Hay, O. P. 1902 A, 770.
Beddard, F. E. 1902 A, 423.
Matthew, W. D. 1907 A, 181.
1924 C, 122, fig. 28.
Merriam, J. C. 1908 A, 32.
Osborn, H. F. 1910 B, 529 ("Cyon or dhole-like group").
Trouessart, E. L. 1904 A, 221.
Zittel, K. A. 1893 B, 632.

ICTICYON Lund. Type not selected.

Lund, P. W. 1843, Overs. k. Danske Vid. Selsk. Forh., Kjöbenh. 1842 (1843), No. 6, 80.
Frick, C. 1926 A, 17.
Matthew, W. D. 1902 C, 285, 286.
1907 A, 180, 181, 192.
1915 A, 217.
1924 C, 120.
Matthew and Cook 1909 A, 377.
Nicholson and Lydekker 1889 A, 1436.
Osborn, H. F. 1910 B, 296, 529.
Palmer, T. S. 1904 A, 347, 824.
Scott, W. B. 1913 A, 683.
Trouessart, E. L. 1904 A, 341.
Winge, H. 1924 A, 194, 243, 248 (Ictidocyon).
Zittel, K. A. 1893 B, 631.

Icticyon? sp. indet.

Matthew, W. D. 1902 C, 285 (Cyon? or Icticyon?).
1909 C, 114.
Miocene (Middle); Colorado.

CUON Hodgson. Type *C. primævus* Hodgson.

Hodgson, B. H. 1838, Ann. Nat. Hist., 1, 152.
Agassiz, L. 1846, Nomencl. Zoolog. 1st ed. 108 (Cuon); 113 (Cyon).
Blanford, W. T. 1888, Fauna Brit. India Mamm., pt. i, 142-147 (Cyon).
Matthew, W. D. 1904 C, 249 (Cyon).
1907 A, 180, 181, 192 (Cyon).
1909 C, 118 (Cyon? or Icticyon?).
1915 A, 219, 266 (Cyon?).
Matthew, W. D. 1924 C, 120, 122, fig. 28 (Cyon).
Osborn, H. F. 1910 B, 296, 529 (Cyon).
Studer, Th. 1901 A, 7.

Cuon sp. indet.

Barbour and Cook 1917 A, 172 (Cyon sp. indet); Miocene (Devil's Gulch); Nebraska.
Matthew, W. D. 1909 C, 114 ("Cyon or Ictocyon sp."). Miocene (Middle); Colorado.

DAPHŒNUS Leidy. Type *D. vetus* Leidy.

Hay, O. P. 1902 A, 772.
Beddard, F. E. 1902 A, 424 (Daphænus).
Frick, C. 1926 A, 6 (Daphænus).
Gregory, W. K. 1920 A, 149, fig. 80.
Hatcher, J. B. 1902 F, 66, 105 (Daphœnus); 95, 105 (Proamphicyon, type P. nebrascensis); 99, 105 (Protemnocyon, type P. inflatus).
Haug, E. 1911 A, 1528 (Daphænus).
Jepsen, G. L. 1926 A, 1.
Lydekker, R. 1904 C, 62, fig. 2 (Daphænus).
Matthew, W. D. 1901 B, 369, 370, 445 (Daphænus).
1902 C, 286.
1903 D, 912 (Daphænus, Protemnocyon, Proamphicyon).
1906 C, 214, 216, text-fig. 6 (Daphænus).
1907 A, 181, 192, 200 (Daphænus).
1909 C, 110 (Daphænus).
1909 D, 353 (Daphænus).
1912 B, 182.
Matthew, W. D. 1915 A, 219 (Daphænus).
1915 K, 420 (Daphænus).
1918 A, 190 (Proamphicyon a syn.).
1924 C, 106, 109, 114, 116, 119, 122.
1924 E, 748.
1928 B, 974, fig. 13.
Merriam, J. C. 1906 A, 27, 58, 59 (Daphœnus); 28, 58 (Protemnocyon); 59 (Proamphycyon).
Moodie, R. L. 1916 E, 135, fig. 5 (Daphænus).
1922 C, 360 (Daphænus).
1923 B, 246 (Daphænus).
O'Harra, C. C. 1910 A, 79, 146.
Osborn, H. F. 1907 G, 139, fig. 96.
1909 D, 61, 63 (Daphænus).
1910 B, 213, 222, 529, fig. 109 (Daphænus).
Palmer, T. S. 1904 A, 216, 824 (Daphœnus); 579, 825 (Protemnocyon).
Peterson, O. A. 1910 A, 261 (Protemnocyon, Proamphicyon).
Pohle, H. 1920 A, 48 (Daphænus).

Romer, A. S. 1924 B, 235, fig. 1.
Schlosser, M. 1898 I, 516 (Daphænus).
1902 A, 136, 138 (Daphænus).
1902 B, 297 (Daphænus).
1904 B, 449 (Daphænus).
Scott, W. B. 1913 A, 679.
Sinclair, W. J. 1924 A, 106.
Stromer, E. 1902 A, 238, 270 (Daphænus).
1902 B, 561 (Daphænus).
Thorpe, M. R. 1922 C, 166, 173.
1922 D, 375.
Trouessart, E. L. 1904 A, 217 (Daphænus).
Weber, M. 1904 A, 542.
Weber and Abel 1928 A, 340 (Daphænus).
Winge, H. 1924 A, 177, 193, 243.
Wortman, J. L. 1901 A, 202 (Daphænus).
1901 B, xi, 339, 448.
Zittel and Schlosser 1911 A, 386 (Protemnocyon); 388 (Daphænus).
1923 A, 468 (Daphænus); 467 (Protemnocyon).

Daphœnus dodgei Scott.

Hay, O. P. 1902 A, 772.
Cook, H. J. 1912 D, 34.
Hatcher, J. B. 1902 F, 95 (Daphænus).
Matthew, W. D. 1909 C, 103 (Daphænus).
O'Harra, C. C. 1920 A, 149.
Schlosser, M. 1904 B, 449 (Daphænus).
Trouessart, E. L. 1904 A, 217 (Daphænus).
Wortman, J. L. 1901 B, xi, 449, 450.
Oligocene (Chadron); Nebraska.

Daphœnus felinus Scott.

Hay, O. P. 1902 A, 772.
Anonymous 1910 A, 197.
Cook, H. J. 1912 D, 36.
Giebel, C. G. 1883 A, pl. li (Dinictis).
Hatcher, J. B. 1902 F, 65, 68, pl. xiv; pl. xvi, figs. 2-5; pl. xvii; pl. xviii, figs. 1, 4, 5; pls. xix, xx; text-figs. 1, 3-5 (Daphænus).
1903 C, 570.
Lambe, L. M. 1908 A, 11, 62, pl. viii, figs. 15, 16 (Daphænus).
Matthew, W. D. 1903 D, 912 (Daphænus).
1909 C, 105 (Daphænus).
Merriam, J. C. 1906 A, 27.
Moodie, R. L. 1916 E, 141 (Daphænus).
1918 C, 279 (Daphænus).
1918 D, 506, figs. 38, 39 (Daphænus).
1922 C, 359 (Daphænus).
1923 B, 247, 272, pl. liii (Daphænus).
O'Harra, C. C. 1910 A, 80, pl. xxv.
1920 A, 151, pl. xiii.
Peterson, O. A. 1909 B, 621.
1910 A, 208.
Romer, A. S. 1924 B, 235, fig. 1.
Scott, W. B. 1913 A, 523, 524, figs. 256, 257 (Daphænus).
Sinclair, W. J. 1924 A, 108.
Trouessart, E. L. 1904 A, 217 (Daphænus).
Oligocene (White River); South Dakota.

Daphœnus hartshornianus (Cope).

Hay, O. P. 1902 A, 772.
Cook, H. J. 1912 D, 36.
Cope, E. D. 1884 O, 896, 906, pl. lxx, fig. 12 (Amphicyon).
Hatcher, J. B. 1902 F, 65.
Lambe, L. M. 1908 A, 11, 63, pl. vii, figs. 17-20 (Protemnocyon).
Lydekker, R. 1884 A, 247 (Amphiycon).
Matthew, W. D. 1901 B, 357 (Daphænus).
1909 C, 105 (Daphænus).
Merriam and Sinclair 1907 A, 184 (Amphicyon).
O'Harra, C. C. 1920 A, 151.
Osborn, H. F. 1921 D, 3, fig. 2.
Romer, A. S. 1924 B, 235, fig. 1.
Sinclair, W. J. 1924 A, 101, 108, 111.
Thorpe, M. R. 1922 E, 429.
Trouessart, E. L. 1904 A, 217 (Daphænus).
Oligocene (Brule); Colorado, Nebraska.

Daphœnus inflatus (Hatcher).

Hatcher, J. B. 1902 F, 99, pl. xv; pl. xviii, figs. 6-8 (Protemnocyon).
Cook, H. J. 1912 D, 36.
Matthew, W. D. 1909 C, 105.
O'Harra, C. C. 1920 A, 151.
Trouessart, E. L. 1904 A, 218 (Protemnocyon).
Middle Oligocene (Brule); South Dakota, Nebraska, etc.

Daphœnus nebrascensis (Hatcher).

Hatcher, J. B. 1902 F, 95, figs. 6, 7 (Proamphicyon).
Cook, H. J. 1912 D, 36.
Matthew, W. D. 1909 C, 105 (Daphænus).
O'Harra, C. C. 1920 A, 151.
Sinclair, W. J. 1924 A, 107, 108 (Proamphicyon).
Trouessart, E. L. 1904 A, 218 (Proamphicyon).
Middle Oligocene (Brule); South Dakota, Nebraska.

Daphœnus robustus Scott.

Hay, O. P. 1902 A, 772.
Trouessart, E. L. 1904 A, 217 (Daphænus).
Oligocene (White River); Colorado.

Daphœnus vetus Leidy.

Hay, O. P. 1902 A, 772.
Cook, H. J. 1912 D, 36 (D. vitus).
Hatcher, J. B. 1902 F, 65.
Matthew, W. D. 1901 B, 357 (Daphænus).
1909 C, 105 (Daphænus).
Merrill, G. P. 1907 A, 32 (Amphicyon, Daphœnus).
O'Harra, C. C. 1920 A, 151.
Romer, A. S. 1924 B, 235, fig. 1.
Schlosser, M. 1904 B, 449.
Sinclair, W. J. 1924 A, 101, figs. 2-4.
Thorpe, M. R. 1922 E, 428.
1923 D, 98, figs. 3, 4.
Trouessart, E. L. 1904 A, 217 (Daphænus).
Wortman, J. L. 1901 B, xi, 448, 450, pl. ii.
Oligocene (Middle); Nebraska, Colorado.

Daphœnus sp. indet.

Matthew, W. D. 1909 C, 103 (Daphænus).
Oligocene (Lower); Montana?

PARADAPHÆNUS Matthew. Type *Canis cuspigerus* Cope.

Hay, O. P. 1902 A, 772.
Matthew, W. D. 1909 C, 110.
1924 C, 122, 128, fig. 28.
Merriam, J. C. 1906 A, 58, 59.
Palmer, T. S. 1904 A, 512, 825.
Peterson, O. A. 1910 A, 260 (Paradaphœnus).
Schlosser, M. 1902 A, 136.
Thorpe, M. R. 1922 C, 166, 173.
Wortman, J. L. 1901 A, 201.
Zittel and Schlosser 1911 A, 388.
1923 A, 468.

Paradaphænus cuspigerus (Cope).

Hay, O. P. 1902 A, 772.
Lydekker, R. 1884 A, 247 (Amphicyon cuspigerus, A. entoptychi).
Matthew, W. D. 1909 C, 106.
Merriam, J. C. 1906 A, 5.
Merriam and Sinclair 1907 A, 184.
Seeley, H. G. 1886 A, 517 (Amphicyon).
Upper Oligocene (John Day); Oregon.

Paradaphænus transversus Wortman and Matthew.

Hay, O. P. 1902 A, 772.
Matthew, W. D. 1909 C, 106.
Thorpe, M. R. 1922 C, 166.
Upper Oligocene (John Day); Oregon.

TEMNOCYON Cope. Type *T. altigenis* Cope.

Hay, O. P. 1902 A, 773.
Cook, H. J. 1909 D, 262.
Cope, E. D. 1880 U, 156.
Haug, E. 1911 A, 1705.
Heilprin, A. 1887 A, 388.
Lydekker, R. 1908 A, 506.
Matthew, W. D. 1902 C, 286.
1903 D, 913.
1904 C, 249.
1907 A, 180, 181, 192.
1909 C, 110.
1924 C, 103, 119, 122, fig. 28.
1924 E, 748.
Merriam, J. C. 1906 A, 24, 27, 58, 59.
Osborn, H. F. 1905 I, 103.
1909 D, 68.
1910 B, 230, 529.
1912 G, 246.
Palmer, T. S. 1904 A, 668, 826.
Peterson, O. A. 1910 A, 259.
Pilgrim, G. E. 1912 A, 14.
Schlosser, M. 1898 I, 514.
1902 A, 135, 136.
1902 B, 299.
1903 I, 26, 176, 211.
1904 B, 449.
Scott, W. B. 1913 A, 528, 530.
Seeley, H. G. 1886 A, 517.
Stromer, E. 1902 B, 554, 561.
Thorpe, M. R. 1922 D, 375.
Weber, M. 1904 A, 542.
Winge, H. 1924 A, 177, 193, 243.
Wortman, J. L. 1901 B, xi, 450.
Zittel and Schlosser 1911 A, 387.
1923 A, 467.

Temnocyon altigenis Cope.

Hay, O. P. 1902 A, 773.
Cook, H. J. 1909 D, 264.
Matthew, W. D. 1903 D, 913.
1909 C, 107.
Merriam, J. C. 1906 A, 4, 5, 21, 25, 26, 29, pl. iii, fig. 2; text-figs. 7-11.
Merriam and Sinclair 1907 A, 184, 188, 189, 191, 192.
Schlosser, M. 1898 I, 515.
Thorpe, M. R. 1922 C, 167.
Upper Oligocene (John Day); Oregon.

Temnocyon ferox Eyerman.

Hay, O. P. 1902 A, 773.
Condon, T. 1896 A, 12, pl. small fig. (Canis shoshonensis).
1902 A, 123, pl. xviii, small fig. (Canis shoshonensis).
1910 A, 103, pl. xviii, small fig. (Canis shoshonensis, Temnocyon ferox).
Matthew, W. D. 1903 D, 913.
1909 C, 107.
Merriam, J. C. 1906 A, 4, 5, 22, 29.
Merriam and Sinclair 1907 A, 184, 191, 192.
Schlosser, M. 1898 I, 515.
Trouessart, E. L. 1904 A, 218.
Upper Oligocene (John Day); Oregon.

Temnocyon percussor Cook.

Cook, H. J. 1909 D, 266, fig. 3.
1912 D, 40.
O'Harra, C. C. 1920 A, 155.
Lower Miocene (Harrison); Nebraska.

Temnocyon venator Cook.

Cook, H. J. 1909 D, 262, figs. 1, 2.
1912 D, 40.
O'Harra, C. C. 1920 A, 155.
Lower Miocene (Harrison); Nebraska.

Temnocyon wallovianus Cope.

Hay, O. P. 1902 A, 773.
Cook, H. J. 1909 D, 264.
Matthew, W. D. 1909 C, 107.
Merriam, J. C. 1906 A, 5, 23, 29.
Merriam and Sinclair 1907 A, 184.
Schlosser, M. 1898 I, 515.
Trouessart, E. L. 1904 A, 218.
Upper Oligocene (John Day); Oregon.

Temnocyon sp. indet.

Barbour and Cook 1917 A, 172. Pliocene (Snake Creek); Nebraska.

EUOPLOCYON Matthew. Type *E. prædator* Matthew.

Matthew, W. D. 1924 C, 103, 109, 122.

Euoplocyon prædator Matthew.

Matthew, W. D. 1924 C, 65, 71, 103, fig. 28.
1902 C, 285 ("Cyon?").
Upper Miocene (Lower Snake Creek); Nebraska.

Euoplocyon magnus (Thorpe).

Thorpe, M. R. 1922 E, 440, figs. 9-11 (Ælurodon taxoides magnus).
Matthew, W. D. 1924 C, 104 (To Euoplocyon).
Upper Miocene (Valentine); Nebraska.

Euoplocyon sp. indet.

Matthew, W. D. 1924 C, 71. Upper Miocene (Pawnee Creek); Colorado.

ENHYDROCYON Cope. Type *E. stenocephalus* Cope.

Hay, O. P. 1902 A, 770 (Enhydrocyon, Hyænocyon).
Beddard, F. E. 1902 A, 423.
Matthew, W. D. 1904 C, 249 (Enhydrocyon, Hyænocyon).
1907 A, 170, 174, 180, 181, 189, 190 (Hyænocyon a syn.).
1909 C, 111, 118.
1924 C, 103, 109, 119, 122, fig. 28.
1924 E, 748.
Merriam, J. C. 1906 A, 33, 58, 59 (Enhydrocyon, Hyænocyon).
O'Harra, C. C. 1910 A, 80, 130.
Osborn, H. F. 1909 D, 75.
1910 B, 230, 236, 529.
Palmer, T. S. 1904 A, 259, 824 (Enhydrocyon); 333, 824 (Hyænocyon).
Peterson, O. A. 1910 A, 260 (Enhydrocyon, Hyænocyon).
Pilgrim, G. E. 1912 A, 13.
Schlosser, M. 1902 A, 135, 137 (Enhydrocyon, Hyænocyon).
1902 B, 299.
Scott, W. B. 1913 A, 528, 530.
Seeley, H. G. 1886 A, 517.
Thorpe, M. R. 1922 D, 375.
Weber, M. 1904 A, 542 (Enhydrocyon, Hyænocyon).
Wortman, J. L. 1901 B, XI, 449 (Enhydrocyon, Hyænocyon).
Zittel and Schlosser 1911 A, 388.
1923 A, 469.

Enhydrocyon basilatus Cope.

Hay, O. P. 1902 A, 770 (Hyænocyon).
Matthew, W. D. 1907 A, 190.
1909 C, 107.
Merriam, J. C. 1906 A, 5 (Hyænocyon).
Merriam and Sinclair 1907 A, 184 (Hyænocyon).
Trouessart, E. L. 1904 A, 222 (Hyænocyon).
Oligocene (John Day); Oregon.

Enhydrocyon crassidens Matthew.

Matthew, W. D. 1907 A, 171, 190, figs. 6, 7.
1909 C, 112.
O'Harra, C. C. 1920 A, 155.
Thorpe, M. R. 1922 C, 175.
Miocene (Lower); South Dakota.

Enhydrocyon oregonensis Thorpe.

Thorpe, M. R. 1922 C, 173, figs. 4, 5.
Upper Oligocene (Middle John Day); Oregon.

Enhydrocyon sectorius Cope.

Hay, O. P. 1902 A, 770 (Hyænocyon).
Matthew, W. D. 1907 A, 189, 190.
1909 C, 107.
Merriam, J. C. 1906 A, 5 (Hyænocyon).
Merriam and Sinclair 1907 A, 184 (Hyænocyon).
Oligocene (Upper); Oregon.

Enhydrocyon stenocephalus Cope.

Hay, O. P. 1902 A, 770.
Matthew, W. D. 1907 A, 189.
1909 C, 107.
Merriam, J. C. 1906 A, 5.
Merriam and Sinclair 1907 A, 184.
Sternberg, C. 1881 C, 416.
1909 C, 189.
Thorpe, M. R. 1922 C, 174.
Trouessart, E. L. 1904 A, 221.
Oligocene (John Day); Oregon.

ARÆOCYON Thorpe. Type *Pliocyon marshi* Thorpe.

Thorpe, M. R. 1922 A, 97 (To replace *Pliocyon*, preoccupied).
Matthew, W. D. 1924 C, 102.
Merriam, Stock, Moody 1925 A, 47.
Thorpe, M. R. 1922 D, 371.

Aræocyon marshi Thorpe.

Thorpe, M. R. 1921 C, 477, figs. 1-3 (Pliocyon).
1922 A, 97.
1922 D, 371.
Pliocene (Rattlesnake); Oregon.

PHILOTROX Merriam, J. C. Type *P. condoni* Merriam.

Merriam, J. C. 1906 A, 30, 59.
Matthew, W. D. 1907 A, 181.
1909 C, 110.
1924 C, 109, 120.
Osborn, H. F. 1909 D, 68.
Peterson, O. A. 1910 A, 260.
Zittel and Schlosser 1911 A, 387 (Philothrax).
1923 A, 467 (Philothrax).

Philotrox condoni Merriam.

Merriam, J. C. 1906 A, 4, 5, 30, figs. 12-14.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 184, 188, 189.
Thevenin, A. 1907 A, 216 (Philothrox coudoni).
Thorpe, M. R. 1922 C, 165.
Upper Oligocene (Middle John Day); Oregon.

AMPHICYONINÆ.

Arldt, T. 1912 A, 748.
Frick, C. 1926 A, 7, 13.
Matthew, W. D. 1907 A, 181.
1909 D, 401, 415, 416.
1915 A, 219.
1924 C, 115, 116, 122, fig. 28.
Osborn, H. F. 1909 D, 77.
Trouessart, E. L. 1904 A, 218.
Weber and Abel 1928 A, 328.
Zittel, K. A. 1893 B, 635 (Amphicyoninæ).
Zittel and Schlosser 1911 A, 387.
1923 A, 467, 668, 670.

PLIOCYON Matthew. Type *P. medius* Matthew.

Matthew, W. D. 1918 A, 190.
Frick, C. 1926 A, 35 (Syn. of Hemicyon, in part).
Matthew, W. D. 1924 C, 106, 113, 114, 116, 122, 127, fig. 28.
Stock and Furlong 1926 A, 45.
Zittel and Schlosser 1923 A, 468, 679.

Pliocyon gidleyi (Matthew).

Matthew, W. D. 1902 A, 130, figs. 1-4 (Dinocyon).
Gidley, J. W. 1903 C, 634 (Dinocyon).
Matthew, W. D. 1902 C, 290 (Dinocyon ?, Borophagus ?).
1909 C, 155 (Dinocyon).
1924 C, 105, 116 [Pliocyon (Dinocyon)].
Osborn, H. F. 1904 F, 22 (Dinocyon).
Stock and Furlong 1926 A, 45 (Pliocyon, Dinocyon).
Trouessart, E. L. 1904 A, 219 (Dinocyon).
Miocene (Clarendon); Texas.

Pliocyon meandrinus (Hatcher).

Hay, O. P. 1902 A, 774 (Ælurodon).
Gidley, J. W. 1903 C, 634 (Dinocyon).
Matthew, W. D. 1902 A, 130 (Canis); 132 (Dinocyon).
1902 C, 289 [Dinocyon ? (Borophagus)].
1904 C, 252 (Ælurodon ?).
1909 C, 115.
1924 C, 114 (P. mæandrinus).
Merriam, J. C. 1917 A, 438 (Dinocyon).
Stock and Furlong 1926 A, 45, 49 (Ælurodon).
Trouessart, E. L. 1904 A (Dinocyon).
Miocene (Upper); Nebraska, Kansas, Texas.

Pliocyon medius Matthew.

Matthew, W. D. 1918 A, 185, 192, fig. 2.
Frick, C. 1926 A, 42.
Matthew, W. D. 1924 C, 65, 106, 113, 114, 116.
Stock and Furlong 1926 A, 48.
Upper Miocene (Lower Snake Creek); Nebraska.

Pliocyon sp. indet.

Matthew, W. D. 1918 A, 185 ("P. sp. max.").
Pliocene (Upper Snake Creek); Nebraska.
1924 C, 65.

HADROCYON Stock and Furlong. Type *H. mohavensis* Stock and Furlong.

Stock and Furlong 1926 A, 45, 51.
Furlong, E. L. 1927 A, 174.

Hadrocyon mohavensis Stock and Furlong.

Stock and Furlong 1926 A, 45, pls. vii, viii.
Stock, C. 1928 D, 43, pl. i, fig. *a* ("Hadrocyon").
Pliocene (Ricardo); California.

DAPHŒNODON Peterson. Type *Amphicyon superbus* Peterson.

Peterson, O. A. 1909 B, 620.
Matthew, W. D. 1912 B, 182.
1918 A, 192, 194.
1924 C, 106, 114, 115, 122, fig. 28.
Moodie, R. L. 1916 E, 142.
1923 B, 246 (Daphænodon).
Osborn, H. F. 1910 B, 236, 529.
Peterson, O. A. 1910 A, 258.
Scott, W. B. 1913 A, 525, 526, 530.
Zittel and Schlosser 1911 A, 388 (Syn. of Daphœnus).
1923 A, 468 (Syn. of Daphœnus).

Daphœnodon periculosus Cook.

Cook, H. J. 1909 D, 268, fig. 4.
1912 D, 40.
O'Harra, C. C. 1920 A, 155.
Miocene (Lower Harrison); Nebraska.

Daphœnodon superbus Peterson.

Peterson, O. A. 1906 C, 51 (Amphicyon).
Barbour and Cook 1917 B, 180, figs. 9-11 (Daphænodon).
Cook, H. J. 1909 D, 268 (D. supurbus).
1912 D, 40 (Daphœnodon supurbus).
Loomis, F. B. 1910 B, 298.
Lull, R. S. 1917 B, 637.

O'Harra, C. C. 1920 A, 79, 155, pl. xxvi; text-figs. 23, 25.
Peterson, O. A. 1909 B, 620.
1910 A, 206, 207, pls. lxxiv-lxxxiv; text-figs. 2-5, 7-9, 11-55.
Scott, W. B. 1913 A, 525, fig. 259.
Stock and Furlong 1926 A, 46.
Zittel and Schlosser 1923 A, 468 (Daphænus superbus).
Miocene (Lower Harrison); Nebraska.

Hyænognathus Merriam. Type *H. pachyodon* Merriam.

Merriam, J. C. 1903 B, 278.
Cook, H. J. 1922 B, 4 (Hyænognathus, Porthocyon).
Freudenberg, W. 1910 A, 18.
Frick, C. 1926 A, 17.
Hay, O. P. 1923 A, 15.
Matthew, W. D. 1904 C, 249.
1924 C, 102, 122, fig. 28.
Matthew and Cook 1909 A, 372.
Merriam, J. C. 1915 E, 233.
1917 A.
1919 A, 538.
Scott, W. B. 1913 A, 522, 524, 530.
Thorpe, M. R. 1922 D, 377.
Winge, H. 1924 A, 177, 194, 243.
Zittel and Schlosser 1911 A, 388.
1923 A, 468, 680, 681.

Hyænognathus cyonoides Martin.

Martin, H. T. 1928 A, 235, pl. xxi.
Pliocene; Kansas.

Hyænognathus direptor Matthew.

Matthew, W. D. 1924 C, 65, 100, fig. 20.
Lower Pliocene (Upper Snake Creek); Nebraska.

Hyænognathus? dubius Merriam, J. C.

Merriam, J. C. 1903 B, 283, pls. xxix, xxx, fig. 1 [H. ? (Porthocyon)].
Cook, H. J. 1922 B, 4 (Porthocyon).
Freudenberg, W. 1910 A, 18.
Freudenberg, W. 1921 A, 138.
Merriam, J. C. 1919 A, 538 [H. (Porthocyon)].
Trouessart, E. L. 1904 A, 219 [H. (Porthocyon?)].
Late Pliocene (Contra Costa County); California.

Hyænognathus matthewi Freudenberg.

Freudenberg, W. 1910 A, 17, pl. v, figs. 3, 4 [H. (Porthocyon)].
1922 A, 4 (H. mathewi).
Haug, E. 1911 A, 1887.
Pleistocene?; Mexico.

Hyænognathus pachyodon Merriam, J. C.

Merriam, J. C. 1903 B, 278, pl. xxviii, figs. 1, 2; text-figs. 1, 3.
Cook, H. J. 1922 B, 4.
Freudenberg, W. 1910 A, 21.
Matthew, W. D. 1924 C, 102.
Matthew and Cook 1909 A, 37.
Merriam, J. C. 1917 A, 425.
Thorpe, M. R. 1922 D, 376.
Trouessart, E. L. 1904 A, 219.
Pliocene (Tulare ?); California.

Hyænognathus pugnator (Cook).

Cook, H. J. 1922 B, 6, 18-20, 3 figs. (Porthocyon).
Matthew, W. D. 1924 C, 102 (Porthocyon, Ælurodon).
Pliocene (Snake Creek); Colorado.

Cynarctus Matthew. Type *C. saxatilis* Matthew.

Matthew, W. D. 1902 C, 281.
Barbour and Cook 1914 A, 225.
Gregory, W. K. 1910 A, 314.
Haug, E. 1911 A, 1705.
Matthew, W. D. 1912 B, 185.
Merriam, J. C. 1906 A, 59.
Osborn, H. F. 1909 D, 78.
Palmer, T. S. 1904 A, 209, 824.
Romer and Sutton 1927 A, 463.
Trouessart, E. L. 1904 A, 218.
Zittel and Schlosser 1911 A, 392.
1923 A, 472, 673.

Cynarctus acridens Barbour and Cook.

Barbour and Cook 1914 A, 226, pl. i, *c.d.*
Lower Miocene (Harrison); Nebraska.

Cynarctus crucidens Barbour and Cook.

Barbour and Cook 1914 A, 225, pl. i, *a. b.*
1917 A, 172.
Middle Miocene (Pawnee Creek); Colorado.

Cynarctus saxatilis Matthew.

Matthew, W. D. 1902 C, 281, fig. 1.
Barbour and Cook 1914 A, 226, fig. 1.
Matthew, W. D. 1909 C, 114.
Middle Miocene (Pawnee Creek); Colorado.

Tomarctus Cope. Type *T. brevirostris* Cope.

Hay, O. P. 1902 A, 775.
Matthew, W. D. 1909 C, 118.
1924 C, 70, 88, 118, 120, 122, fig. 28.
Palmer, T. S. 1904 A, 681, 833.
Weber and Abel 1928 A, 329.
See also *Tephrocyon*.

Tomarctus brevirostris Cope.

Hay, O. P. 1902 A, 775.
Barbour and Cook 1917 B, 180 (Tephrocyon hippophagus. This species ?).
Cook, H. J. 1912 D, 44 (Tephrocyon hippophagus).
1922 B, 5 (Tephrocyon hippophagus).
Cope and Matthew 1915 A, pl. cxixc, fig. 4.

Matthew, W. D. 1901 B, 359.
1909 C, 114.
1918 A, 185, 188 (Tephrocyon hippophagus).
1924 C, 65, 71, 91, 122, figs. 11-16.
Matthew and Cook 1909 A, 373, fig. 4 (Tephrocyon hippophagus).
Merriam, J. C. 1913 D, 360, 361, 364, fig. 6 (Tephrocyon hippophagus).
1917 A, 435 (Tephrocyon hippophagus).
1919 A, 464 (Tephrocyon hippophagus).
Sinclair, W. J. 1915 A, 76 (Tephrocyon hippophagus).
Thorpe, M. R. 1922 E, 435 (Tephrocyon hippophagus).
Trouessart, E. L. 1904 A, 226.
Upper Miocene (Pawnee Creek); Colorado: (Lower Snake Creek); Nebraska.

Tomarctus confertus (Matthew).

Matthew, W. D. 1918 A, 185, 188, 189, fig. 1 (Tephrocyon).
Hay, O. P. 1924 A, 2 (Tephrocyon).
Matthew, W. D. 1924 C, 65, 96, 123, figs. 17, 28.
Upper Miocene (Lower Snake Creek); Nebraska.

Tomarctus hippophagus Matthew and Cook.

Matthew and Cook 1909 A, 373, fig. 4.
Barbour and Cook 1917 B, 180 (This species?).
Cook, H. J. 1912 D, 44.
Matthew, W. D. 1918 A, 185, 188.
1924 C, 88 (Tephrocyon).
Merriam, J. C. 1913 D, 360, 361, 364, fig. 6.
1917 A, 435.
Sinclair, W. J. 1915 A, 76.
Pliocene (Snake Creek); Nebraska.

Tomarctus marshi (Thorpe).

Thorpe, M. R. 1922 E, 436, fig. 6 (Tephrocyon).
Upper Miocene (Valentine); Nebraska.

Tomarctus mortifer (Cook).

Cook, H. J. 1914 B, 49, pls. i-iii (Tephrocyon).
1922 B, 5 (Tephrocyon).
Matthew, W. D. 1918 A, 185, 188 (Tephrocyon).
1924 C, 65.
Merriam, J. C. 1917 A, 436 (Tephrocyon).
Sinclair, W. J. 1915 A, 76 (Tephrocyon).
Thorpe, M. R. 1922 E, 436 (Tephrocyon).
Miocene (Sheep Creek); Nebraska.

Tomarctus optatus Matthew.

Matthew, W. D. 1925 C, 65, 98, figs. 18, 19.
Miocene (Sheep Creek); Nebraska.

Tomarctus scitulus (Hay).

Hay, O. P. 1924 A, 3, pl. i, figs. 2, 3 (Tephrocyon).
Upper Miocene (Fleming); Texas.

Tomarctus sp. indet.

Barbour and Cook 1917 A, 172 (Tephrocyon).
Pliocene (Devil's Gulch); Nebraska.
1917 B, 180 (Tephrocyon). Pliocene (Valentine); Nebraska.
Matthew and Cook 1909 A, 376, fig. 5 (Tephrocyon "sp. a"). Pliocene (Snake Creek); Nebraska.
Merriam, J. C. 1913 D, 361 (Tephrocyon).
Pliocene (Snake Creek); Nebraska.
1917 A, 436 (Tephrocyon).
Sinclair, W. J. 1915 A, 76 (Tephrocyon). Pliocene (Snake Creek); Nebraska.

AMPHICYON Lartet. Types *A. major, A. minor* Blainville.

Lartet, E. 1836, Bull. Géol. Soc. France, VII, 219, 220.
Abel, O. 1913 B, 717.
Ameghino, F. 1906 A, 403.
1912 B, 177.
Arldt, T. 1907 D, 637.
Boas, J. E. V. 1914 B, 580.
Bose, P. N. 1880 A, 121.
Bronn, H. G. 1838 A, 1275.
1849 A, 721.
Cahall, W. C. 1890 A, 231.
Cope, E. D. 1880 U, 156, 157.
Dall and Harris 1892 A, 296.
Depéret, C. 1905 A, 1519.
1907 B.
1912 A, 709.
Filhol, H. 1879 A, 75-106, pls. x-xvi.
Frick, C. 1926 A, 16, 20.
Gaudry, A. 1872 D, 1282.
1891 C, 53, fig. 20.
Gervais, P. 1852 A, 111, explan. pl. xxviii.
1859 A, 214, pl. xxviii.
Hatcher, J. B. 1902 F, 66.
Haug, E. 1911 A, 1705.
Hoernes, R. 1886 A, 695.
Ihering, H. 1910 A, 158.
Lockwood, S. 1884 A, 407.
Lydekker, R. 1884 A, 246.
Mackie, S. J. 1863 D, 335.
Matthew, W. D. 1902 C, 283, 284.
1903 D, 913.
1907 A, 179, 181, 194, 198.
1909 C, 118.
1909 D, 416.
1918 A, 190.
1924 C, 70, 104, 114, 119, 122, fig. 28.
Matthew and Cook 1909 A, 366.
Merriam, J. C. 1906 A, 59.
Merriam, Stock, Moody 1925 A, 61.
Osborn, H. F. 1905 I, 109.
1909 D, 69, 72, 74, 77, 78, 83.
1910 B, 605.
1912 G, 247.
Owen, R. 1860 E, 340.
Palmer, T. S. 1904 A, 95, 823.
Rütimeyer, L. 1862 C, 87.
Schlosser, M. 1902 B, 297.
1903 I, 219.
1904 A, 496.
1911 A.
Scott, W. B. 1913 A, 524, 525, 530, 675.
Seeley, H. G. 1878 A, 226.
Serres, M. 1852 A, 119 (Amphycion).
Simpson, G. G. 1926 L, 174.
Stromer, E. 1902 A, 240.
1902 B, 554.

Thorpe, M. R. 1922 D, 375.
Trouessart, E. L. 1904 A, 220.
Wallace, A. R. 1876 A, I, 118, 121, 134; II, 559.
Weber, M. 1904 A, 534.
Weber and Abel 1928 A, xix, 328, 340.
Winge, H. 1924 A, 177, 195, 243.
Wortman, J. L. 1901 A, 200.
1906 A, 90.
Zittel and Schlosser 1911 A, 387.
1923 A, 468, 613.

Amphicyon americanus Wortman.

Wortman, J. L. 1901 A, 200, figs. A, B.
Hatcher, J. B. 1902 F, 99.
Matthew, W. D. 1902 C, 287.
1903 D, 913.
1918 A, 190.
1924 C, 105.
Peterson, O. A. 1910 A, 260.
Thorpe, M. R. 1922 E, 437.
Trouessart, E. L. 1904 A, 220.
Zittel and Schlosser 1911 A, 388.
1923 A, 468.
Miocene (Arikaree); Nebraska?

Amphicyon frendens Matthew.

Matthew, W. D. 1924 C, 111, fig. 26.
Cook, H. J. 1926 C, 30.
Frick, C. 1926 A, 14, 15, figs. 1*a*, 1*b*.
Miocene (Sheep Creek); Nebraska.

Amphicyon ingens Matthew.

Matthew, W. D. 1924 C, 65 (A. gigas); 111, fig. 24 (A. ingens).
Cook, H. J. 1926 C, 30.
Stock and Furlong 1926 A, 48.
Miocene (Snake Creek); Nebraska.

Amphicyon idoneus Matthew.

Matthew, W. D. 1924 C, 65, 113, fig. 25.
Frick, C. 1926 A, 43.
Miocene (Sheep Creek); Nebraska.

Amphicyon reinheimeri Cook.

Cook, H. J. 1926 C, 29, with 1 pl.
Miocene (Pawnee Creek); Colorado.

Amphicyon sinapius Matthew.

Matthew, W. D. 1902 C, 288, figs. 2-4.
Cook, H. J. 1912 D, 43 (A. amnicola).
1915 A, 57, pl. i (A. amnicola).
1926 C, 30.
Frick, C. 1926 A, 43.
Gregory and Hellman 1923 B, 523, fig. 11.
Matthew, W. D. 1909 C, 114.
1909 D, 426.
1918 A, 185 (Pliocyon amnicola).
1924 C, 65, 71, 109, figs. 21-23, 27.
Matthew and Cook 1909 A, 368 (A. sinapius, A. amnicola).
Merriam, J. C. 1917 A, 422 (Pliocyon amnicola?); 435 (A. amnicola).
Merriam, Stock, Moody 1925 A, 61 (A. sinapius, A. amnicola).
Sinclair, W. J. 1915 A, 76 (A. amnicola).
Stock, C. 1925 A, 18 (A. amnicola?).
Stock and Furlong 1926 A, 48.
Thorpe, M. R. 1922 E, 438, figs. 7, 8.
Miocene (Pawnee Creek); Colorado: (Snake Creek); Nebraska.

Amphicyon superbus Peterson.

Peterson, O. A. 1906 C, 51, pl. xviii.
Loomis, F. B. 1923 A, 222.
Matthew, W. D. 1909 C, 112.
Peterson, O. A. 1909 B, 620.
Sternberg, A. 1913 A, 46.
Oligocene (Lower Harrison); Nebraska.

Amphicyon sp. indet.

Cook, H. J. 1912 D, 43. Pliocene (Snake Creek); Nebraska.
Gidley, J. W. 1903 C, 627 (Borophagus?).
Pliocene (Blanco); Texas.
1906 A, 553 (This genus?). Pleistocene (Cave); California.
Lambe, L. M. 1905 D, 369.
Matthew, W. D. 1901 B, 445.
1909 C, 120. Pliocene (Blanco); Texas.
Matthew and Cook 1909 A, 370.
Merriam, J. C. 1917 A, 434 (This genus?). Pliocene (Blanco); Texas: 435 (This genus?) Miocene (Snake Creek); Nebraska.
Merriam, Stock, Moody 1925 A, 60, fig. 10 (This genus or an ursid?). Pliocene (Rattlesnake); Oregon.
Sinclair, W. J. 1915 A, 76. Miocene (Snake Creek); Nebraska.

ISCHYROCYON Matthew. Type *I. hyænodus* Matthew.

Matthew, W. D. 1904 C, 246.
Haug, E. 1911 A, 1706.
Matthew, W. D. 1907 A, 181.
1909 C, 118.
Merriam, J. C. 1906 A, 59.
O'Harra, C. C. 1910 A, 80, 133.
Osborn, H. F. 1910 B, 301, 529.
Stock and Furlong 1926 A, 48.
Thorpe, M. R. 1922 D, 375.
Zittel and Schlosser 1911 A, 388.
1923 A, 468.

Ischyrocyon hyænodus Matthew.

Matthew, W. D. 1904 C, 246, figs. 1, 2.
Gidley, J. W. 1904 A, 245.
Matthew, W. D. 1909 C, 115.
O'Harra, C. C. 1910 A, 81.
1920 A, 82.
Miocene (Arikaree); South Dakota.

DINOCYON Jourdan. Type *D. thenardi* Jourdan.

Jourdan, A. J. L. 1861, Comptes rend. Paris, LIII, 962, 963.
Baker, F. C. 1920 A, 209, 215, 398.
Bronn, H. G. 1862 A, 120.
Depéret, C. 1892 A, 37.
Frick, C. 1926 A, 5, 54.
Haug, E. 1911 A, 1706.
Lydekker, R. 1885 B, 150.

Matthew, W. D. 1902 A, 129.
1902 C, 284.
1902 F, 317 ("Dinocyon"?).
1905 D, 39, fig. 15.
1907 A, 181.
1909 C, 118.
1915 A, 219.
1918 A, 194.
1924 C, 105, 127.
Merriam, J. C. 1906 A, 59.
Osborn, H. F. 1904 R, 11.
1905 I, 106, 110.
1909 D, 80, 81, 86 (This genus?).
1910 B, 612.
1918 A, 26.
Palmer, T. S. 1904 A, 233, 824.
Pilgrim, G. E. 1912 A, 14.
Schuchert and Levene 1927 A, 336.
Scott, W. B. 1913 A, 524, 530.
Simpson, G. G. 1926 L, 174.
Thorpe, M. R. 1922 D, 375.
Trouessart, E. L. 1904 A, 219.
Winge, H. 1924 A, 177, 195, 243.
Zdansky, O. 1924 B, 4.
Zittel and Schlosser 1911 A, 388 (Syn. of Borophagus).
1923 A, 468, 673, 679 (Syn. of Borophagus).

Dinocyon ossifragus Douglass.

Douglass, E. 1903 A, 154, 192, figs. 31, 32.
Matthew, W. D. 1909 C, 115.
1924 C, 106.
Lower Pliocene (Madison Valley); Montana.

Dinocyon sp. indet.

Hay, O. P. 1914 A, 26 (This genus?). Pleistocene; Nebraska.
Matthew, W. D. 1902 F, 317 (This genus?). Compare *Dinarctotherium*.

BOROPHAGUS Cope. Type *B. diversidens* Cope.

Hay, O. P. 1902 A, 776.
Freudenberg, W. 1910 A, 22.
Frick, C. 1926 A, 69.
Haug, E. 1911 A, 1706.
Matthew, W. D. 1902 A, 132.
1918 A, 192.
Merriam, J. C. 1903 B, 280, 281.
1917 A.
1919 A, 531.
Osborn, H. F. 1907 G, 141, fig. 99.
1909 D, 80, 83, 86.
1910 B, 302, 366, 529.
Palmer, T. S. 1904 A, 140, 823.
Scott, W. B. 1913 A, 524, 530.
Zittel and Schlosser 1911 A, 388 (Dinocyon a syn.).
1923 A, 468, 680.

Borophagus diversidens Cope.

Hay, O. P. 1902 A, 776.
Dumble, E. T. 1894 A, 559.
Freudenberg, W. 1910 A, 22 (To Hyænognathus).
Frick, C. 1926 A, 93.
Gidley, J. W. 1903 C, 627.
Matthew, W. D. 1902 A, 130.
1902 C, 290 (Dinocyon?).
1909 C, 120.
Merriam, J. C. 1903 B, 281, text-figs. 2, 4, 5.
1917 A, 434.
Montgomery, T. H. 1904 A, 58.
Trouessart, E. L. 1904 A, 219 [Dinocyon (Borophagus)].
Pliocene (Blanco); Texas.

BOROCYON Peterson. Type *B. robustus* Peterson.

Peterson, O. A. 1910 A, 263.
Matthew, W. D. 1918 A, 92.

Borocyon robustus Peterson.

Peterson, O. A. 1910 A, 263, figs. 58-61 (B. robustum).
Cook, H. J. 1912 D, 42 (B. robustum).
O'Harra, C. C. 1920 A, 155 (B. robustum).
Miocene (Harrison); Nebraska.

HEMICYONINÆ Frick.

Frick, C. 1926 A, 12.
Simpson, G. G. 1926 L, 174.

HEMICYON Lartet. Type *H. sansaniensis* Lartet.

Lartet, E. 1851 A, 16.
Filhol, H. 1891 A.
Frick, C. 1926 A, 1-119.
1926 C, 446.
Gervais, P. 1853 C, 232.
Lydekker, R. 1884 A, 202 (Dinocyon, Hemicyon).
1885 B, 150, 156 (Dinocyon).
Matthew, W. D. 1928 B, 971, 974, fig. 13.
Romer and Sutton 1927 A, 458.
Schlosser, M. 1899 B, 83.
Simpson, G. G. 1926 L, 174.
Weber, M. 1904 A, 535.
Woodward, A. S. 1898 B, 394.
Zittel, K. A. 1893 B, 637, fig. 533.
Zittel and Schlosser 1911 A, 389.
1923 A, 469.
The systematic position of this genus is in some doubt.

Hemicyon barstowensis Frick.

Frick, C. 1926 A, 14, 15, 21, 27, 30, tab. 1, figs. 1a, 1b, 3, 6-8, 11, 12.
Miocene (Barstow); California.

Hemicyon californicus Frick.

Frick, C. 1926 A, 21, 29, 31, 33, 34, tab. 1, fig. 12.
Miocene (Barstow); California.

Hemicyon? ursinus (Cope).

Hay, O. P. 1902 A, 774 (Ælurodon).
Baird, S. F. 1876 A, ccx (Canis).
Frick, C. 1926 A, 21, 31, 35, 43, tab. 1, figs. 4, 5, 9, 10, 13-15 [Hemicyon (Canis)].
Matthew, W. D. 1902 A, 130 [Canis (Ælurodon)].
1902 C, 290 (Amphicyon?).
Matthew, W. D. 1904 C, 252 (Ælurodon?).
1909 C, 115 (Dinocyon?).
1924 C, 113 (Pliocyon).
Merriam, J. C. 1919 A, 536 (Canis?).
Merrill, G. P. 1907 A, 28 (Canis).
Simpson, G. G. 1926 L, 174.
Stock and Furlong 1926 A, 49 (Canis, Pliocyon).
Trouessart, E. L. 1904 A, 220 (Amphicyon).
Miocene (Santa Fe); New Mexico.

PROCYONIDÆ Bonaparte.

Bonaparte, C. L. 1850, Consp. Syst. Mastozool.
Hay, O. P. 1902 A, 764 (Procyonidæ, Procyoninæ).
Abel, O. 1912 F, 501.
1913 B, 716.
1914 A, 78.
1919 A, 746.
Ameghino, F. 1905 B, 194.
1912 A, 59.
1912 B, 177 ("procyonidés").
Arldt, T. 1907 B, 449 ("procyoniden").
1907 D, 676.
1912 A, 702 (Procyonidæ, Procyoninæ).
Bardenfleth, K. S. 1913 A, 104.
Beddard, F. E. 1902 A, 426.
Behlen, H. 1907 A ("procyoniden").
Boas, J. E. V. 1914 B, 580 ("procyoniden").
Brown, A. E. 1904 B, 94.
Carlson, A. 1921 A, 71.
Case, E. C. 1899 B, 180.
Chandler, A. C. 1914 B, 134.
Chardin, T. 1915 A, 141, 155.
1922 A, 104 ("procyonidés").
Doran, A. H. G. 1878 A, 393, 397, 407.
Ehrenberg, K. 1926 A, 56 ("procyoniden").
Elliot, D. G. 1901 A, 315.
Flower, W. H. 1869 B, 15-37.
Gidley, J. W. 1923 C, 241.
Gill, T. 1885 B, 21.
Grant, M. 1904 B, 193, 205.
Gregory, W. K. 1921 A, 69.
Hilzheimer, M. 1913 A, 566.
Hollister, N. 1915 A, 143.
Huxley, T. H. 1880 C, 4.
1880 D, 428, 429.
Ihering, H. 1910 A, 164.
Joleaud, L. 1919 A, 710, 712, fig. 7.
Kampfen, P. N. 1905 A, 530.
Lobley, J. L. 1908 A, 194, 200, 204.
Lockwood, S. 1884 A, 355 (Bassarididæ); 357 (Procyonidæ).
Lull, R. S. 1917 B, 338, 564.
Lydekker, R. 1910 E, 352 ("raccoons").
Matthew, W. D. 1901 A, 7.
Matthew, W. D. 1905 D, 37.
1907 A, 179.
1909 C, 112, 116, 118.
1909 D, 330, 401.
1910 G, 158.
1912 B, 184.
1913 B, 291.
1915 A, 196, 197, 220, fig. 10.
1915 K, 445.
1924 C, 138, 144.
1928 B, 974, fig. 13.
Miller, G. S. 1912 B, 88.
1920 B, 190.
Osborn, H. F. 1905 I, 106.
1909 D, 134.
1910 B, 288, 301, 529.
Palmer, T. S. 1904 A, 765, 836.
Pocock, R. I. 1914 B, 913.
1921 B, 389, 421 (Procyonidæ); 389, 422 (Procyoninæ).
Pohl, L. 1909 A, 382 ("procyoniden").
1911 A, 122.
Romer and Sutton 1927 A, 460, 463.
Scharff, R. F. 1911 A, 151, 181, 249.
Schlosser, M. 1902 A, 134, 138.
Scott, W. B. 1913 A, 238, 517, 546, 552.
1916 A, 117 ("raccoons").
Seton, E. T. 1909 A, 1010, map 54.
Shufeldt, R. W. 1915 E, 691 (Procyonidæ, Procyonoidea).
Sokolowsky, A. 1919 A, 238.
Stromer, E. 1902 A.
Trouessart, E. L. 1904 A, 183 (Procyonidæ); 184 (Procyoninæ).
Turner, H. N. 1848 A, 86 (Procyonina).
Wallace, A. R. 1876 A, I, 144; II, 200.
1894 A, 435.
Weber, M. 1904 A, 536.
Weber and Abel 1928 A, 308, 318, 331.
Winge, H. 1896 A, 126, 127.
1924 A, 178, 192, 198, 199, 243 (Procynidæ).
Wortman, J. L. 1920 A, 17 ("raccoons").
Zittel and Schlosser 1911 A, 391.
1923 A, 472, 482.

ALETOCYON Romer and Sutton. Type *A. multicuspis* Romer and Sutton.

Romer and Sutton 1927 A, 460.

Aletocyon multicuspis Romer and Sutton.

Romer and Sutton 1927 A, 460, figs. 1, 2.
Lower Miocene (Lower Harrison); Wyoming.

PHLAOCYON Matthew. Type *P. leucosteus* Matthew.

Hay, O. P. 1902 A, 765.
Abel, O. 1913 B, 716.
Ameghino, F. 1912 A, 59.
Chardin, T. 1915 A, 141, 155.
Frick, C. 1926 A, 8, 47.
Gregory, W. K. 1920 A, 150, fig. 84.
Ihering, H. 1910 A, 159, 164.
Joleaud, L. 1919 A, 710, 712, fig. 7.
Kraglievich, L. 1925 A, 190.
Matthew, W. D. 1901 A, 17.
1901 B, 365, 370, 373, 398.
1905 D, 37, figs. 13, 14.
1907 A, 179.
1909 C, 118.
1912 B, 182.
1915 A, 197, 221.
1924 C, 138, 144.
Osborn, H. F. 1905 H, 221.
1905 I, 106.
1907 G, 140, fig. 98.
1912 G, 249.
Palmer, T. S. 1904 A, 531, 837.
Romer and Sutton 1927 A, 458, 460.
Scharff, R. F. 1911 A, 151.
Schlosser, M. 1916 A, 29.
Scott, W. B. 1913 A, 238, 547.
Stromer, E. 1902 A, 256.
Trouessart, E. L. 1904 A, 185.
Weber, M. 1904 A, 536, 542.
Weber and Abel 1928 A, 331.
Winge, H. 1924 A, 178, 198, 243.
Zittel and Schlosser 1911 A, 392.
1923 A, 472, 672.

Phlaocyon leucosteus Matthew.

Hay, O. P. 1902 A, 765.
Abel, O. 1914 A, 79, fig. 44.
Joleaud, L. 1919 D, 412 (Pholaocyon).
Matthew, W. D. 1901 B, 357, 381, text-fig. 7.
1909 C, 112.
1924 C, 138.
Peterson, O. A. 1924 B, 301.
Romer and Sutton 1927 A, 460, 462.
Schlosser, M. 1902 A, 138, fig.
Stromer, E. 1912 A, 13, fig. 16.
Trouessart, E. L. 1904 A, 185.
Zittel and Schlosser 1911 A, 392, fig. 557.
1923 A, 472, fig. 596.
Lower Miocene (Harrison); Colorado.

Phlaocyon willistoni Peterson.

Peterson, O. A. 1924 B, 300, figs. 1, 2.
Lower Miocene (Brown's Park); Colorado.

PROCYON Storr. Type *Ursus lotor* Linnæus.

Hay, O. P. 1902 A, 764.
Allen, J. A. 1892 A.
Ameghino, F. 1889 A, 1023.
1902 D, 423.
1905 C, 449, fig. 94.
1912 B, 179.
Anderson, R. J. 1901 A, 682.
Arldt, T. 1907 D, 117.
Bärthold, —— 1904 A, 367.
Baird, S. F. 1876 A, ccviii ("raccoon").
Bardenfleth, K. S. 1913 A, 104.
Beddard, F. E. 1902 A, 427.
Behlen, H. 1907 A.
Boas, J. E. V. 1909 A, 530.
Brauer, A. 1914 A, 282.
Chardin, T. 1915 A, 155.
Cope, E. D. 1880 U, 158.
Cuvier, G. 1805 A.
1825 A, iv, 253, pl. xviii.
Eggeling, H. 1904 A, 97.
Elliot, D. G. 1901 A, 317.
Fischer, J. B. 1829 A, 146.
Frech, F. 1907 A, 315 ("waschbär").
Frick, C. 1926 A, 8, 9, 16, 40, 47.
Gidley, J. W. 1923 C, 241.
Giebel, C. G. 1855 A, 36, pl. xiv.
1878 C, 854.
Grant, M. 1904 B, 205.
Gregory, W. K. 1920 A, 150, fig. 85.
Heilprin, A. 1887 A, 390.
Hollister, N. 1915 A, 145, 146, pl. xxxix, fig.
Huxley, T. H. 1880 D, 428, fig. 14.
Ihering, H. 1910 A, 165.
Joleaud, L. 1919 A, 710, fig. 7.
Kampfen, P. N. 1905 A, 536.
Köstlin, O. 1844 A.
Kraglievich, L. 1925 A, 183.
Leche, W. 1887 A.
Leunis and Ludwig 1883 A, 199.
Lockington, W. N. 1884 A, 409.
Lockwood, S. 1884 A, 357.
Matthew, W. D. 1907 A, 179.
1915 A, 197, 220.
1915 K, 402.
1924 C, 141.
1928 B, 974, fig. 13.
Meckel, J. F. 1825 A.
Merriam, C. H. 1892 A, 60.
Miller, G. S. 1912 B, 89.
1924 C, 108.
Osborn, H. F. 1909 D, 90.
1910 B, 472, 488, 529.
Owen, R. 1845 B, 500.
Palmer, T. S. 1904 A, 568, 837.
Pander and Alton 1822 A, 9 (Procion).
Paulli, S. 1900 B, 496.
Pocock, R. I. 1921 B, 389, 399, 407, 415.
Pohl, L. 1911 A, 124, pl. viii, fig. 51.
Retzius, A. 1849 A, 620.
Röse, C. 1892 F, 401.
Scharff, R. F. 1911 A, 152, 181.
Schlosser, M. 1899 I, 349.
Schwalbe, G. 1904 A, 207.
Scott, W. B. 1913 A, 546, 688.
1917 A, 32, 134, 140 ("raccoons").
Seton, E. T. 1909 A, 1010.
Shufeldt, R. W. 1915 E, 691.
Sokolowsky, A. 1919 A, 243.
Stromer, E. 1902 A.
1902 B, 557.
Taylor, W. P. 1916 A, 467.
Terra, P. 1911 A, 279.
Tornier, G. 1889 A, 176.
1891 A, 122, 144.

Trouessart, E. L. 1904 A, 186.
Turner, H. N. 1848 A, 80.
Wallace, A. R. 1876 A, I, 130; II, 200.
Weber, M. 1904 A, 536.
Wiegmann, F. R. 1838 B, 262.
Winge, H. 1896 A, 127.
1924 A, 178, 243, 248.
Wilder, B. 1872 B, 319.
Zittel and Schlosser 1911 A, 392.
1923 A, 472, 679, 681.

Procyon lotor (Linnæus).

Hay, O. P. 1902 A, 764.
Anderson, R. J. 1902 A, 1120, fig. 10.
Baker, F. C. 1920 A, 374.
Bangs, O. 1898 A, 219 (P. l. elucus).
Brown, B. 1908 A, 183.
Cope, E. D. 1895 F, 447.
1895 G, 596.
Doran, A. H. G. 1878 A, 397, pl. lix.
Elliot, D. G. 1901 A, 317, fig. 62.
Fischer, J. B. 1829 A, 147.
Foote, J. S. 1916 A, 142, pl. xx.
Frech and Geinitz 1903 A, 36.
Frick, C. 1926 A, 14, 15, figs. 1*a*, 1*b*.
Furlong, E. L. 1904 A, 55 (This species?).
1906 A, 245.
Gidley, J. W. 1927 E, 274.
Giebel, C. G. 1883 A, pls. xvii, lxxii, lxxviii.
Hay, O. P. 1914 A, 32.
1917 E, 46.
1920 B, 95.
1923 A, 494.
1924 D, 252.
1927 D, 214.
Holmes, F. S. 1859 A, 184 ("raccoon").
1860 A, iv, vii ("raccoon").
Leidy, J. 1859 J, 184 ("raccoon").
1889 H, 18.
Lockwood, S. 1884 A, 357, fig. 174.
Mercer, H. C. 1894 A, 98 ("raccoon").
Miller, G. S. 1912 B, 89.
1924 C, 108.
Miller, L. H. 1912 A, 73 (This species?).
Osborn, H. F. 1910 B, 488.
Owen, R. 1845 B, 500, pl. cxxix, fig. 7.
1868 A, 903.
Pocock, R. I. 1921 B, 392, 412, figs. 1, 3, 4.
Pohl, L. 1911 A, 124, pl. viii, figs. 48-50.
Rhoads, S. N. 1903 A, 228.
Scharff, R. F. 1911 A, 151, 249.
Schmidt, E. 1872 A, 251.
Scott, W. B. 1913 A, 166, 547, figs. 80, 273.
Sellards, E. H. 1916 C, 152, 158 (This species?).
1916 E, 16, 17.
1916 F, 9 (P. sp.).
Seton, E. T. 1909 A, 1010, pls. lxxxvi-lxxxvii; text-figs. 234-235, map 54.
Stock, C. 1925 A, 113 (This species?).
Recent; Central and North America: Pleistocene; New Jersey, Pennsylvania, Arkansas, California, Florida, West Virginia.

Procyon priscus Le Conte.

Hay, O. P. 1902 A, 765.
Baker, F. C. 1920 A, 354, 360, 398.
Gervais, P. 1859 A, 365.
Hay, O. P. 1914 A, 38.
1923 A, 494.
Mackie, S. J. 1863 D, 334.
Whitney, J. D. 1862 A, 136.
Pleistocene; Illinois.

Procyon psora Gray.

Gray, J. E. 1842, Ann. Mag. Nat. Hist., x, 261.
Hay, O. P. 1927 D, 223.
Miller, G. S. 1912 B, 90.
1924 C, 109.
Stock, C. 1918 A, 468, 470.
1925 A, 113.
Recent; California and Washington: Pleistocene; California.

Procyon simus Gidley.

Gidley, J. W. 1906 A, 553, pl. xii.
Hay, O. P. 1927 D, 213.
Scharff, R. F. 1911 A, 152 (P. sinus).
Pleistocene; California.

Procyon sp. indet.

Cooke, C. W. 1926 A, 445 ("raccoon"). Pleistocene; Florida.
Matthew, W. D. 1925 A, 97. Pleistocene (Early); Florida.
Sellards, E. H. 1916 D, 617. Pleistocene (Early); Florida.

BASSARISCIDÆ Gray.

Gray, J. E. 1869 A, 246.
Gill, T. 1872 B, 7, 59, 67.
Hall, E. R. 1927 A, 435, 444 (Bassariscinæ).
Hollister, N. 1915 A, 144.
Miller, G. S. 1924 C, 112.
Pocock, R. I. 1921 B, 421 (Bassariscinæ).
Shufeldt, R. W. 1915 E, 692 (Bassarisinæ).

BASSARISCUS Coues. Type *Bassaris astuta* Licht.

Coues, E. 1887, Science, IX, 516 (To replace Bassaris Licht., preoccupied).
Hay, O. P. 1902 A, 764.
Allen, J. A. 1892 A.
Bardenfleth, K. S. 1913 A, 103 (Bassaris).
Beddard, F. E. 1902 A, 428.
Doran, A. H. G. 1878 A, 398, pl. lix.
Elliot, D. G. 1901 A, 316.
Giebel, C. G. 1855 A, 31 (Bassaris).
Grant, M. 1904 B, 194, 205.
Gregory, W. K. 1921 A, 196.
Hall, E. R. 1927 A, 439, 444.
Hollister, N. 1915 A, 143.
Huxley, T. H. 1880 D, 428 (Bassaris).
Ihering, H. 1910 A, 160, 164.
Joleaud, L. 1919 A, 710, fig. 7.
Leche, W. 1887 A (Bassaris).
Leunis and Ludwig 1883 A, 192 (Bassaris).
Lockington, W. N. 1884 A, 409 (Bassaris).
Lockwood, S. 1884 A, 355 (Bassaris).
Lönnberg, E. 1911 B, 232, fig. 2.
Matthew and Cook 1909 A, 366.
1909 B, 197.
1924 C, 138, 142.

Merriam, C. H. 1892 A, 61.
Merriam, J. C. 1911 B, 205-207, 214, 246, 248 (Probassariscus, type *P. antiquus* Merriam).
Miller, G. S. 1912 B, 88.
1924 C, 112.
Osborn, H. F. 1909 D, 89.
1910 B, 356, 477, 529.
Palmer, T. S. 1904 A, 133, 836.
Pocock, R. I. 1921 B, 390, 399, 406, 415, 421.
Scharff, R. F. 1911 A, 201, 249.
Scott, W. B. 1913 A, 517, 546, 547.
Shufeldt, R. 1915 E, 691 (Bassariscus).
Stromer, E. 1902 A.
Turner, H. N. 1848 A, 80 (Bassaris).
Wallace, A. R. 1876 A, II, 200 (Bassaris).
Weber, M. 1904 A, 536 (Bassaris).
Weber and Abel 1928 A, 332.
Winge, H. 1924 A, 198, 243, 248.
Zittel and Schlosser 1911 A, 392.

Bassariscus antiquus Matthew and Cook.

Matthew and Cook 1909 A, 377, fig. 6.
Cook, H. J. 1912 D, 44.
Hall, E. R. 1927 A, 437, pl. lxiv, figs. *a*, *b*.
Matthew, W. D. 1918 A, 185 (Probassariscus).
1924 C, 65 (Probassariscus).
Merriam, J. C. 1911 B, 248 (Probassariscus).
1917 A, 436.
Sinclair, W. J. 1915 A, 76.
Upper Miocene (Lower Snake Creek); Nebraska.

Bassariscus antiquus matthewi (Merriam).

Merriam, J. C. 1911 B, 214, 246, 248, fig. 21 (Probassariscus).
Miocene (Virgin Valley); Nevada.

Bassariscus astutus (Licht.).

Hay, O. P. 1902 A, 764.
Bardenfleth, K. S. 1913 A, 103, fig. 7 (Bassaris).
Beddard, F. E. 1902 A, 429, fig. 215.
Elliot, D. G. 1901 A, 316.
Giebel, C. G. 1883 A, pl. xiii (Bassaris).
Hay, O. P. 1923 A, 314.
Miller, G. S. 1912 B, 88.
1924 C, 112.
Owen, R. 1866 B, 510 (Bassaris).
Stromer, E. 1902 A, 139, pl. iii, fig. 3.
Recent; Mexico to Oregon: Pleistocene; Pennsylvania.

Bassariscus astutus raptor (Baird).

Baird, S. F. 1859, Mamm. Mex. Bound., 19 (Bassaris).
Doran, A. H. G. 1878 A, 398, pl. lix, fig. 15 (Bassaris).
Elliot, D. G. 1901 A, 316, pl. xxxv.
Gregory, W. K. 1920 A, 150, fig. 83.
Hall, E. R 1927 A, 444
Hay, O. P. 1927 D, 215.
Lockwood, S. 1884 A, 355, fig. 173 (Bassaris).
Merriam, C. H. 1897 A, 186 (B. raptor).
Merriam and Stock 1925 A, 10.
Miller, G. S. 1924 C, 113 (B. a. oregonus).
Miller, L. H. 1912 A, 70 (B. raptor).
1912 B, 88 (B. astutus oregonus).
Osborn, H F. 1910 B, 477 (B. raptor).
Pocock, R. I. 1921 B, 393, figs. 1, 3, 6, 13.
Sinclair, W. J. 1903 A, 711 (B. raptor).
1904 A, 17 (B. raptor).
Stock, C. 1925 A, 113.
Turner, H. N. 1848 A, 80 (Bassaris).
Pleistocene (Potter Creek cave); California.

Bassariscus parvus Hall.

Hall, E. R. 1927 A, 440, 443.
Merriam, J. C. 1916 A, 175, fig. 10 (B. nevadensis, not of G. S. Miller, 1913).
Upper Miocene (Cedar Mountain); Nevada.

BASSARISCOPS Peterson. Type *B. willistoni* Peterson.

Peterson, O. A. 1928 A, 96.

Bassariscops willistoni Peterson.

Peterson, O. A. 1928 A, 96, text-figs. 1-7.
Miocene or Pliocene (Brown's Park); Colorado.

MIXOPHAGUS Cope. Type *M. spelæus* Cope.

Hay, O. P. 1902 A, 765 (Myxophagus, *errore*).
Wallace, A. R. 1876 A, 130 (Myxophagus).

Mixophagus spelæus Cope.

Hay, O. P. 1902 A, 765.
1923 A, 353 (Myxophagus).
Pleistocene (Caves); Virginia.

URSIDÆ Gray.

Gray, J. E. 1825 B, 339.
Hay, O. P. 1902 A, 762.
Abel, O. 1912 D, 600 ("bären").
1913 B, 716.
1919 A, 743.
Ameghino, F. 1889 A, 1027.
1902 D, 423 ("ursidés").
1905 C, 446.
1906 A, 397 ("ursidés").
Anderson, R. J. 1901 A, 682.
Anderson, R. J. 1909 A, 744.
Anthony, R. 1912 A.
Arldt, T. 1907 B, 449 ("ursiden").
1907 D, 687.
1912 A, 748 (Ursinæ).
Bayer, F. 1897 A, 147.
Beddard, F. E. 1902 A, 442.
Behlen, H. 1907 A, ("ursiden").
Birula, A. A. 1913 A, 277.
Boas, J. E. V. 1914 B, 580 ("ursiden").

Bolk, L. 1914 A, 88 ("ursiden").
Bonaparte, C. L. 1832 A, 286 (Ursina).
Boule, M. 1905 A, 1663 ("ours").
Boule and Thevenin 1920 A, 231.
Bradley, O. C. 1899 B, 180.
Brandt and Woldrich 1887 A, 46 (Ursina).
Brown, A. E. 1904 B, 95 ("bears").
Carlson, A. 1921 A, 71.
Carus, V. 1875 A, 130 (Ursida).
Case, E. C. 1899 B, 180.
Chandler, A. C. 1914 B, 134.
Chardin, T. 1922 A, 104 ("ursidés").
Cleland, J. 1863 B, 297 ("bears").
Condon, T. 1906 A, 13 ("bears").
Cope, E. D. 1885 EE, 606 ("bears").
1891 N, 76 ("bears").
Cuvier, F. 1807 A, 128 ("ours").
1825 A, 109 ("ours").
Depéret, C. 1905 A, 1518 ("ursidés").
1905 B, 22 ("ursidés").
1906 B, 1122 ("ursidés").
1907 B ("ursidés").
Doran, A. H. G. 1878 A, 398, 407, pl. lix.
Ehrenberg, K. 1926 A, 54 ("bären").
Eimer, G. H. T. 1901 A, 256 ("bären").
Elliot, D. G. 1901 A, 309.
Frassetto, F. 1903 A, 177.
Frech, F. 1906 A, 497 ("bären").
Freund, L. 1911 A, 389.
Frick, C. 1926 A, 5 (Ursidæ, Ursinæ, Tremarctinæ).
Gaillard, C. 1898 A, 1237 ("ursidés").
Gervais, P. 1859 A, 203 ("ursidés").
Ghigi, A. 1900 B, 99 ("orsi").
Gidley, J. W. 1915 B, 333 ("bears").
1923 C, 241 ("bears").
Giebel, C. G. 1855 A, 36 (Ursinæ).
1883 A, ("bären").
Grant, M. 1904 B, 191, 205.
Gray, J. E. 1821 A, 301 (Ursinidæ).
Gregory, W. K. 1920 A, 151.
Hay, O. P. 1912 D, 769.
1914 A, 474.
1923 A, 312.
1927 E, 77 ("bears").
Hilzheimer, M. 1913 A, 566.
Hoernes, R. 1886 A, 692.
Huxley, T. H. 1856 A, 53.
1880 C, 4.
Jaeger, G. F. 1842 A, 436 ("bären").
Kampfen, P. N. 1905 A, 526.
Kellogg, R. 1922 A, 96.
Koken, E. 1901 B, 220 ("ursiden").
Laloy, L. 1907 A, 587 ("ursidés").
Leunis and Ludwig 1883 A, 198.
Lobley, J. L. 1908 A, 200, 204.
Lockwood, S. 1884 A, 369.
Lönnberg, E. 1923 A, 85 ("bears").
Lull, R. S. 1917 B, 563.
Lydekker, R. 1903 D, 124.
Mackie, S. J. 1863 D, 332.
Martins, C. 1857 A, 68 ("ours").
Matthew, W. D. 1901 A, 8, 17.
1902 C, 284.
1905 D, 37.
Matthew, W. D. 1907 A, 181.
1909 D, 330, 401, 414, 415.
1910 G, 158.
1912 B, 185.
1913 B, 291.
1915 A, 197, 221, fig. 11.
1915 K, 445, fig. 17.
1924 C, 109, 115, 121.
1928 B, 974, fig. 13.
Meckel, J. F. 1825 A ("bären").
Merriam, J. C. 1921 B, 183 ("bears").
Merriam and Stock 1925 A, 4.
Merriam, Stock and Moody 1916 A, 87.
Miller, G. S. 1912 B, 73.
1924 C, 90.
Neuville, H. 1915 A, 6 ("ursidés").
Osborn, H. F. 1905 I, 106.
1909 D, 137.
1910 B, 255, 431, 529.
Owen, R. 1868 A, 913.
Palmer, T. S. 1904 A, 775, 837.
Pocock, R. I. 1914 B, 929.
1921 B, 389, 415, 420.
Pohl, L. 1909 A, 382 ("ursiden").
1911 A, 118.
Pohle, H. 1923 A, 266 ("bären").
Reynolds, S. H. 1897 A, 452, 477, 502, 526.
1906 A, 1, pls. i-viii.
Scharff, R. F. 1911 A, 350.
Schlosser, M. 1900 F, 142.
1902 B, 300.
1902 J, 150, 256 ("ursiden").
Schwarz, E. 1924 A, 420 ("bears").
Scott, W. B. 1896 D, 54 ("bears").
1913 A, 517, 518, 548.
1917 A, 173 ("bears").
Seeley, H. G. 1878 A, 226 ("bears").
Serres, M. 1860 A, 307 ("ours").
Seton, E. T. 1909 A, 1030.
Steinmann, G. 1907 A, 472.
Stromer, E. 1902 A.
1902 B, 554 ("ursiden").
Terra, P. 1911 A, 280.
Tornier, G. 1888 A, 255 (Ursina).
Trouessart, E. L. 1904 A, 177 (Ursidæ, Ursinæ).
Vallois, H. V. 1921 B, 975 ("ursidés").
Vicq-d'Azyr, F. 1819 A, 75 (Ursini).
Virchow, H. 1913 A, 41 ("bären").
Wagner, R. 1843 A ("bären").
Wallace, A. R. 1876 A, I, 135, 144; II, 201.
1894 A, 435.
Weber and Abel 1928 A, 308, 318, 329, 340.
Weidenreich, F. 1922 B, 133 ("ursiden").
Wiegmann, F. R. 1838 B, 258 ("bären").
Wilkie, H. C. 1926 A, 819.
Winge, H. 1896 A, 126, 127.
1924 A, 177, 192, 197, 243 (Ursini).
Woodward, A. S. 1915 A, 425.
1923 C, 22.
Wortman, J. L. 1901 B, XI, 337, 338.
1906 A, 90 ("bears").
Wright, J. F. 1911 B, 436 ("bears").
Zittel and Schlosser 1911 A, 390.
1923 A, 470, 482, fig. 595.

URSAVUS Schlosser. Type *U. brevirhinus* Hofmann.

Schlosser, M. 1899 B, 99, 103, 108.
Frick, C. 1926 A, 94.
Königswald, R. 1925 A, 16.
Matthew, W. D. 1902 C, 283, 285.
1924 C, 109, 121.
1928 B, 971.
Merriam, Stock, Moody 1925 A, 61.
Romer and Sutton 1927 A, 458, 463.
Schlosser, M. 1899 B.
1900 A, 261.
Simpson, G. G. 1926 L, 174.
Weber and Abel 1928 A, xix, 331, 340.
Zittel and Schlosser 1911 A, 391.
1923 A, 471.

Ursavus pawniensis Frick.

Frick, C. 1926 A, 106, 110, tab. 3, figs. 49, 56 (This genus?).
Matthew, W. D. 1902 C, 285 (This genus?).
Miocene (Pawnee Creek); Colorado.

PLIONARCTOS Frick. Type *P. edensis* Frick.

Frick, C. 1926 A, 111, 114.

Plionarctos edensis Frick.

Frick, C. 1926 A, 114, figs. 56, 57, 61, 62.
1926 C, 441.
Pliocene (Eden); California.

URSUS Linnæus. Type *U. arctos* Linnæus.

Hay, O. P. 1902 A, 763.
Abel, O. 1912 F, 706.
Allen, J. A. 1892 A.
1903 A.
Altmann, F. 1925 A, 108.
Ameghino, F. 1889 A, 1027.
1905 C, 446, fig. 92.
1912 B, 178 ("ours").
Anderson, R. J. 1901 A, 681.
1902 A, 1120, fig. 12.
1902 B, 318, figs.
1903 A, 651.
1905 A, 328, figs. 20, 23.
Anthony, R. 1912 A ("ours").
Arldt, T. 1907 D, 687.
Bardeleben, K. 1889 A, 107.
Bardenfleth, K. S. 1913 A, 106.
Beddard, F. E. 1902 A, 442.
Birula, A. A. 1913 A, 277.
Boas, J. E. V. 1909 A, 529, fig. 6.
1914 B, 580.
Bonsdorff, E. J. 1871 A, 318.
Bradley, O. C. 1905 B, 471.
Brandt and Woldrich 1887 A, 46.
Brauer, A. 1914 A, 282.
Bronn, H. G. 1848 B, 9344.
1849 A, 723.
Broom, R. 1905 A, 98.
Brown, A. E. 1904 B, 94.
Cleland, J. 1863 B, 298.
Cope, E. D. 1895 G, 596.
Cuvier, F. 1825 A, 109, pl. xxxvii ("ours").
Cuvier, G. 1805 A.
1825 A, iv, 255, 311, pl. xviii; pls. xxxvii ("ours").
Depéret, C. 1909 A, 141.
DeStefani, C. 1921 A, 257.
Diener, C. 1912 A, 206.
Doran, A. H. G. 1878 A, 399.
Edinger, T. 1928 A, 385, figs. 4, 5.
Eggeling, H. 1904 A, 97.
Ehrenberg, K. 1925 A, 48.
1926 A, 54.
1927 A, 240.
Elliot, D. G. 1901 A, 309.
Falconer, H. 1863 A, 63.
Fischer, J. B. 1829 A, 141.
Foote, J. S. 1916 A, 106.
Frassetto, F. 1903 A, 177, 182, 221, 246.
Frech, F. 1906 A, 483.
Frech and Geinitz 1903 A, 36.
Freund, L. 1911 A, 389.
Frick, C. 1921 A, 341.
1926 A, 8, 16.
Gaillard, C. 1898 A, 1238.
Gaudry, A. 1891 C, 55, fig. 22.
Geikie, J. 1914 A, 319 ("bears").
Geinitz, E. 1903 A.
1904 A.
Gervais, P. 1852 A, 104.
1859 A, 203.
Gidley, J. W. 1912 C, 20.
1913 B, 96.
Giebel, C. G. 1855 A, 37, pls. xvi, xvii.
1878 C, 854 ("bären").
1883 A, pl. xviii, lviii, lxxii, lxxix, lxxxvi.
Grant, M. 1904 B, 191, 205.
Hasse and Schwarck 1870 A, 103.
Hatschek, B. 1889 A, 87, fig. 3.
Hay, O. P. 1909 G, 893.
1912 B, 14.
1912 D, 770.
1914 A, 475.
Heilprin, A. 1887 A, 389.
Hensel, R. 1879 A.
Hermann, R. 1907 A, 196, figs. 2, 5.
Hoyer and Babik 1924 A, 450, pl. xxxiii, figs. 1, 2, 5 ("bären").
Hrdlička, A. 1920 A, 463.
Hue, E. 1907 A, pls. xxiv, xxv, lxxiv, lxxx, xciv, cviii, cxxii, cxxxiii, cxlvi, clx, clxxvi.
Hull, E. 1914 A, 613, 616.
Huxley, T. H. 1856 B, 191 ("bear").
Jaekel, O. 1926 E, 60.
Kampfen, P. N. 1905 A, 527, fig. 51.
Köstlin, O. 1844 A.
Leche, W. 1887 A.
Le Damany, P. 1906 B, 164 ("ours").
Leunis and Ludwig 1883 A, 200.
Lönnberg, E. 1923 A, 85.
Lydekker, R. 1910 E, 352 ("bears").
Mackie, S. G. 1863 D, 332.
Major, C. J. F. 1899 A, 508.
Martins, C. 1872 A, 308 ("ours").

Matthew, W. D. 1909 D, 324, text-fig. 3.
1915 K, 402.
Mead, C. S. 1909 A, 195.
Meckel, J. F. 1825 A.
Merriam, J. C. 1892 A, 62.
1912 A, 40.
1921 B, 184 ("true bears").
Merriam and Stock 1925 A, 4, 12.
Merriam, Stock, Moody 1916 A.
Miller, G. S. 1912 B, 73.
1924 C, 92.
Mysberg, W. A. 1917 A, 655.
Nehring, A. 1880 A.
Neuville, H. 1915 A, 7.
Newton, E. T. 1913 A, 251.
Osborn, H. F. 1909 D, 87-90.
1910 B, 438, 455, 460, 467.
1916 B, 545.
Owen, R. 1845 B, 501, pl. cxxx.
1845 E, 122.
1866 B, 289, fig. 174.
1868 A, 913, fig. 263.
Palmer, T. S. 1904 A, 703, 838.
Pander and Alton 1822 A, 7, pls. iii, viii ("bären").
Paulli, S. 1900 B, 494, figs. 8, 9.
Pilgrim, G. E. 1914 A, 233.
Pocock, R. I. 1921 B, 406 (Ursus).
Pohl, L. 1911 A, 119, pl. viii, fig. 56.
Pohle, H. 1921 A, 118 ("bären").
1923 A, 266, figs. 1, 2 ("bären").
Retzius, A. 1849 A, 619.
Reynolds, H. 1897 A, 436, 439, 534, figs. 84, 85 (Ursus, "bears").
1906 A, 1, pls. i-viii.
Rudolf, G. de M. 1922 A, 138, fig. 3.
Rusconi, C. 1927 A, 282.
Scharff, R. F. 1895 A, 450.
1911 A, 80, 352.
Schlosser, M. 1900 A, 261.
1900 F, 144.
1903 I, 21, 209.
1924 A, 8.
Schwalbe, G. 1904 A, 207.
Sclater, P. L. 1875 A, 219.
Scott, W. B. 1913 A, 549.
Serres, M. 1852 B, 183 ("ours").
1860 A, 303.
Seton, E. T. 1909 A, 1030.
Strecker, C. 1887 A, 318.
Stromer, E. 1902 A.
1902 B, 554.
Taschenberg, O. 1899 A, 4699.
Terra, P. 1911 A, 283, fig. 104.
Tims, H. W. M. 1903 A, 140.
Toldt, C. 1905 A, 319, figs.
Tornier, G. 1889 A, 177.
1891 A, 122, 157.
Trouessart, E. L. 1904 A, 178.
Vicq-d'Azyr, F. 1819 A, 75.
Virchow, H. 1907 A, 46.
1909 A, 421.
1913 A, 41.
1917 B, 323 ("bär").
Wagner, R. 1843 A.
Wallace, A. R. 1876 A, I, 112, 121.
Weber, M. 1904 A, 535, 542, fig. 399.
Weber and Abel 1928 A, 329, figs. 203, 204.
Wiegman, F. R. 1838 B, 262.
Wilder, B. 1872 B, 319.
Winge, H. 1924 A, 177, 197, 243, 248.
Woodward, A. S. 1898 D, 334.
1922 A, 750.
Wortman, J. L. 1902 A, XIII, 120.
Zittel and Schlosser 1911 A, 391.
1923 A, 471.

Ursus amplidens Leidy.

Hay, O. P. 1902 A, 763.
Foster, J. W. 1869 A, 253.
1873 A, 91.
Freudenberg, W. 1910 A, 13.
Hay, O. P. 1923 A, 498.
1928 C, 428.
Shimek, B. 1902 A, 285.
Trouessart, E. L. 1904 A, 180.
Usher, W. 1854 A, 349 ("Ursus").
Pleistocene (Middle); Mississippi, Virginia.

Ursus procerus Miller.

Hay, O. P. 1902 A, 763.
Freudenberg, W. 1910 A, 13.
Hay, O. P. 1912 D, 772. text-figs. 71-73.
1923 A, 329.
Merrill, G. P. 1907 A, 62.
Trouessart, E. L. 1904 A, 180.
Pleistocene; Ohio.

Ursus vitabilis Gidley.

Gidley, J. W. 1913 B, 96, fig. 1 [U. (Euarctos)].
Hay, O. P. 1923 A, 350.
Pleistocene; Maryland.

Ursus sp. indet.

Freudenberg, W. 1922 A, 4. Pleistocene; Mexico.
Gilmore, C. W. 1908 A, 18. Pleistocene; Alaska.
Hartnagel and Bishop 1921 A, 81. Pleistocene (Wisconsin); New York.
Hay, O. P. 1923 A, 498. Pleistocene (Late); Tennessee.
1927 D, 313 (Ursus); 56, 107, 115 ("bear"). Pleistocene; Arizona, California.
Lucas, F. A. 1898 E, 718 (This genus?). St. Paul Island, Bering Sea.
McConnell, R. G. 1905 A, 29. Pleistocene; Klondike.
McCornack, E. C. 1920 A, 23. Pleistocene (Caves); California.
Merriam, J. C. 1911 B, 214 (This genus?). Pliocene (Thousand Creek); Nevada.
1912 A, 40, figs. 1, 2. Pleistocene (La Brea); California.
1917 A, 429 (This genus?). Pliocene (1000 Creek); Nevada: 439. Pleistocene? (Dunellon); Florida.
Merriam and Stock 1925 A, 10.
Miller, L. H. 1912 A, 70, 73, 81. Pleistocene (Potter Creek and Samwel caves); California: (Fossil Lake); Oregon.
Osborn, H. F. 1925 D, 531. Pleistocene (La Brea); California.
Quackenbush, L. S. 1909 A, 127. Pleistocene; Alaska and Klondike.

Sellards, E. H. 1916 C, 158 ("Ursus indt."). Pleistocene; Florida.
1916 E, 17. Pleistocene; Florida.
Sinclair, W. J. 1903 A, 711 ("sp. nov.").
1904 A, 17 ("Ursus n. sp."); 20 ("Ursus sp. indet.). Pleistocene (Fossil Lake); Oregon.
Stock, C. 1925 A, 30, 113, 195. Pleistocene (La Brea, caves); California: (Christmas Lake); Oregon.
Swarth, H. S. 1915 A, 18. Pleistocene (La Brea); California.

EUARCTOS Gray. Type *Ursus americanus* Pallas.

Gray, J. E. 1864, Proc. Zool. Soc. Lond., 692.
Lockwood, S. 1884 A, 376 (Ursus).
Miller, G. S. 1912 B, 74 (As subgenus).
1924 C, 90.
1927 A, 10.

Euarctos americanus (Pallas).

Unless otherwise indicated, the authors cited use the generic name *Ursus* for this species.

Hay, O. P. 1902 A, 763.
Anderson, R. J. 1902 B, 368.
1909 A, 745.
Baker, F. C. 1920 A, 474.
Brown, A. E. 1904 B, 96.
Brown, B. 1908 A, 183.
Calvin, S. 1911 A, 209, pl. xviii ("bear").
Carruccio, A. 1913 B, 174.
Cleland, J. 1863 B, 298.
Coleman, A. P. 1913 B, 18, 29 ("large bear." This species?).
1914 A, 448 ("bear").
Collett, J. 1883 A, 73 ("bear").
Cope, E. D. 1895 G, 596 (U. arctos).
Cuvier, G. 1825 A, iv, 318, 333, 336 ("ours noir").
Ehrenberg, K. 1926 A, 55.
Elliot, D. G. 1901 A, 313, pl. xxxiv.
Foote, J. S. 1916 A, 106, pl. xii.
Foster, J. W. 1869 A, 253.
1873 A, 91.
Frassetto, F. 1903 A, 177.
Frech and Geinitz 1903 A, 36.
Freudenberg, W. 1910 A, 12, pl. iv, fig. 3 (fig. 1 ?).
1921 A, 138.
1922 A, 4.
Frick, C. 1926 A, 17, 110, 119.
Furlong, E. L. 1904 A, 54.
1906 A, 243.
Gidley, J. W. 1913 B, 96 [U. (Euarctos). This species?].
Goddard, P. E. 1927 A, 68 ("bear").
Grant, M. 1904 B, 192.
Gregory, W. K. 1920 A, 149, fig. 82.
Harlan, R. 1835 C, 329, pl. xiv, fig. 26.
Hartnagel and Bishop 1921 A, 81, pl. xix.
Hasse and Schwarck 1870 A, 103.
Haug, E. 1911 A, 1873, 1887.
Hay, O. P. 1912 D, 770.
1914 A, 26, 32, 475, pl. lxxiii, fig. 7.
1920 B, 106, 117, 141.
1923 A, 498.
1924 D, 247, 252, 296.
1927 D, 214 (Ursus).
1928 C, 425, 428, 429 (Ursus).
Holland, W. J. 1912 B, 750.
Hrdlička, A. 1903 A, 360, fig. 34 ("black bear").
Leidy, J. 1889 H, 18.
Leighton, M. M. 1921 A, 513.
Lockwood, S. 1884 A, 376 (Ursus).
Lydekker, R. 1884 A, 208.
Merriam and Stock 1925 A, 18 (Ursus).
Miller, G. S. 1912 B, 75.
Miller, L. H. 1912 A, 73 (Ursus; subg. Euarctos).
1924 C, 90 (Euarctos).
Newton, E. T. 1913 A, 253 ("american black bear").
Osborn, H. F. 1910 B, 467, 469, 477, 478, 488, 490 (This species?).
Peterson, O. A. 1926 A, 292 (Ursus).
Pocock, R. J. 1914 B, 930, text-figs. 10, 13.
1921 B, 405, fig. 8 (Euarctos).
Rhoads, S. N. 1903 A, 228.
Scharff, R. F. 1911 A, 28.
Schmidt, E. 1872 A, 245.
Scott, W. B. 1913 A, 548, fig. 274.
Seton, E. T. 1909 A, 1052, pls. xcii, xcvii; text-figs. 242-247, maps 55, 56.
Shimek, B. 1902 A, 285.
1910 B, 334 ("Ursus." This species?).
Smallwood, W. M. 1903 A, 26.
Smith, B. 1914 B, 65, pl. i.
Stromer, E. 1902 A, 145.
Tornier, G. 1910 A, 558, fig. 8.
Usher, W. 1854 A, 349 ("Ursus").
Van Deinse, A. B. 1912 A, 348.
Virchow, H. 1909 A, 421.
1910 A, 10.
1913 A, 41, 52, fig. 4.
Weidenreich, F. 1922 B, 133, fig. 28.
Whittlesey, C. 1866 A, 16 ("bear." This species?).
Zdansky, O. 1928 A, 33, 40 (Ursus).
Pleistocene; Iowa, Maryland, Illinois, Texas, Mexico.

Euarctos floridanus (Merriam).

Unless otherwise indicated, the authors, as cited, use for this species the generic name *Ursus*.

Merriam, C. H. 1896 A, 81.
Baker, F. C. 1920 A, 474.
Bangs, O. 1898 A, 221.
Elliot, D. G. 1901 A, 314.
Gidley, J. W. 1927 E, 274 (This species?).
Grant, M. 1904 B, 192.
Hay, O. P. 1917 E, 46.
1920 B, 94, pl. iii, figs. 17-20.
1923 A, 382, 395.
1927 D, 274.
Merriam, C. H. 1896 A, 66.
Miller, G. S. 1912 B, 76.
Trouessart, E. L. 1904 A, 181.
Recent: Florida: Pleistocene; Florida, Tennessee.

THALARCTOS Gray. Type *Ursus maritimus* Phipps.

Gray, J. E. 1825 A, 62.
Miller, G. S. 1924 C, 106.
Stejneger, L. 1928 A, 157.
Weber and Abel 1928 A, 331 (Ursus).

Thalarctos maritimus (Phipps).

Phipps, C. J. 1744, Voyage toward North Pole, 185 (Ursus).
Elliot, D. G. 1901 A, 310, pl. xxxii [Ursus (Thalassarctus)].
Lucas, F. A. 1898 E, 718 ("bear").
Miller, G. S. 1912 A, 298, figs. 54-57.
Preble, E. A. 1923 A, 103.
Recent; Arctic regions: Pleistocene?; St. Paul's Island, Bering Sea.

ARCTOTHERIUM Bravard. Species *A. latidens, A. angustidens* Bravard.

Bravard, A. 1857, Observ. Géol. sur le bassin de la Plata.
Hay, O. P. 1902 A, 763 (Arctodus, in part).
Chardin, T. 1922 A, 25.
Ameghino, C. 1916 A, 285.
Ameghino, F. 1885 A, 20, 146, 204.
1889 A, 1006.
1902 C, 226.
1904 B, 39.
1905 C, 448, fig. 93 (Arctotherium); 447 (Arctotherinæ).
1906 A, 397.
1912 A, 60.
1912 B, 177 (Arctotherium); 178 (Arctotherinæ).
Barbour, E. H. 1916 A, 352.
Beddard, F. E. 1902 A, 445.
Boule and Thevenin 1920 A, 231.
Burmeister, H. 1866 B, 144 (Ursus).
1879 B, 169 (Ursus).
Cope, E. D. 1880 U, 158.
1899 A, 221 (Tremarctos).
Flower and Lydekker 1891 A, 561, fig. 257.
Frech and Geinitz 1903 A, 36, 39
Freudenberg, W. 1910 A, 6.
Frick, C. 1921 A, 341.
1926 A, 18, 47, 78.
Gervais, P. 1855 A, 7, pl. iv, figs. 1-3 (Ursus).
1855 B, 332, pl. v, fig. 1 ("grands ours").
1859 A, 189.
1873 B, 16, 41, pl. xxv (Ursus, Arctotherium).
Gidley, J. W. 1912 C, 19.
1928 A, 430.
Giebel, C. G. 1878 C, 854.
1883 A, 124 (Arctodon).
Gill, T. 1881 A, 387.
Hay, O. P. 1912 B, 14 (Arctodus).
1925 D, 245.
Heilprin, A. 1887 A, 389.
Ihering, H. 1910 A, 175.
Kraglievich, L. 1926 A, 2.
Lambe, L. M. 1911 A, 21.
Lockwood, S. 1884 A, 373.
Lydekker, R. 1885 B, 157.
Matthew, W. D. 1910 G, 155, 159.
1915 A, 198.
1915 K, 402.
1924 C, 121.
1924 E, 748.
1928 B, 971.
Merriam, J. C. 1911 A, 163 (Arctodus).
1912 A, 40.
1915 G, 101.
1921 B, 184 ("arctotheres").
1924 A, 352.
Merriam and Stock 1925 A, 3-35, fig. 1.
1927 A, 43.
Merriam, Stock, Moody 1916 A.
1925 A, 62.
Miller, L. H. 1915 B, 71.
Neuville, H. 1915 A, 9 (Arctitherium).
Osborn, H. F. 1909 D, 87, 89.
1910 B, 606.
Palmer, T. S. 1904 A, 119, 837.
Peterson, O. A. 1926 A, 286.
Pilgrim, G. E. 1914 A, 228.
Roth, S. 1908 A, 138 ("arctotherien").
Rusconi, C. 1927 A, 279, figs. 1-4.
Scharff, R. F. 1911 A, 351.
Scott, W. B. 1913 A, 205, 549, 622, 676.
1916 A, 119 ("short-faced bears").
Simpson, G. G. 1926 L, 174.
Stock and Furlong 1926 A, 46.
Trouessart, E. L. 1904 A, 181 (Syn. of Tremarctos).
Winge, H. 1895 B, 31, pl. vi, figs. 1-4; pl. vii (Ursus).
1896 A, 118 (Ursus).
1924 A, 197.
Woodward, A. S. 1900 G, 75.
1902 A, 326.
Zittel and Schlosser 1911 A, 391 (Arctodus).
1923 A, 472, 680, 681.

Arctotherium californicum Merriam.

Merriam, J. C. 1911 A, 164, figs. 1-3.
Abel, O. 1926 B, 237.
Gidley, J. W. 1928 A, 431.
Hay, O. P. 1927 D, 184, 191, 213.
Kraglievich, L. 1926 A, 8, 13, fig. 1 (Tremarctotherium).
Merriam, J. C. 1912 A, 39.
Merriam and Stock 1925 A, 7, 15, 19, 23, 24, 31, pl. iii; pl. iv, figs. 1, 2; pl. v, fig. 2; pl. vi, figs. 2-9; pl. vii; pl. viii, figs. 1-9; pls. ix, x; text-figs. 1-6.
Miller, L. H. 1912 A, 78.
Osborn, H. F. 1925 D, 529, 531.
Rusconi, C. 1927 A, 282 (Arctotherium); 286, 289 (Tremarctotherium).
Stock, C. 1925 A, 30.
Wyman, L. E. 1922 A, 23 ("Arctotherium").
Pleistocene (La Brea); California.

Arctotherium simum Cope.

Hay, O. P. 1902 A, 763 (Arctodus).
Ameghino, F. 1885 A, 148.
1889 A, 320.
Freudenberg, W. 1910 A, 7, pl. i, fig. 1; pl. iii, fig. 1; pl. iv, fig. 2; text-fig. 1.
1921 A, 137, 138.

Freudenberg, W. 1922 A, 4.
Gidley, J. W. 1928 A, 431.
Gill, T. 1881 A, 387.
Hay, O. P. 1918 B, 26.
1927 D, 197, 215.
Kraglievich, L. 1926 A, 8, 13.
Le Conte, J. 1882 B, 8 ("bear").
Lockwood, S. 1884 A, 407.
Merriam, J. C. 1912 A, 41, fig. 3.
Merriam and Stock 1921 A, 567 (This species?).
1925 A, 3, 7, 10, 11, 13, 19, 24, pls. i, ii; pl. iv, fig. 3; pl. v, fig. 6; pl. vi, fig. 1; pl. viii, fig. 3; text-fig. 6.
Merriam, Stock, and Moody 1916 A, 95.
1925 A, 64.
Miller, L. H. 1912 A, 70.
Osborn, H. F. 1910 B, 477 ("Arctotherium").
1925 D, 533.
Rusconi, C. 1927 A, 286, 289 (Tremarctotherium).
Sinclair, W. J. 1903 A, 708, 711.
Sinclair, W. J. 1904 A, 17.
Stock, C. 1925 A, 113.
Swarth, H. S. 1915 A, 18 ("Arctotherium").
Yates, L. G. 1903 A, 118.
Pleistocene (Potter Creek cave); California: Mexico.

Arctotherium yukonense Lambe.

Lambe, L. M. 1911 A, 24, pls. i-iii.
Abel, O. 1914 A, 77, fig. 43.
Gidley, J. W. 1928 A, 431.
Kraglievich, L. 1926 A, 16 (To Tremarctotherium).
Lambe, L. M. 1911 B, 271 (A. simum).
1912 A, 14.
Merriam and Stock 1925 A, 7, 9.
Pleistocene; Yukon.

Arctotherium sp. indet.

Matthew, W. D. 1918 A, 226, 229 (This genus?).
Pleistocene (Sheridan); Nebraska.

TREMARCTOS Gervais. Type *Ursus ornatus* F. Cuvier.

Gervais, P. 1855, Nat. Hist. Mamm., II, 20-21, text-fig.
Ameghino, F. 1885 A, 150.
Cope, E. D. 1899 A, 221.
Gidley, J. W. 1928 A, 430 (Tremarctos, Tremarctinæ).
Kraglievich, L. 1926 A, 2, 8.
Peterson, O. A. 1926 A, 287.

Tremarctos sp. indet.

Gidley, J. W. 1925 A, x.
1927 E, 274.
Pleistocene; Florida.

INDARCTUS Pilgrim. Type *I. salmontanus* Pilgrim.

Pilgrim, G. E. 1913 A, 290.
Frick, C. 1926 A, *passim* (Indarctos).
Kraglievich, L. 1926 A, 2 (Indarctos).
Matthew, W. D. 1928 B, 971 (Indarctos).
Merriam, J. C. 1917 A, 428, 443 (Indarctos).
1924 C, 115 (Indarctos).
Merriam and Stock 1925 A, 5, 12 (Indarctos).
1925 B, 64 (Indarctos).
Merriam, Stock, Moody 1916 A, 93 (Indarctos).
1925 A, 64 (Indarctos).
Osborn, H. F. 1918 A, 24, 33 (Indarctos).
Pilgrim, G. E. 1914 A, 225, pl. xx.
Rusconi, C. 1927 A, 282 (Indarctos).
Zdansky, O. 1924 B, 16 (Indarctos).
Zittel and Schlosser 1923 A, 471, 680 (Indarctos).

Indarctus? oregonensis Merriam, Stock and Moody.

Merriam, Stock, Moody 1916 A, 90, figs. 1-4, 8, 9, 13, 15-22 (Indarctos).
Frick, C. 1921 A, 341, 345, 346 (Indarctos).
Frick, C. 1926 A, 44, 77, 81, 89, tab. 2, figs. 26, 30 (Indarctos).
Kraglievich, L. 1926 A, 8 (Indarctos).
Merriam, J. C. 1917 A, 428 (Indarctos?).
Merriam and Stock 1925 A, 6, 11, pl. v, figs. 3, 4; text-fig. 1 (Indarctos).
1927 A, 43, pl. i (Indarctos near oregonensis).
Merriam, Stock, and Moody 1925 A, 58, 61, figs. 11-16 (Indarctos).
Rusconi, C. 1927 A, 282.
Stock, C. 1925 A, 18 (Indarctos. This genus?).
Stock and Furlong 1926 A, 46 (Indarctos?).
Zdansky, O. 1924 B, 22, 23 (Indarctos).
Pliocene (Rattlesnake); Oregon.

Indarctus sp. indet.

Matthew, W. D. 1918 A, 185 (Indarctos).
Miocene (Snake Creek); Nebraska.
Merriam, Stock, Moody 1925 A, 58, 65, fig. 17 (This genus?). Pliocene (Rattlesnake); Oregon.

ARCTODUS Leidy. Type *A. pristinus* Leidy.

Leidy, J. 1854 C, 90.
Hay, O. P. 1902 A, 763.
Freudenberg, W. 1901 A, 6.
Gidley, J. W. 1928 A, 430.
Kraglievich, L. 1926 A, 14.
Merriam and Stock 1925 A, 7.
Palmer, T. S. 1904 A, 118, 837.
Peterson, O. A. 1926 A, 286.
Trouessart, E. L. 1904 A, 181.
Wallace, A. R. 1876 A, II, 202.
Weber and Abel 1928 A, 340.
Zittel and Schlosser 1911 A, 391.
1923 A, 472.

Arctodus floridanus Gidley.

Gidley, J. W. 1928 A, 432.
Early Pleistocene; Florida.

Arctodus haplodon (Cope).

Hay, O. P. 1902 A, 763.
Baker, F. C. 1920 A, 208, 214, 397.
Cope, E. D. 1895 F, 446 (Arctotherium pristinum).
Frech and Geinitz 1903 A, 36 (Ursus).
Freudenberg, W. 1910 A, 9 (Syn. ? of Arctodus pristinus).
Gidley, J. W. 1928 A, 431.
Haug, E. 1911 A, 1886 (Arctotherium).
Hay, O. P. 1923 A, 479 (Arctotherium).
Holland, W. J. 1908 A, 231.
1912 B, 750.
Kraglievich, L. 1926 A, 15 ("haplodon").
Merriam and Stock 1925 A, 5, 7 (Arctotherium).
1927 A, 43 (Arctotherium).
Osborn, H. F. 1910 B, 469, 471.
Peterson, O. A. 1926 A, 286, pls. xxiv, xxv (Arctotherium).
Rhoads, S. N. 1903 A, 228 (Arctotherium).
Schlosser, M. 1899 M, 362 (Ursus).
1902 H, 141 (Ursus).
Pleistocene (Port Kennedy and Frankstown caves); Pennsylvania.

Arctodus pristinus Leidy.

Hay, O. P. 1902 A, 763.
Freudenberg, W. 1910 A, 9 (Arctotherium).
Hay, O. P. 1923 A, 363.
Kraglievich, L. 1926 A, 14.
Merriam and Stock 1925 A, 7.
Pleistocene; South Carolina, Mexico?

AGRIOTHERIUM Wagner. Type *Ursus sivalensis* Falconer and Cautley.

Wagner, A. 1837, Gelehrte Anz. Bayer. Akad., v, 335.
Ameghino, F. 1885 A, 150 (Hyænarctos).
Arldt, T. 1907 D, 659 (Hyænarctos).
Blainville, H. M. 1864 A (1841) II, fasc. ix, 96, 100 (Amphiarctos); 113 (Sivalarctos).
Bose, P. N. 1880 A, 119 (Hyænarctos).
Cautley and Falconer 1836 A, 192 (Ursus).
Falconer, H. 1868 A, I, 321, 551, pl. xxvi and explan. [Ursus (Hyænarctos)].
Falconer and Cautley 1845, in Owen, R. 1845 B, pt. iii, 504, 505 (Hyænarctos).
1846 A, 131 [Ursus (Hyænarctos)].
Falconer and Murchison 1867 A, 131 [Ursus (Hyænarctos)].
Flower, W. H. 1877 A, 534, 2 figs. (Hyænarctos).
Freudenberg, W. 1910 A, 13 (Hyænarctos).
Frick, C. 1926 A, 5, 7, 17, 59, 64, 70, figs. 1, 19-41 (Hyænarctos).
Gaillard, C. 1898 A, 1239 (Hyænarctos).
Gaudry, A. 1891 C, 53, fig. 21 (Hyænarctos).
Gervais, P. 1853 C, 229, pl. xii (Hyænarctos).
1859 A, 207, pl. lxxx (Hyænarctos).
Hoernes, R. 1886 A, 693 (Hyænarctos).
Kraglievich, L. 1926 A, 2 (Hyænarctos).
Lockwood, S. 1884 A, 407 (Hyænarctos).
Lydekker, R. 1884 A, 219, pls. xxix-xxxi (Hyænarctos).
1885 B, 150 (Hyænarctos).
Matthew, W. D. 1924 C, 108, 115, 121 (Hyænarctos, Hyænarctus); 115 (Agriotherium).
1928 B, 971, 974, fig. 13 (Hyænarctos).
Merriam, J. C. 1917 A, 433 (Hyænarctos).
Owen, R. 1845 B, 505, pl. cxxxi (Hyænarctos).
Romer and Sutton 1927 A, 458 (Hyænarctos).
Sellards, E. H. 1916 B, 98.
Stehlin, H. G. 1907 A, 219 (Hyænarctos).
Weber and Abel 1928 A, 340 (Hyænarctos).

Agriotherium gregoryi (Frick).

Frick, C. 1921 A, 342, figs. 49-51 (Hyænarctos).
1926 A, 30, 65, 74, 81, 83, tab. 2, figs. 19, 27, 35 (Hyænarctos gregori).
1926 C, 441 (Hyænarctos gregori).
Gregory and Hellman 1923 B, 523, figs. 11-13 (Hyænarctos).
Kraglievich, L. 1926 A, 8 (Hyænarctos).
Merriam and Stock 1925 A, 8, 13 (Hyænarctos).
Stock, C. 1925 A, 21 (Hyænarctos).
Lower Pliocene (Eden); California.

Agriotherium schneideri Sellards.

Sellards, E. H. 1916 B, 98, pl. xii, figs. 1, 2.
Frick, C. 1921 A, 341.
1926 A, 63, 75, 81, 84, tab. 2, figs. 26, 28, 36 (Hyænarctos).
Hay, O. P. 1923 A, 380.
Merriam, J. C. 1917 A, 439.
Merriam and Stock 1925 A, 18, 20, pl. v, fig. 7.
Pliocene (Bone Valley); Florida.

Agriotherium sp. indet.

Freudenberg, W. 1910 A, 13, pl. ii, fig. 2; pl. iii, fig. 3; text-fig. 3 (Hyænarctos). Pliocene?; Mexico.
1921 A, 131 (Hyænarctos). Miocene; Mexico.
1922 A, 4 (Hyænarctos). Pliocene; Mexico.
Frick, C. 1926 A, 65, 85, tab. 2, figs. 29, 38 (Hyænarctos). Pliocene; Mexico; 80, 81 (Hyænarctos). Pliocene (Upper Snake Creek); Nebraska.
Matthew, W. D. 1923 A, 12 (Hyænarctos). Lower Pliocene (Upper Snake Creek); Nebraska.
1924 C, 65 (Hyænarctus); 116 (Hyænarctos). Lower Pliocene (Upper Snake Creek); Nebraska.

DINARCTOTHERIUM Barbour.

Barbour, E. H. 1916 A, 349, 353 (Dinarctotherium; Gigantofelis, an alternative name).
Rusconi, C. 1927 A, 282.
A genus of somewhat uncertain position.

Dinarctotherium merriami Barbour.

Barbour, E. H. 1916 A, 349, figs. 1-6.
Frick, C. 1921 A, 342.
Rusconi, C. 1927 A, 283, 286.
Pleistocene; Nebraska.

MUSTELIDÆ Swainson.

Swainson, W. 1835, Nat. Hist. and Class. Quad., VII, 102, 361.
Hay, O. P. 1902 A, 765.
Abel, O. 1912 F, 501.
1913 B, 716.
1914 A, 77.
1919 A, 743.
Ameghino, F. 1889 A, 1019.
1906 C, 41 ("mustélidés").
Anthony, R. 1905 A, 854 ("mustélidés").
1912 A.
Arldt, T. 1907 D, 666.
1912 A, 702.
Bayer, F. 1897 A, 147.
Beddard, F. E. 1902 A, 431.
Behlen, H. 1907 A ("musteliden").
Birula, A. A. 1910 A, 318.
1913 A, 274.
Boas, J. E. V. 1914 B, 580 ("musteliden").
Bonaparte, C. L. 1832 A, 287 (Mustelina).
Brandt and Woldrich 1887 A, 49 (Mustelina).
Carlson, A. 1921 A, 71.
Carus, V. 1875 A, 127 (Mustelida).
Case, E. C. 1899 B, 180.
Chandler, A. C. 1914 B, 134.
Depéret, C. 1906 A, 619.
1906 B, 1121 ("mustélidés").
1907 B ("mustélidés").
1908 A, 306.
1912 A, 708 ("mustélidés").
Doran, A. H. G. 1878 A, 395, 406.
Elliot, D. G. 1901 A, 319.
Frassetto, F. 1903 A, 222.
Fuchs, H. 1906 A, 12 ("musteliden").
Gervais, P. 1859 A, 243 ("mustélidés").
Giebel, C. G. 1878 C, 854 ("mustelinen").
1883 A ("mustelinen").
Grant, M. 1904 B, 193, 205.
Gray, J. E. 1821 A, 301 (Mustelladæ).
Gregory, W. K. 1920 A, 156.
Hay, O. P. 1914 A, 479.
1923 A, 312.
Hilzheimer, M. 1913 A, 566.
Hoernes, R. 1886 A, 693.
Ihering, H. 1910 A, 168.
Jaeger, G. F. 1842 A, 435 ("mustelen").
Kampfen, P. N. 1905 A, 532.
Leche, W. 1887 A.
1910 A, 450.
1915 A, 322.
Leunis and Ludwig 1883 A, 194.
Lobley, J. L. 1908 A, 194, 200, 204.
Lockwood, S. 1884 A, 385.
Lydekker, R. 1903 D, 124 ("weasel-tribe").
Mackie, S. J. 1863 D, 340.
Matthew, W. D. 1901 A, 7.
1905 D, 40.
1907 A, 179, 193, 194, 198, 199.
1909 C, 103, 105, 107, 110, 112, 114, 116, 118, 120.
1909 D, 330, 414.
1915 A, 221.
1915 K, 445, fig. 17.
1924 C, 128.
1928 B, 973, 974, fig. 13.
Matthew and Granger 1924 A, 6.
Mead, C. S. 1906 A, 481.
Meckel, J. F. 1825 A ("mustelen").
Miller, G. S. 1912 A, 340.
1912 B, 92.
1923 A, 13.
1924 C, 114.
Neuville, H. 1915 A, 9 ("mustélidés").
O'Harra, C. C. 1910 A, 84, 130, 133.
1920 A, 87.
Osborn, H. F. 1905 I, 103, 106.
1909 D, 130.
1910 B, 624.
Owen, R. 1868 A, 894.
Palmer, T. S. 1904 A, 755, 830.
Perna, G. 1906 A, 122 (Mustelina).
Pilgrim, G. E. 1913 A, 290.
Pocock, R. I. 1914 B, 913.
1918 B, 307.
1921 A, 803, 829.
Pohl, L. 1909 A, 381 ("musteliden").
1911 A, 126.
Rehs, J. 1914 A, 56.
Retterer, E. 1916 A, 765 ("mustélidés").
Reynolds, S. H. 1912 A, 1, 12, pls. i-viii.
Römer, F. 1907 A, 72 ("musteliden").
Schlosser, M. 1902 J, 256 ("musteliden").
Schwalbe, G. 1904 A, 207 ("musteliden").
Scott, W. B. 1913 A, 517, 518, 550, 686.
Seton, E. T. 1909 A, 817.
Steinmann, G. 1907 A, 473.
Stromer, E. 1902 A.
Taschenberg, O. 1899 A, 4635.
Terra, P. 1911 A, 282.
Trouessart, E. L. 1904 A, 187.
Vicq-d'Azyr, F. 1792 A, civ (Mustelini).
Wallace, A. R. 1876 A, I, 144; II, 198.
1894 A, 435.
Weber, M. 1904 A, 536.
Weber and Abel 1928 A, 308, 318, 332.
Winge, H. 1896 A, 126, 127.
1924 A, 178, 192, 200, 204, 243.
Wortman, J. L. 1901 B, XII, 143.
1920 A, 17 ("mustelines").
Zittel and Schlosser 1911 A, 392.
1923 A, 472, 482, 670.

MUSTELINÆ Gill.

Gill, T. 1872 B, 6, 64.
Hay, O. P. 1902 A, 766.
Arldt, T. 1907 B, 449 ("mustelinen").
Beddard, F. E. 1902 A, 433.
Birula, A. 1910 A, 320.
Coues, E. 1877 A, 9, 33.
Elliot, D. G. 1901 A, 333.
Giebel, C. G. 1855 A, 32.
Gray, J. E. 1869 A, 81 (Mustelina).
Hensel, R. 1879 A, 540 ("mustelinen").
Ihering, H. 1910 A, 168.
Leche, W. 1910 A, 450 (Mustelini).
Lydekker, R. 1884 A, 178.
1912 B, 222.
Miller, G. S. 1912 A, 364 (Mustelinæ).
1912 B, 92.

Miller, G. S. 1924 C, 114.
Osborn, H. F. 1910 B, 530.
Palmer, T. S. 1904 A, 755, 830 (Mustelini).
Pocock, R. I. 1921 A, 803, 832 (Mustelinæ, Martinæ).
Steenstrup and Sundevall 1860 A, 272 ("mustelinen").
Trouessart, E. L. 1904 A, 197.
Weber and Abel 1928 A, 333.
Winge, H. 1924 A, 178, 200, 204 (Mustelini).
Zdansky, O. 1924 B, 31 (Martinæ); 28 (Putoriinæ).
Zittel and Schlosser 1911 A, 392, 394 (Putoriinæ, Martinæ).
1923 A, 474 (Martinæ, Putoriinæ).

BUNÆLURUS Cope. Type *B. lagophagus* Cope.

Hay, O. P. 1902 A, 767.
Chardin, T. 1915 A, 181 (Bunailurus).
Depéret, C. 1912 A, 708.
Haug, E. 1911 A, 1528.
Leche, W. 1915 A, 345.
Matthew, W. D. 1902 B, 137.
1905 D, 41, fig. 16.
1909 C, 110.
1915 K, 420.
1924 C, 130.
Matthew and Granger 1924 A, 6.
1924 B, 8, fig. 6.
Osborn, H. F. 1907 G, 141, fig. 101.
1909 D, 63.
1910 B, 214, 530.
Palmer, T. S. 1904 A, 147, 830.
Scott, W. B. 1913 A, 551.
Wallace, A. R. 1876 A, I, 134.
Wortman, J. L. 1901 B, XII, 145.
Zittel and Schlosser 1911 A, 393.
1923 A, 473.

Bunælurus infelix Matthew.

Matthew, W. D. 1903 B, 210.
1909 C, 103.
Oligocene (Lower); Montana.

Bunælurus lagophagus Cope.

Hay, O. P. 1902 A, 767.
Matthew, W. D. 1901 B, 357.
1902 A, 137, figs. 1-3.
1909 C, 105.
Trouessart, E. L. 1904 A, 201.
Zittel and Schlosser 1911 A, 393, fig. 559.
1923 A, 473, fig. 598.
Oligocene (White River); Colorado.

OLIGOBUNIS Cope. Type *Octocyon crassivultus* Cope.

Hay, O. P. 1902 A, 770.
Heilprin, A. 1887 A, 388.
Lydekker, R. 1908 A, 507.
Matthew, W. D. 1907 A, 174, 181, 193, 199.
1909 C, 110, 118.
1924 C, 129.
Merriam, J. C. 1906 A, 33, 59.
Osborn, H. F. 1909 D, 66, 75.
1910 B, 230, 288, 530.
1912 G, 249.
Palmer, T. S. 1904 A, 473, 825.
Peterson, O. A. 1910 A, 275.
Pilgrim, G. E. 1912 A, 13.
Schlosser, M. 1902 A, 137.
Scott, W. B. 1913 A, 551.
Studer, Th. 1906 A, 56 (Oligobænus).
Weber, M. 1904 A, 542.
Wortman, J. L. 1901 B, XI, 449.
Zittel and Schlosser 1911 A, 394.
1923 A, 474, 672.

Oligobunis crassivultus Cope.

Hay, O. P. 1902 A, 770.
Matthew, W. D. 1907 A, 193.
1909 C, 107.
Merriam, J. C. 1906 A, 5.
Merriam and Sinclair 1907 A, 184.
Thorpe, M. R. 1921 C, 482.
Trouessart, E. L. 1904 A, 222.
Oligocene (John Day); Oregon.

Oligobunis darbyi Thorpe.

Thorpe, M. R. 1921 C, 480, figs. 4, 5.
Lower Miocene (Lower Harrison); Nebraska.

Oligobunis lepidus Matthew.

Matthew, W. D. 1907 A, 172, 194, figs. 8, 9.
Cook, H. J. 1909 D, 270, fig. 6 (This species?).
1912 D, 40 (This species?).
Leche, W. 1915 A, 346.
Matthew, W. D. 1909 C, 112 (O. lepidus); 193 (var. robustior).
O'Harra, C. C. 1920 A, 155.
Peterson, O. A. 1910 A, 276.
Thorpe, M. R. 1921 C, 483 (var. robustior).
Lower Miocene (Upper Rosebud); South Dakota: (Lower Harrison); Nebraska.

Oligobunis sp. indet.

Matthew, W. D. 1909 C, 105 (This genus?).
Oligocene (Brule); South Dakota, etc.

PAROLIGOBUNIS Peterson. Type *Brachypsalis simplicidens* Peterson.

Peterson, O. A. 1910 A, 269, 275.
Matthew, W. D. 1924 C, 129.
Zittel and Schlosser 1911 A, 393.
1923 A, 474.

Paroligobunis simplicidens Peterson.

Peterson, O. A. 1906 C, 35, 44, fig. 10 (Brachypsalis).
Cook, H. J. 1912 D, 40.
Matthew, W. D. 1909 C, 112 (Brachypsalis?).
O'Harra, C. C. 1920 A, 155 (Paroligobunis, Brachypsalis?).
Peterson, O. A. 1910 A, 269, figs. 64-68.
Lower Miocene (Harrison); Nebraska.

PARICTIS Scott. Type *P. primævus* Scott.

Hay, O. P. 1902 A, 767.
Matthew, W. D. 1924 C, 130.

Paricitis primævus Scott.

Hay, O. P. 1902 A, 767.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 184.
Upper Oligocene (John Day); Oregon.

ÆLUROCYON Peterson. Type *A. brevifacies* Peterson.

Peterson, O. A. 1906 C, 68.
Matthew, W. D. 1907 A, 179, 203.
1909 C, 118.
1924 C, 130.
Moodie, R. L. 1918 D, 506, 508, fig. 37 (Æleurocyon).
1923 B, 126, pl. xxiii.
Osborn, H. F. 1909 D, 74.
1910 B, 280, 530.
1912 G, 249.
Peterson, O. A. 1910 A, 278.
Scott, W. B. 1913 A, 551.
Zittel and Schlosser 1911 A, 393.
1923 A, 474, 672.

Ælurocyon brevifacies Peterson.

Peterson, O. A. 1906 C, 68, figs. 17-19.
Cook, H. J. 1912 D, 42 (A. brevifaces).
Matthew, W. D. 1909 C, 112.
O'Harra, C. C. 1920 A, 155.
Miocene (Lower); Nebraska.

BRACHYPSALIS Cope. Type *B. pachycephalus* Cope.

Cope, E. D. 1890 I, 951.
Hay, O. P. 1902 A, 768 (Pomatotherium, *errore*).
Matthew, W. D. 1909 C, 118.
1924 C, 129, 131.
Osborn, H. F. 1909 D, 74, 80.
1910 B, 530.
Palmer, T. S. 1904 A, 143, 830.
Scott, W. B. 1913 A, 517.
Zittel and Schlosser 1911 A, 394.
1923 A, 474.

Brachypsalis marshalli Martin.

Martin, H. T. 1928 A, 233, pl. xx.
Pliocene; Kansas.

Brachypsalis? matutinus Matthew.

Matthew, W. D. 1924 C, 65, 133, figs. 32, 33.
Upper Miocene (Sheep Creek); Nebraska.

Brachypsalis modicus Matthew.

Matthew, W. D. 1918 A, 185, 195, figs. 4, 5.
1924 C, 65, 131, figs. 30, 31.
Thorpe, M. R. 1922 E, 443.
Miocene (Upper Snake Creek); Nebraska.

Brachypsalis obliquidens Sinclair.

Sinclair, W. J. 1915 A, 76, 79, fig. 3.
Matthew, W. D. 1918 A, 185, 196.
1924 C, 65, 131.
Merriam, J. C. 1917 A, 436.
Thorpe, M. R. 1922 E, 443.
Miocene (Lower Snake Creek); Nebraska.

Brachypsalis pachycephalus Cope.

Hay, O. P. 1902 A, 768 (Pomatotherium, *errore*).
Matthew, W. D. 1904 C, 245.
1909 C, 116.
1924 C, 131, 133.
Merriam, J. C. 1917 A, 436.
Peterson, O. A. 1910 A, 277, fig. 69.
Sinclair, W. J. 1915 A, 76.
Thorpe, M. R. 1922 E, 443.
Miocene? (Arikaree); Nebraska: (Ogallala); Kansas.

Brachypsalis sp. indet.

Matthew, W. D. 1923 A, 12. Pliocene (Upper Snake Creek); Nebraska.

MEGALICTIS Matthew. Type *M. ferox* Matthew.

Matthew, W. D. 1907 A, 172, 179, 195, 199, 203.
1909 C, 118.
1909 D, 415.
Osborn, H. F. 1909 D, 75.
1912 G, 249.
Scott, W. B. 1913 A, 551.
Zittel and Schlosser 1911 A, 393.
1923 A, 474, 672.

Megalictis ferox Matthew.

Matthew, W. D. 1907 A, 172, 196, 197, 202, figs. 10-16.
1909 C, 112.
O'Harra, C. C. 1910 A, 84, 130.
1920 A, 155.
Miocene (Upper Rosebud); South Dakota.

MARTES Pinel. Type *M. foina* Erxleben.

Pinel, — 1792, Actes Soc. d'Hist. Nat., Paris, 1, 55.
Chardin, T. 1915 A, 181.
Cuvier, F. 1807 A, 120 ("martes").

Cuvier, F. 1825 A, 86, pls. xxvi, xxvii ("martes").
Cuvier, G. 1825 A, IV, 239, pl. xvii.
Doran, A. H. G. 1878 A, 396, pl. lix.
Fischer, J. B. 1829 A, 214.
Gervais, P. 1852 A, 117.
1859 A, 247.
Gidley, J. W. 1927 C, 240.
Hasse and Schwarck 1870 A, 96.
Hensel, R. 1853 A, 16.
Köstlin, O. 1844 A.
Meckel, J. F. 1825 A.
Merriam, J. C. 1915 F, 259 ("marten").
Miller, G. S. 1912 A, 365.
1924 C, 114.
1927 A, 12.
Palmer, T. S. 1904 A, 400, 832.
Pocock, R. I. 1918 B, 309, fig. d.
Retzius, A. 1849 A, 624.
Reynolds, S. H. 1912 A, 3, pl. ii (Mustela).
Schlosser, M. 1924 A, 14.
Scott, W. B. 1913 A, 551.
Seton, E. T. 1909 A, 901.
Wallace, A. R. 1876 A, II, 198.
Weber and Abel 1928 A, 333.

Martes americana (Turton).

Turton, W. 1806, Syst. Nat., I, 60 (Mustela).
Hay, O. P. 1902 A, 767 (Mustela).
Elliot, D. G. 1901 A, 334, fig. 66 (Mustela).
Miller, G. S. 1912 B, 92.
1924 C, 114.
Osborn, H. F. 1909 D, 90 (Mustela).
Seton, E. T. 1909 A, 901, pls. lxxix, lxxxi; text-figs. 216-221, map 49.
Sinclair, W. J. 1915 A, 80.
Recent; eastern North America: Late Pleistocene?; caves at Carlisle, Pennsylvania.

Martes caurina nobilis Hall.

Hall, E. R. 1926 A, 127, pl. xiv.
Hay, O. P. 1927 D, 214, 215.
Miller, G. S. 1924 C, 115 (M. caurina).
Pleistocene (caves); California.

Martes kingseyi Gidley.

Gidley, J. W. 1927 C, 239, fig. 1.
Miocene (Madison Valley); Montana.

Martes pennanti Erxleben.

Hay, O. P. 1902 A, 767 (Mustela).
Brown, B. 1908 A, 179 (Mustela).
Elliot, D. G. 1901 A, 337 (Mustela).
Haug, E. 1911 A, 1887 (Mustela).
Hay, O. P. 1914 A, 32.
1924 D, 252.
Lockwood, S. 1884 A, 404 (Mustela).
Matthew, W. D. 1915 K, 402.
Miller, G. S. 1912 B, 94.
1924 C, 115.
Osborn, H. F. 1910 B, 488 (Mustela).
Seton, E. T. 1909 A, 926, text-figs. 222, 223, map 50.
Recent; northern North America: Pleistocene? (Late); Pennsylvania.

Martes sp. indet.

Gidley, J. W. 1920 B, 283 ("martens"). Pleistocene (Middle); Maryland.
Stock, C. 1925 A, 20. Lower Pliocene (Pinole-Orinda-Siesta); California.

PLIONICTIS Matthew. Type *P. ogygia* Matthew.

Matthew, W. D. 1924 C, 135.

Plionictis glareæ (Sinclair).

Sinclair, W. J. 1915 A, 76, 80, fig. 4 (Martes).
Matthew, W. D. 1918 A, 185, 195 (Martes).
1924 C, 65, 71 (Plionictis); 135 (M.).
Merriam, J. C. 1917 A, 436 (Martes).
Upper Miocene (Lower Snake Creek); Nebraska.

Plionictis ogygia (Matthew).

Matthew, W. D. 1901 B, 358, 374, 383, text-figs. 8, 9 (Mustela).
1905 D, 41, fig. 17 (Mustela).
1909 C, 114 (Mustela).
1924 C, 71, 135 (Mustela, Plionictis).
Sinclair, W. J. 1915 A, 80 (Martes).
Trouessart, E. L. 1904 A, 204 (Mustela).
Middle Miocene (Pawnee Creek); Colorado.

Plionictis parviloba (Cope).

Cope, E. D. 1890, in Scott and Osborn 1890 B, 71 (Mustela parviloba. To replace *Ælurodon mustelinus* preoccupied).
Hay, O. P. 1902 A, 767 (Mustela).
Matthew, W. D. 1901 B, 383 (Mustela).
1909 C, 114 (Mustela).
1924 C, 65, 71, 136, fig. 35 (Plionictis); 135 (M.).
Sinclair, W. J. 1915 A, 81 (Martes).
Upper Miocene (Pawnee Creek); Colorado.

MUSTELA Linnæus. Type *M. martes* Linnæus.

Hay, O. P. 1902 A, 767.
Allen, J. A. 1892 A.
1903 A.
Ameghino, F. 1906 C, 42, figs. 1, 2.
Arldt, T. 1907 D, 255.
Beddard, F. E. 1902 A, 435.
Birula, A. 1910 A, 323.
Brauer, A. 1914 A, 282.
Braun, M. 1906 A, 674, fig. 1.
Bronn, H. G. 1848 A, 760.
Bronn, H. G. 1849 A, 722.
Carus and Engelmann 1861 A, 1772.
Cope, E. D. 1880 U, 158.
Cuvier, G. 1805 A.
Depéret, C. 1912 A, 709.
Dieterich, K. 1841 A, 77.
Doran, A. H. G. 1878 A, 396.
Eimer, G. H. T. 1901 A, 260.
Elliot, D. G. 1901 A, 333.
Fischer, J. B. 1829 A, 214.

Frey, H. 1911 A, 412.
Fuchs, H. 1912 C, 507.
Gegenbaur, C. 1864 C, 187.
1865 C, 559.
Geinitz, E. 1903 A.
1904 A.
Gervais, P. 1852 A, 115, 118, explan. pl. xxiii.
1859 A, 247, pl. xxiii (Martes).
Gidley, J. W. 1927 C, 241.
Giebel, C. G. 1855 A, 32, pls. xii-xiv.
1883 A, pls. xiv, xv, lxxx, lxxxvi.
Gottlieb, H. 1914 A, 189.
Grant, M. 1904 B, 205.
Gregory, W. K. 1920 A, 155, fig. 95.
Hasse and Schwarck 1870 A, 95, figs. 29-31.
Heilprin, A. 1887 A, 390.
Hensel, R. 1879 A, 540.
Hollister, N. 1913 A, 471 [M. (Lutreola)].
Kampfen, P. N. 1905 A, 535.
Köstlin, O. 1844 A.
Leche, W. 1910 A, 450.
Leunis and Ludwig 1883 A, 194.
Lockwood, S. 1884 A, 398, 404.
Lull, R. S. 1922 C, 603.
Mackie, S. J. 1863 D, 340.
Martins, C. 1857 A, 90.
Matthew, W. D. 1909 C, 118.
1909 D, 324, text-fig. 3.
1915 K, 402.
1924 C, 130.
1928 B, 974, fig. 13.
Meckel, J. F. 1825 A.
Merriam, C. H. 1892 A, 62.
Merriam, J. C. 1911 B, 216.
Miller, G. S. 1912 A, 381.
1912 B, 95.
1924 C, 116.
1927 A, 12.
Nehring, A. 1880 A.
Osborn, H. F. 1907 G, 141, fig. 100.
1909 D, 80, 90.
1910 B, 624.
Owen, R. 1845 B, 497.
Palmer, T. S. 1904 A, 436, 832.
Pander and Alton 1822 A, 7 ("wiesel").
Paulli, S. 1900 B, 497, fig. 11.
Pictet, F. J. 1853 A, 216, pl. iv, fig. 6.
Pocock, R. I. 1921 A, 804.
Pohl, L. 1909 A, 388, fig. 6.
Rehs, J. 1914 A, 56.
Römer, F. 1907 A, 72.
Scharff, R. F. 1895 A, 442.
Schlosser, M. 1924 A, 14.
Schmidt, O. 1886 A, 275.
Schwalbe, G. 1904 A, 207.
Sclater, P. L. 1875 A, 219.
Scott, W. B. 1913 A, 517, 551.
Seton, E. T. 1909 A, 872 (Putorius).
Stromer, E. 1902 A.
1902 B, 557.
Taschenberg, O. 1899 A, 4635.
Terra, P. 1911 A, 282.
Trouessart, E. L. 1904 A, 204.
Turner, H. N. 1847 A, 111.
Van den Broeck, A. J. P. 1912 A, 783.
Wallace, A. R. 1876 A, I, 115, 118, 146; II, 198.
Wallisch, W. 1906 A, 308.
Weber, M. 1904 A, 536, 542.
Weber and Abel 1928 A, 333.
Wiegmann, F. R. 1838 B, 265, 271, 278.
Wilder, B. 1872 B, 319.
Winge, H. 1896 A, 130.
1924 A, 178, 200.
Zdansky, O. 1924 B, 30.
Zittel and Schlosser 1911 A, 393.
1923 A, 474, 673.

Mustela arizonensis (Mearns).

Mearns, E. A. 1891, Bull. Amer. Mus. Nat. Hist., III, 234 (Putorius).
Elliot, D. G. 1901 A, 349 (Putorius).
Furlong, E. L. 1904 A, 54 (Putorius).
1906 A, 243 (Putorius).
Merriam, C. H. 1896 B, 22, figs. 12-14 (Putorius).
Merriam and Stock 1925 A, 10.
Miller, G. S. 1912 B, 99.
1924 C, 122.
Miller, L. H. 1912 A, 70, 73 (Putorius).
Sinclair, W. J. 1903 A, 711 (Putorius).
1904 A, 17 (Putorius).
Stock, C. 1925 A, 113.
Recent; western North America: Pleistocene (Caves); California.

Mustela? buwaldi Merriam, J. C.

Merriam, J. C. 1919 A, 525, 527, 542, fig. 154.
1917 A, 430 (No description).
Lower Pliocene (Ricardo); California.

Mustela cicognanii angustidens Brown.

Brown, B. 1908 A, 181, pl. xvii.
Hay, O. P. 1914 A, 32.
1924 D, 252.
Merriam, C. H. 1896 A, 10, pl. ii, figs. 3, 4 (Putorius cicognani).
Osborn, H. F. 1910 B, 488 ("weasel").
Seton, E. T. 1909 A, 840, text-figs. 204-206 (Putorius cicognanii).
Pleistocene (Middle); Arkansas.

Mustela diluviana Cope.

Hay, O. P. 1902 A, 767.
Baker, F. C. 1920 A, 208, 215, 397.
Hay, O. P. 1923 A, 312, 314.
Rhoads, S. N. 1903 A, 229.
Schlosser, M. 1902 H, 141.
Trouessart, E. L. 1904 A, 204.
Pleistocene (Early); Pennsylvania.

Mustela furlongi Merriam.

Merriam, J. C. 1911 B, 211, 213, 214, 249, fig. 22.
1917 A, 429.
Sinclair, W. J. 1915 A, 81 (Martes).
Pliocene (Thousand Creek); Nevada.

Mustela gracilis (Brown, B.).

Brown, B. 1908 A, 182, pl. xvii (Putorius).
Hay, O. P. 1914 A, 32.
1924 D, 252.
Pleistocene (Middle); Arkansas.

Mustela macrodon (Prentiss).

Prentiss, D. W. 1903 A, 887, fig. *a* (Lutreola).
Hardy, M. 1903 A, 125 ("extinct mink").
Hollister, N. 1913 A. 478.

Loomis, F. B. 1911 A, 227, figs. 1-3 (Lutreola vison antiquus).
Loomis and Young 1912 A, 27.
Recent or Pleistocene (Shell-heaps); Maine.

Mustela minor Douglass.

Douglass, E. 1903 A, 154, 192, fig. 30 (This genus?).
Matthew, W. D. 1909 C, 116.
Sinclair, W. J. 1915 A, 81 (Martes).
Miocene (Arikaree); Montana.

Mustela noveboracensis (Emmons).

Emmons, E. 1840, Rep. Quadr., Massachusetts, 45 (Putorius).
Hay, O. P. 1902 A, 768 (Putorius erminius).
Baird, S. F. 1857 A, 166, pl. xxxvi, fig. 3 (Putorius).
Bangs, O. 1896 A, 13, pl. i, fig. 2; pl. ii, fig. 2; pl. iii, fig. 3 (Putorius).
Coues, E. 1877 A, 109, pl. vi, figs. 1, 3, 5-7 (Putorius erminea).
Elliot, D. G. 1901 A, 346 (Putorius).
Hay, O. P. 1923 A, 310.
Leidy, J. 1889 H, 5 (Putorius ermineus).
Mercer, H. C. 1894 A, 98 ("weasel").
Merriam, C. H. 1896 B, 16, pl. iv, figs. 1, 2; pl. v, fig. 3 (Putorius).
Miller, G. S. 1912 B, 97.
1924 C, 120.
Rhoads, S. N. 1903 A, 229 (Putorius).
Scharff, R. F. 1907 A, 24 (Putorius erminea).
Recent; Maine to North Carolina and Illinois: Pleistocene?; Pennsylvania.

Mustela vison Schreber.

Schreber, J. C. D. 1777, Säugethiere, pl. 127*b*.
Hay, O. P. 1902 A, 768 (Putorius).
Brown, B. 1908 A, 180, pl. xvii (Putorius).
Doran, A. H. G. 1878 A, 396.
Elliot, D. G. 1901 A, 338 (Putorius).
Gidley, J. W. 1913 B, 96 (This species?).
Haug, E. 1911 A, 1887 (Putorius).
Hay, O. P. 1914 A, 32.
1923 A, 350.
1924 D, 252.
Hollister, N. 1913 A, 472.
Lockwood, S. 1884 A, 398 (Putorius).
Matthew, W. D. 1915 K, 402 (Lutreola).
Miller, G. S. 1912 B, 101.
1924 C, 125.
Osborn, H. F. 1910 B, 488 (Putorius).
Osborn and Anthony 1922 A, 226 (Putorius); 227 (Lutreola).
Seton, E. T. 1909 A, 872, pl. lxxviii, map 48.
Recent; North America: Pleistocene (Early, Middle); Pennsylvania, Maryland, Arkansas, Canada.

Mustela sp. indet.

Furlong, E. L. 1904 A, 55. Pleistocene (Samwel Cave); California.
1906 A, 245. Pleistocene (Samwel Cave); California.
Hay, O. P. 1927 D, 184, 191. Pleistocene; California.
Merriam, J. C. 1917 A, 428. Pliocene (Rattlesnake); Oregon.
Merriam and Stock 1925 A, 10.
Merriam, Stock, Moody 1925 A, 58, 67, figs. 18, 19 (M. n. sp.). Pliocene (Rattlesnake); Oregon.
Miller, L. H. 1912 A, 73. Pleistocene (Samwel Cave); California.
Osborn, H. F. 1925 D, 531. Pleistocene (La Brea); California.
Stock, C. 1925 A, 30, 113. Pleistocene (La Brea and caves); California: Lower Pliocene (Rattlesnake); Oregon.

Putorius Cuvier. Type *Mustela putorius* Linnæus.

Hay, O. P. 1902 A, 768.
Allen, J. A. 1892 A.
1903 A.
Bärthold, 1904 A, 367.
Bangs, O. 1896 A, 2.
Beddard, F. E. 1902 A, 435.
Beer, G. R. 1926 A, 329, figs. 105, 106.
Birula, A. 1910 A, 323.
Brandt and Woldrich 1887 A, 5, 54.
Bronn, H. G. 1848 B, 1064.
1849 A, 722.
Butterworth, E. M. 1916 A, 22 (Martes).
Chardin, T. 1915 A, 181.
Cuvier, F. 1807 A, 120 ("putois").
Elliot, D. G. 1901 A, 338.
Foote, J. S. 1916 A, 94, 117, pls. ix, xiv.
Frech, F. 1906 A, 483.
Fuchs, H. 1912 C, 507.
Gervais, P. 1859 A, 251.
Giebel, C. G. 1883 A, pls. xv, xvi.
Grant, M. 1904 B, 205.
Heilprin, A. 1887 A, 390.
Hollister, N. 1913 A, 471 (Lutreola).
Hue, E. 1907 A, pls. xxviii, lxxv, lxxix, xcv, cxxii, cxxxiii, clxiv.
Ihering, H. 1910 A, 168.
Kampfen, P. N. 1905 A, 532.
1907 A, 695, fig.
Leche, W. 1912 A, 74.
1915 A, 330.
Leunis and Ludwig 1883 A, 195.
Lockwood, S. 1884 A, 398.
Mackie, S. J. 1863 D, 341.
Matthew, W. D. 1909 C, 118.
1924 C, 130.
Merriam, C. H. 1892 A, 62.
1896 B, 7.
Miller, G. S. 1912 A, 418.
Osborn, H. F. 1909 D, 80, 89, 90.
1910 B, 301, 488, 530.
Owen, R. 1845 B, 497.
1868 A, 904.
Palmer, T. S. 1904 A, 598, 833.
Pictet, F. J. 1853 A, 218.
Pocock, R. I. 1918 B, 308.
1921 A, 804, 832.
Pohl, L. 1909 A, 390, fig. 9.
Rehs, J. 1914 A, 56.
Römer, F. 1907 A, 72.
Scharff, R. W. 1907 A, 24.

Scott, W. B. 1913 A, 152, fig. 60 (Lutreola).
Schwalbe, G. 1904 A, 207.
Stromer, E. 1902 A.
Taschenberg, O. 1899 A, 4663.
Trouessart, E. L. 1904 A, 205.
Voit, M. 1923 A, 74, fig. 3 ("wiesel").
Wiegmann, F. R. 1838 B, 265, 271, 278.
Wilder, B. 1872 B, 319.
Zittel and Schlosser 1911 A, 393.
1923 A, 474.

Putorius nambianus (Cope).

Cope, E. D. 1874 U, 147 (Martes).
Hay, O. P. 1902 A, 768.
Matthew, W. D. 1909 C, 116.
Merrill, G. P. 1907 A, 44 (Martes); 49 (Mustela); 59 (Putorius).
Sinclair, W. J. 1915 A, 81 (Martes).
Miocene (Santa Fe); New Mexico.

Putorius sp. indet.

Miller, L. H. 1912 A, 78. Pleistocene (La Brea); California.

CANIMARTES Cope. Type *C. cumminsii* Cope.

Hay, O. P. 1902 A, 774.
Haug, E. 1911 A, 1706.
Hay, O. P. 1923 A, 2.
Matthew, W. D. 1924 C, 129.
Osborn, H. F. 1909 D, 83.
1910 B, 366, 530.
Palmer, T. S. 1904 A, 157, 823.
Scott, W. B. 1913 A, 517.

Canimartes cumminsii Cope.

Hay, O. P. 1902 A, 774.
Dumble, E. T. 1894 A, 559.
Gidley, J. W. 1903 C, 627.
Matthew, W. D. 1909 C, 120.
Merriam, J. C. 1917 A, 434.
Montgomery, T. H. 1904 A, 58.
Osborn, H. F. 1910 B, 366.
Upper Pliocene (Blanco); Texas.

GULONINÆ.

Arldt, T. 1912 A, 748 (Guloneæ).
Gray, J. E. 1825 A, 339 (Gulonina).
Miller, G. S. 1912 A, 432 (Guloninæ).
1924 C, 128.
Palmer, T. S. 1904 A, 743, 830 (Gulonini).
Pocock, R. I. 1921 A, 833.
Zittel and Schlosser 1923 A, 474 (Gulinæ).

GULO Pallas. Type *Ursus gulo* Linnæus.

Pallas, P. S. 1780, Spicil. Zool., fasc., 14, 25.
Hay, O. P. 1902 A, 768.
Allen, J. A. 1892 A.
1903 A.
Arldt, T. 1907 D, 311.
Bardeleben, K. 1885 B, 86.
Beddard, F. E. 1902 A, 435.
Birula, A. 1910 A, 321.
Boas, J. E. V. 1909 A, 529, fig. 10.
Bonsdorff, E. J. 1871 A, 318.
Bronn, H. G. 1848 A, 558.
1849 A, 723.
Cope, E. D. 1880 U, 156.
Coues, E. 1877 A, 32.
Cuvier, F. 1807 A, 120, 122 ("gloutons").
1825 A, 88, pl. xxxii ("gloutons").
Doran, A. H. G. 1878 A, 397.
Eimer, G. H. T. 1901 A, 139, 216.
Elliot, D. G. 1901 A, 333.
Fischer, J. B. 1829 A, 154.
Frech, F. 1907 A, 315 ("vielfras").
Frick, C. 1926 A, 47.
Gervais, P. 1852 A, 117.
1853 B, 40 ("glouton").
1859 A, 247.
Giebel, C. G. 1855 A, 33, pl. xii, fig. 13.
1878 C, 854 ("vielfrasse").
1883 A, pls. xiv, xlix, lviii, lxxii, lxxix, lxxxv, lxxxix.
Heilprin, A. 1887 A, 390.
Hensel, R. 1879 A, 554.
Hue, E. 1907 A, pls. xxvii, lxxiv, lxxx, xcv, cix, cxxiii, cxxxiii, cxlvi, clxiv, clxxvi.
Kampfen, P. N. 1905 A, 535.
Köstlin, O. 1844 A.
Leche, W. 1915 A, 326.
Le Damany, P. 1903 D, 351, fig. 1 ("glouton").
1906 B, 164 ("gloutons").
Leunis and Ludwig 1883 A, 196.
Lobley, J. L. 1908 A, 195.
Lockwood, S. 1884 A, 395.
Lydekker, R. 1884 A, 178.
Mackie, S. J. 1863 D, 340.
Matschie, P. 1896 A, 250, 252 ("vielfras").
1901 A, 308, 315.
1918 A, 141, pls. i-v.
Matthew, W. D. 1924 C, 130.
Merriam, C. H. 1892 A, 62.
Miller, G. S. 1912 A, 433.
1912 B, 94.
Moreau, L. J. 1900 A, 115 ("glouton").
Nehring, A. 1880 A.
Neuville, H. 1915 A, 9 ("glouton").
Owen, R. 1845 B, 495, 497, pl. cxxviii, figs. 7-9.
1866 B, 501.
Palmer, T. S. 1904 A, 302, 831.
Pander and Alton 1822 A, 10, pl. v.
Pictet, F. J. 1853 A, 214, pl. iv, figs. 4, 5 ("gloutons").
Pohl, L. 1909 A, 385, fig. 3.
Scott, W. B. 1917 A, 131 ("wolverines").
Serres, M. 1852 A, 119.
Seton, E. T. 1909 A, 945.
Stromer, E. 1902 A.
Terra, P. 1911 A, 283, fig. 105.
Trouessart, E. L. 1904 A, 197.
Wallace, A. R. 1876 A, II, 199.
Weber and Abel 1928 A, 334.
Wiegmann, F. R. 1838 B, 258, 272.
Winge, H. 1896 A, 127.

Winge, H. 1924 A, 178, 201, 243.
Zdansky, O. 1924 B, 39.
Zittel and Schlosser 1911 A, 393.
1923 A, 474.

Gulo luscus (Linnæus).

Hay, O. P. 1902 A, 768.
Arldt, T. 1907 D, 605.
Baker, F. C. 1920 A, 208, 215, 397.
Beddard, F. E. 1902 A, 435.
Brandt and Woldrich 1887 A, 50 (G. borealis).
Coues, E. 1877 A, 34, pl. i.
Cuvier, G. 1825 A, IV, 241, 477, pls. xvii, xxxviii.
Doran, A. H. G. 1878 A, 395, pl. lviii.
Elliot, D. G. 1901 A, 333, pl. xxxvi.
Fischer, J. B. 1829 A, 154 (G. arcticus).
Foote, J. S. 1916 A, 134, pl. xviii.
Frech, F. 1906 A, 481, 484 ("vielfras").
Frech and Geinitz 1903 A, 36.
Gidley, J. W. 1920 B, 282 ("wolverine." This species?).
Hay, O. P. 1923 A, 486.
Leche, W. 1915 A, 326, figs. 85-88.
Lockwood, S. 1884 A, 395, fig. 183.
Matschie, P. 1918 A, 154.
Miller, G. S. 1912 B, 94.
Newton, E. T. 1882 A, 17, pl. vi, figs. 1, 1a.
1891 A, 11.
Pocock, R. I. 1918 B, 308.
Reynolds, S. H. 1912 A, 7, text-figs. 1, 2.
Rhoads, S. N. 1903 A, 229.
Römer, F. 1907 A, 66.
Scharff, R. F. 1911 A, 27, 85.
Seton, E. T. 1909 A, 945, text-fig. 224, map 51.
Stromer, E. 1902 A, 173.
Weber, M. 1904 A, 537.
Zittel and Schlosser 1911 A, 393.
1923 A, 474.

Recent; Canadian zone from Atlantic to Pacific: Pleistocene; Pennsylvania.

GRISONINÆ.

Miller, G. S. 1924 C, 132.

GRISON Oken. Type *Viverra vittata* Schreber.

Unless otherwise indicated the authors, as quoted, employ for this genus the name *Galictis*.

Oken, L. 1816, Lehrb. d. Naturgesch. pt. 3, II, 1000 (Grison).
Hay, O. P. 1902 A, 767.
Ameghino, F. 1889 A, 1013.
Beddard, F. E. 1902 A, 433.
Bell, T. 1841 A, 201.
Birula, A. 1910 A, 322.
Bronn, H. G. 1849 A, 722.
Frech and Geinitz 1903 A, 36.
Giebel, C. G. 1855 A, 34, pl. xii.
1883 A, pls. xv, xvi.
Heilprin, A. 1887 A, 90.
Hensel, R. 1879 A, 549.
Kampfen, P. N. 1905 A, 533.
Leche, W. 1915 A, 326.
Leunis and Ludwig 1883 A, 196.
Lockwood, S. 1884 A, 397 (Galictis).
Lydekker, R. 1912 B, 222, fig. 31.
Matthew, W. D. 1924 C, 130 (Galictis).
Miller, G. S. 1912 B, 103 (Grison).
1924 C, 132.
Owen, R. 1845 B, 491, 494, pl. cxxviii, figs. 1-3.
Palmer, T. S. 1904 A, 230, 831 (Galictis); 300, 831 (Grison).
Pictet, F. J. 1853 A, 215.
Pocock, R. I. 1918 B, 311, figs. *a-c* (Grison).
Stromer, E. 1902 A.
Weber, M. 1904 A, 537 (Galera).
Weber and Abel 1928 A, 334.
Wiegmann, F. R. 1838 B, 272, 276, 278.
Winge, H. 1895 B, 38, pl. viii.
1896 A, 121.
1924 A, 178, 201, 202, 243.
Zittel and Schlosser 1911 A, 393.
1923 A, 474.

Grison macrodon (Cope).

Hay, O. P. 1902 A, 767 (Galictis).
Cope, E. D. 1867 F, 138 ("Galera"; no description).
Hay, O. P. 1919 D, 367.
1923 A, 220, 347.
Merrill, G. P. 1907 A, 44 (Lutreola).
Trouessart, E. L. 1904 A, 197 (Galicitis).

Pleistocene; Maryland.

MEPHITINÆ Gill.

Gill, T. 1872 B, 6, 65.
Hay, O. P. 1902 A, 765 (Melinæ).
Allen, J. A. 1901 C, 325.
1902 D, 59.
Arldt, T. 1912 A, 748 (Mephiteæ).
Gray, J. E. 1869 A, 133 (Mephitina).
Howell, A. H. 1902 A, 1.
Lockwood, S. 1884 A, 389.
Miller, G. S. 1924 C, 132.
Taschenberg, O. 1899 A, 4621.

BRACHYPROTOMA B. Brown. Type *B. pristina* Brown.

Brown, B. 1908 A, 176.
1905 A, 300 (No description).
Matthew, W. D. 1915 K, 402.
Osborn, H. F. 1909 D, 90.
1910 B, 488, 531.

Brachyprotoma fossidens (Cope).

Hay, O. P. 1902 A, 766 (Mephitis).
Baker, F. C. 1920 A, 208, 214, 397 (Mephitis).
Brown, B. 1908 A, 176.
Hay, O. P. 1923 A, 312 (Mephitis).
Howell, A. H. 1901 A, 16 (Mephitis).
Rhoads, S. N. 1903 A, 230 (Mephitis).
Schlosser, M. 1899 M, 362 (Mephitis fodiens).
1902 H, 142 (Mephitis).

Pleistocene (Early, Middle); Pennsylvania, Arkansas.

Brachyprotoma leptops (Cope).

Hay, O. P. 1902 A, 766 (Mephitis).
Baker, F. C. 1920 A, 208, 215, 297 (Mephitis).
Brown, B. 1908 A, 166.
Hay, O. P. 1923 A, 312 (Mephitis).
Howell, A. H. 1901 A, 17 (Mephitis).
Rhoads, S. N. 1903 A, 230 (Mephitis).
Schlosser, M. 1902 H, 142 (Mephitis).
Trouessart, E. L. 1904 A, 192 (Mephitis).
Pleistocene (Early); Pennsylvania.

Brachyprotoma obtusata (Cope).

Hay, O. P. 1902 A, 766 (Mephitis).
Baker, F. C. 1920 A, 208, 215, 397 (Mephitis).
Brown, B. 1908 A, 166 (B. obtusatus).
Hay, O. P. 1923 A, 312 (Mephitis).
Howell, A. H. 1901 A, 19 (Mephitis).
Peterson, O. A. 1926 A, 285, fig. 7.
Rhoads, S. N. 1903 A, 230 (Mephitis).
Schlosser, M. 1902 H, 142 (Mephitis).
Pleistocene (Early); Pennsylvania.

Brachyprotoma pristina Brown.

Brown, B. 1908 A, 177, pl. xvi.
Hay, O. P. 1914 A, 32.
Pleistocene (Middle); Arkansas.

Brachyprotoma spelæa Brown.

Brown, B. 1908 A, 179, pl. xvi.
Hay, O. P. 1914 A, 32.
Pleistocene (Middle); Arkansas.

OSMOTHERIUM Cope. Type *O. spelæum* Cope.

Hay, O. P. 1902 A, 766.
Frech and Geinitz 1903 A, 36.
Palmer, T. S. 1904 A, 486, 832.
Trouessart, E. L. 1904 A, 191.

Osmotherium spelæum Cope.

Hay, O. P. 1902 A, 766.
1923 A, 312.
Rhoads, S. N. 1903 A, 230.
Schlosser, M. 1899 M, 362.
1902 H, 141.
Trouessart, E. L. 1904 A, 191.
Pleistocene (Early); Pennsylvania.

MEPHITIS Cuvier.

Hay, O. P. 1902 A, 766.
Allen, J. A. 1892 A.
1902 D, 59.
Ameghino, F. 1889 A, 1017.
Baker, F. C. 1920 A, 208.
Bangs, O. 1896 C, 139.
Beddard, F. E. 1902 A, 439.
Birula, A. 1910 A, 325.
Boas, J. E. V. 1909 A, 530.
Bronn, H. G. 1848 A, 721.
1849 A, 722.
Cuvier, F. 1807 A, 122 ("moufettes").
1825 A, 89, pl. xxviii ("mouffettes").
Cuvier, G. 1805 A.
1825 A, IV, 241, 467, pls. xviii, xxxviii.
Elliot, D. C. 1901 A, 322.
Fischer, J. B. 1829 A, 159.
Foote, J. S. 1916 A, 117, pl. xiv.
Frech, F. 1907 A, 315.
Frech and Geinitz 1903 A, 36, 40.
Giebel, C. G. 1855 A, 34, pl. xiii, figs. 7, 10.
1878 C, 854.
1883 A, pl. xvi.
Grant, M. 1904 B, 193, 205.
Hay, O. P. 1914 A, 480.
Heilprin, A. 1887 A, 390.
Hensel, R. 1879 A, 550.
Howell, A. H. 1901 A, 14, 20 (Chincha).
1902 A, 1.
Ihering, H. 1910 A, 174.
Kampfen, P. N. 1905 A, 532.
Leche, W. 1915 A, 332.
Leunis and Ludwig 1883 A, 197.
Lockwood, S. 1884 A, 390.
Lydekker, R. 1884 A, 178.
Mackie, S. J. 1863 D, 340.
Matthew, W. D. 1915 K, 402.
1924 C, 130, 145.
Merriam, C. H. 1892 A, 61.
Miller, G. S. 1912 B, 107.
1924 C, 136.
Osborn, H. F. 1909 D, 89, 90.
1910 B, 469, 531.
Owen, R. 1845 B, 495, 497, pl. cxxviii, fig. 11.
Palmer, T. S. 1904 A, 410, 832.
Pictet, F. J. 1853 A, 215.
Pocock, R. I. 1921 A, 809.
Schlosser, M. 1924 A, 11.
Scott, W. B. 1913 A, 153, 167, 517, 552.
1917 A, 134 ("skunks").
Seton, E. T. 1909 A, 966, pls. lxxx-lxxxiii, map 52.
Stromer, E. 1902 A.
1902 B, 555.
Taschenberg, O. 1889 A, 4621.
Taylor, W. P. 1916 A, 468.
Tornier, G. 1891 A, 151.
Trouessart, E. L. 1904 A, 191.
Wallace, A. R. 1876 A, I, 144.
Weber, M. 1904 A, 537.
Weber and Abel 1928 A, 334, 335.
Wiegmann, F. R. 1838 B, 263, 271, 278.
Wilder, B. 1872 B, 319.
Winge, H. 1896 A, 128.
1924 A, 178, 202, 243.
Zdansky, O. 1924 B, 33.
Zittel and Schlosser 1911 A, 395.
1923 A, 475.

Mephitis elongata (Bangs).

Bangs, O. 1895, Proc. Boston Soc. Nat. Hist., XXVI, 531 (M. mephitica elongata).
1896, Proc. Biol. Soc. Wash., X, 142.
Miller, G. S. 1924 C, 137.
Simpson, G. G. 1928 H, 2.
Recent; southeastern United States: Pleistocene (Early); Florida.

Mephitis frontata Coues.

Hay, O. P. 1902 A, 766.
Howell, A. H. 1901 A, 16.
Pleistocene? (Early); Pennsylvania.

Mephitis mesomelas avia Bangs.

Bangs, O. 1898, Proc. Biol. Soc. Wash., XII, 32 (M. avia).
Hay, O. P. 1902 A, 766 (M. mephitica, in part).
Calvin, S. 1909 B, 342 (M. mephitica).
Chamberlin, T. C. 1894 A, 759 (M. mephiticus).
Elliot, D. G. 1901 A, 327 (M. avia).
Hay, O. P. 1914 A, 480 (M. mesomelas); 481 (M. mephitis).
1923 A, 310, 311 (M. mephitis).
Howell, A. H. 1901 A, 30 (Chincha).
Leverett, F. 1899 A, 42, 124 (M. mephitica).
McGee, W J 1891 A, 495.
Miller, G. S. 1912 B, 108.
1924 C, 137.
Trouessart, E. L. 1904 A, 192.
Upham, W. 1895 B, 282 ("common skunk").
The identification is provisional.
Recent; western Indiana, Illinois and eastern Iowa: Pleistocene (Yarmouth); Iowa.

Mephitis mesomelas newtonensis (Brown).

Brown, B. 1908 A, 175, pl. xv (M. mephitica newtonensis).
Hay, O. P. 1914 A, 32 (M. mephitica newtonensis).
1924 D, 252.
Pleistocene (Middle); Arkansas.

Mephitis nigra (Peale and Beauvois).

Peale and Beauvois 1796, Catal. Peale's Mus., Philadelphia, 37.
Baker, F. C. 1920 A, 248, 283, 397 (M. mephitica).
Bangs, O. 1896 C, 140 (M. mephitica).
Hay, O. P. 1923 A, 490 (M. putida).
1924 D, 283 (M. putida).
Howell, A. H. 1901 A, 25, pls. i, v (Chincha putida).
Leidy, J. 1889 H, 18 (M. mephitica).
Mercer, H. C. 1894 A, 97 ("skunk").
Miller, G. S. 1912 B, 107 (M. putida).
Peterson, O. A. 1926 A, 284, fig. 6 (M. mephitica).
Rhoads, S. N. 1904 A, 230 (M. mephitis putida).
Trouessart, E. L. 1904 A, 192 (M. putida).
Recent; New England to Virginia and Indiana: Pleistocene; caves of Pennsylvania.

Mephitis occidentalis Baird.

Baird, S. F. 1857 A, 94.
Elliot, D. G. 1901 A, 324.
Furlong, E. L. 1904 A, 55.
1906 A, 245.
Hay, O. P. 1927 D, 184, 215, 223.
Howell, A. H. 1901 A, 35, pls. iii, vii (Chincha).
Miller, G. S. 1924 C, 138.
Miller, L. H. 1912 A, 70, 73.
Osborn, H. F. 1925 D, 531.
Sinclair, W. J. 1903 A, 711.
1904 A, 17.
Stock, C. 1925 A, 113 ("new subsp.?").
Pleistocene (Caves); California.

Mephitis orthostica Cope.

Hay, O. P. 1902 A, 766 (M. orthrostica).
Baker, F. C. 1920 A, 208, 215, 397 (M. orthostichus).
Hay, O. P. 1923 A, 312.
Howell, A. H. 1901 A, 19.
Rhoads, S. N. 1903 A, 230 (M. orthostichus).
Schlosser, M. 1899 M, 362.
1902 H, 142 (M. orthostichus).
Pleistocene (Early); Pennsylvania.

Mephitis sp. indet.

Hay, O. P. 1923 A, 321. Pleistocene?; Pennsylvania.
1927 D, 184, 191. Pleistocene; California.
Miller, L. H. 1912 A, 78. Pleistocene (Rancho La Brea); California.
Stock, C. 1927 A, 156. Pleistocene; California.

PELYCICTIS Cope. Type *P. lobulatus* Cope.

Hay, O. P. 1902 A, 766.
Frech and Geinitz 1903 A, 36.
Palmer, T. S. 1904 A, 521, 832.
Trouessart, E. L. 1904 A, 191.

Pelycictis lobulatus Cope.

Hay, O. P. 1902 A, 766.
1923 A, 312.
Rhoads, S. N. 1903 A, 231.
Schlosser, M. 1899 M, 362.
1902 H, 142.
Trouessart, E. L. 1904 A, 191.
Pleistocene (Early); Pennsylvania.

SPILOGALE Gray. Type *Mephitis interrupta* Rafinesque.

Hay, O. P. 1902 A, 766.
Birula, A. 1910 A, 322 (Galera).
Elliot, D. G. 1901 A, 327.
Frech, F. 1907 A, 315.
Gregory, W. K. 1920 A, 155, fig. 97.
Howell, A. H. 1906 A.
Matthew, W. D. 1915 K, 402.
1924 C, 130.
Merriam, C. H. 1890 A, 1, pl. i; text-figs. 1, 2.
1892 A, 61.
Miller, G. S. 1924 C, 132.
Miller, L. H. 1912 A, 70 (Spilogale, n. sp.).
Osborn, H. F. 1909 D, 89, 90.
Pocock, R. I. 1921 A, 809.
Taylor, W. P. 1916 A, 457.
Winge, H. 1924 A, 202.

Spilogale ambarvalis Bangs.

Bangs, O. 1898 A, 222.
Coues, E. 1875 A, 12 (S. putorius, part).
1877 A, 239 [Mephitis (Spilogale) putorius].
Howell, A. H. 1906 A, 14, pl. iv, fig. 1; pl. v, figs. 1-3.
Merriam, C. H. 1890 A, 7, table (S. putorius).
Miller, G. S. 1912 B, 103.
1924 C, 132.
Recent; eastern Florida: Pleistocene (Middle ?); Florida.
Specimen in U. S. Nat. Mus. from Vero, St. Lucie County, Florida.

Spilogale interrupta (Rafinesque).

Rafinesque, C. S. 1820, Annals of Nature, I, 3 (Mephitis).
Brown, B. 1908 A, 176 (This species?).
Coues, E. 1877 A, 239 (Mephitis putorius, part).
Elliot, D. G. 1901 A, 328.
Hay, O. P. 1914 A, 32.
1924 D, 252.
Howell, A. H. 1906 A, 18, 36, pls. i, ii.
Merriam, C. H. 1890 A, 8, table.
Miller, G. S. 1912 B, 104.
1924 C, 133.
Recent; southwestern Minnesota to central Texas: Pleistocene (Middle); Arkansas.

Spilogale putorius (Linnæus).

Linnæus, C. 1758 A, 44 (Viverra).
Hay, O. P. 1902 A, 766 (S. perdicida).
Cope, E. D. 1896 F, 387 (Mephitis. S. perdicida a syn.).
Coues, E. 1877 A, 239, pls. xii-xiv (Mephitis).
Hay, O. P. 1923 A, 322, 353.
Miller, G. S. 1912 B, 103.
Schlosser, M. 1899 M, 362 (Mephitis. S. perdicida a syn.).
Recent; south Atlantic states, north in mountains to northern Virginia: Pleistocene (Middle?); Virginia.

Spilogale sp. indet.

Hay, O. P. 1927 D, 184, 191, 215. Pleistocene; California.
Merriam and Stock 1925 A, 10. Pleistocene (Potter Creek cave); California.
Osborn, H. F. 1925 D, 531. Pleistocene (La Brea); California.
Sinclair, W. J. 1903 A, 711 (Spilogale sp. nov.). Pleistocene (Potter Creek Cave); California.
1904 A, 17 (Spilogale n. sp.). Pleistocene (Potter Creek Cave); California.
Stock, C. 1925 A, 30. Lower Pliocene (Rattlesnake); Oregon.

TAXIDEINÆ.

Miller, G. S. 1924 C, 142 (Taxidiinæ).
Hay, O. P. 1902 A, 765 (Melinæ).
Ameghino, F. 1905 B, 193 (Meles).
Arldt, T. 1907 B, 449 ("melinen").
1907 D, 295 (Melinæ).
Baird, S. F. 1857 A, 190 (Melinæ).
Beddard, F. E. 1902 A, 432 (Melinæ).
Birula, A. 1910 A, 320 (Melinæ).
Cuvier, F. 1807 A, 120 ("blaireaux").
Elliot, D. G. 1901 A, 319 (Melinæ).
Fuchs, H. 1906 A, 30 (Meles).
Gervais, P. 1852 A, 116, explan. pl. xxiv (Meles).
1859 A, 246 (Meles).
Hay, O. P. 1914 A, 480 (Melinæ).
Hue, E. 1907 A, pls. xxvi, lxxv, lxxix, xciv, cix, cxxii, cxxxii, cxlvi (Meles).
Ihering, H. 1910 A, 172 (Melinæ).
Meckel, J. F. 1825 A ("dachse").
Owen, R. 1845 B, 498 (Melidæ).
Trouessart, E. L. 1904 A, 187 (Melinæ).
Weber, M. 1904 A, 537 (Melinæ).
Wilkie, H. C. 1926 A, 815, figs. 1, 3-5 (Meles).
Winge, H. 1924 A, 178, 202, 205 (Melini).
Zittel and Schlosser 1911 A, 394 (Melinæ).
1923 A, 475 (Melinæ).

TAXIDEA Waterhouse. Type *Ursus taxus* Schreber.

Waterhouse, G. R. Proc. Zool. Soc. Lond., 1838, 153.
Hay, O. P. 1902 A, 765.
Allen, J. A. 1892 A.
Anderson, R. J. 1902 B, 368, fig. (Meles).
Beddard, F. E. 1902 A, 438.
Birula, A. 1910 A, 326.
Bronn, H. G. 1848 A, 719 (Meles).
1849 A, 723 (Meles).
Butterworth, E. M. 1916 A, 22.
Coues, E. 1877 A, 261.
Cuvier, F. 1825 A, 93, pl. xxx ("blaireaux").
Cuvier, G. 1805 A (Taxus).
Dieterich, K. 1841 A, 76 (Meles).
Eimer, G. H. T. 1901 A, 138, 216.
Elliot, D. G. 1901 A, 319.
Frech, F. 1906 A, 481.
1907 A, 315.
Gervais, P. 1859 A, 246 (Meles).
Giebel, C. G. 1878 C, 854 ("dachse").
Grant, M. 1904 B, 193, 205.
Gregory, W. K. 1920 A, 154, fig. 94.
Gregory, W. K. 1921 A, 77.
Heilprin, A. 1887 A, 390.
Hensel, R. 1879 A, 550.
Kampfen, P. N. 1905 A, 535.
Leche, W. 1915 A, 335, fig. 108.
Le Damany, P. 1903 G, 330, fig. 18 ("blaireau").
Leunis and Ludwig 1883 A, 198.
Lockwood, S. 1884 A, 394.
Lönnberg, E. 1910 A, 120.
Lydekker, R. 1884 A, 178.
Martins, C. 1857 A, 90 ("blaireau").
Matthew, W. D. 1907 A, 198.
1924 C, 131, 144.
Merriam, C. H. 1892 A, 61.
Miller, G. S. 1912 B, 112.
1924 C, 142.
Osborn, H. F. 1905 I, 110.
1909 D, 89.
1910 B, 439, 454, 470, 531.
Owen, R. 1845 B, 498.
1868 A, 333, 780.
Palmer, T. S. 1904 A, 665, 833.

Pander and Alton 1822 A, 8, pl. vii (Meles).
Pocock, R. I. 1920 B, 423-436.
1921 A, 804.
Scott, W. B. 1913 A, 153, 162, 168, 517.
Seton, E. T. 1906 A, 995.
Stromer, E. 1902 A (Meles).
Trouessart, E. L. 1904 A, 187.
Waterhouse, G. R. 1841 A, 343 (Meles).
Weber, M. 1904 A, 537.
Weber and Abel 1928 A, 334.
Weber and Burlet 1927 A, 113, fig. 86.
Winge, H. 1896 A, 128.
1924 A, 178, 203, 243.
Worthmann, F. 1922 A, 307, fig. 1 ("dachs").
Zdansky, O. 1924 B, 48.
Zittel and Schlosser 1911 A, 395.
1923 A, 475.

Taxidea nevadensis Butterworth.

Butterworth, E. M. 1916 A, 21, fig. 1.
Merriam, J. C. 1917 A, 429.
Zdansky, O. 1924 B, 51, 52 (Parataxidea).
Pliocene (Thousand Creek); Nevada.

Taxidea robusta Hay.

Hay, O. P. 1921 A, 631, pl. cxix, figs. 3-5.
1923 A, 9.
Pleistocene (Nebraskan?); Arizona.

Taxidea taxus (Schreber).

Schreber, J. C. D. 1778, Säugethiere, III, 520 (Ursus).
Hay, O. P. 1902 A, 765 (T. taxus, T. sulcata).
Baker, F. C. 1920 A, 214, 397.
Carruccio, A. 1913 B, 176 (Taxidea).
Coues, E. 1877 A, 263, pl. xvi (T. americana).
Dall and Harris 1892 A, 228 (T. sulcata).
Doran, A. H. G. 1878 A, 397 (T. americana).
Elliot, D. G. 1901 A, 320, fig. 63 (T. americana).
Foote, J. S. 1916 A, 145, pl. xx (T. americana).
Frech and Geinitz 1903 A, 36 (T. americana).
Gervais, P. 1859 A, 246, pl. xxiv, fig. 1 (Meles).
Hay, O. P. 1921 A, 631, pl. cxix, figs. 1, 2.
1923 A, 312.
1924 D, 169 ("badger"); 270 (Taxidea).
1927 D, 251.
Lockwood, S. 1884 A, 394 (T. americana).
Mackie, S. J. 1863 D, 334 (Meles).
Matthew, W. D. 1902 F, 321 (T. sulcata a syn.).
Miller, G. S. 1912 B, 112.
1924 C, 142.
Owen, R. 1845 B, 498, pl. cxxi, figs. 1, 2.
Pocock, R. I. 1920 B, 425, figs. 19, 20, 22-25 (T. americana).
Reynolds, S. H. 1912 A, 8, pls. iii-vii; text-figs. 3-5 (Meles).
Rhoads, S. N. 1903 A, 231.
Römer, F. 1907 A, 73 (Meles).
Scharff, R. F. 1907 A, 23, fig. 5.
Seton, E. T. 1909 A, 995, pl. lxxxiv; text-figs. 231-232, map 53.
Shufeldt, R. W. 1922 A, 173, pl. x.
Stock, C. 1925 A, 199 (T. sulcata).
Stromer, E. 1902 A, 183, pl. iii, fig. 16 (Meles).
Taylor, W. P. 1911 B, 296.
Waterhouse, G. R. 1841 A, 343, pl. lix (Meles labradoria).
Winge, H. 1896 A, 128.
Pleistocene; Pennsylvania, Washington, Kansas.

Taxidea sp. indet.

Anonymous 1871 A, 139. Pleistocene (La Brea); California.
Gidley, J. W. 1920 B, 283 ("badger"). Pleistocene (Middle); Maryland.
Hay, O. P. 1923 A, 350. Pleistocene (Middle); Maryland.
1927 D, 184, 191, 215. Pleistocene; California.
Merriam and Stock 1925 A, 10, 11 (Potter Creek Cave); California.
Miller, L. H. 1912 A, 70. Pleistocene (Potter Creek Cave); California.
Osborn, H. F. 1925 D, 531. Pleistocene (La Brea); California.
Sinclair, W. J. 1903 A, 711 (T. ? sp. nov.).
1904 A, 17 (T. sp. ?).
Stock, C. 1925 A, 30, 113. Lower Pliocene (Rattlesnake); Oregon: Pleistocene (La Brea and caves); California.

LEPTARCTUS Leidy. Type *L. primus* Leidy.

Hay, O. P. 1902 A, 764.
Ameghino, F. 1912 A, 59.
Beddard, F. E. 1902 A, 431.
Ihering, H. 1910 A, 159.
Joleaud, L. 1919 A, 710, fig. 7.
Kraglievich, L. 1925 A, 189.
Matthew, W. D. 1909 C, 118.
1915 A, 197, 219.
1924 C, 87, 131, 138, 142.
Osborn, H. F. 1909 D, 80.
Palmer, T. S. 1904 A, 370, 836.
Scott, W. B. 1913 A, 517, 547.
Wallace, A. R. 1876 A, I, 135.
Zittel and Schlosser 1911 A, 392.
1923 A, 472.

Leptarctus primus Leidy.

Hay, O. P. 1902 A, 764.
Beddard, F. E. 1902 A, 431 (L. primævus).
Dall and Harris 1892 A, 292.
Joleaud, L. 1919 D, 412 (Leptarcos primævus).
Matthew, W. D. 1909 C, 116.
1921 G, 661 ("Leptarctus").
1924 C, 65, 71, 88, 139, figs. 37, 38.
Upper Miocene (Lower Snake Creek); Nebraska, South Dakota?.

Leptarctus wortmani Matthew.

Matthew, W. D. 1924 C, 142.
Wortman, J. L. 1894 B, 229 (L. primus).
Lower Pliocene (Valentine); Nebraska.

LUTRINÆ Baird.

Baird, S. F. 1857 A, 183.
Hay, O. P. 1902 A, 768.
Arldt, T. 1907 B, 449 ("lutrinen").
1907 D, 295, 385.

Arldt, T. 1912 A, 748.
Beddard, F. E. 1902 A, 439.
Birula, A. 1910 A, 320.
Carus, J. V. 1875 A, 128 (Lutrina).
Depéret, C. 1908 A, 306.
Elliot, D. G. 1901 A, 351.
Giebel, C. G. 1883 A ("otter").
Gill, T. 1872 B, 6, 65.
Gray, J. E. 1825 B, 337 (Lutrinæ).
1869 A, 100 (Lutrina).
Ihering, H. 1910 A, 168.
Lucae, J. P. 1872 A, 285 ("otter").
1875 A, 369 ("otter").
Luthe, W. 1924 A, 59 ("fischottern").
Miller, G. S. 1912 A, 354.
Osborn, H. F. 1910 B, 192, 193, 531.
Pilgrim, G. E. 1913 A, 291 (Lutridæ).
Pocock, R. I. 1921 A, 803, 830.
Stromer, E. 1902 A.
Trouessart, E. L. 1904 A, 212.
Weber, M. 1904 A, 538.
Weber and Abel, 1928 A, 332, 335.
Winge, H. 1924 A, 178, 203, 205 (Lutrini).
Zittel and Schlosser 1911 A, 394.
1923 A, 474.

POTAMOTHERIUM E. Geoffroy. Type *P. valetoni* E. Geoffroy.

Hay, O. P. 1902 A, 768 (Pomatotherium, *errore*).
Depéret, C. 1906 A, 620.
Filhol, H. 1879 A, 59, pls. vii-ix (Lutra).
Gervais, P. 1859 A, 244.
Haug, E. 1911 A, 1706.
Kellogg, R. 1922 A, 86.
Leche, W. 1915 A, 339.
Luthe, W. 1924 A, 128, pl. vii.
Mackie, S. J. 1863 D, 342.
Matthew, W. D. 1904 C, 253.
1924 C, 130.
1928 B, 974, fig. 13.
Osborn, H. F. 1910 B, 192, 289, 301, 531.
Palmer, T. S. 1904 A, 559, 832.
Peterson, O. A. 1910 A, 276.
Pictet, F. J. 1853 A, 220, pl. iv, fig. 10.
Schlosser, M. 1911 A, 82.
Scott, W. B. 1913 A, 551.
Stromer, E. 1902 A, 240.
Trouessart, E. L. 1904 A, 212.
Weber, M. 1904 A, 538.
Winge, H. 1924 A, 178, 204, 243.
Zittel and Schlosser 1911 A, 394.
1923 A, 475, 673.

Potamotherium lacota Matthew.

Matthew, W. D. 1904 C, 254, fig. 6.
Gidley, J. W. 1904 A, 245.
Matthew, W. D. 1909 C, 116.
Matthew and Cook 1909 A, 378.
Merriam, J. C. 1911 B, 250.
O'Harra, C. C. 1920 A, 158.
Zittel and Schlosser 1911 A, 394.
1923 A, 475 (This genus ?).
Miocene (Arikaree); South Dakota.

STHENICTIS Peterson. Type *Stenogale robusta* Cope.

Peterson, O. A. 1910 A, 277 (Brachygale; replaced by *Sthenictis* on introduced slip).
Matthew, W. D. 1924 C, 129, 134.
Thorpe, M. R. 1922 E, 444 (Potamotherium).
Middle Miocene (Mascall); Colorado: Miocene; Nebraska.

Sthenictis dolichops Matthew.

Matthew, W. D. 1924 C, 65, 135, fig. 34.
Upper Miocene (Lower Snake Creek); Nebraska.

Sthenictis lycopotamica (Cope).

Hay, O. P. 1902 A, 769 (Lutrictis).
Cope and Matthew 1915 A, pl. cxix C, fig. 5 (Lutra, Sthenictis?).
Matthew, W. D. 1904 C, 254 (Potamotherium).
1909 C, 114 (Potamotherium).
Merriam and Sinclair 1907 A, 195 (Lutrictis).

Sthenictis robustus (Cope).

Hay, O. P. 1902 A, 767 (Stenogale).
Matthew, W. D. 1904 C, 254 (Potamotherium).
1909 C, 116 (Potamotherium).
1924 C, 135 (Sthenictis).
Peterson, O. A. 1910 A, 276 (Stenogale).
Miocene (Arikaree); Nebraska.

Sthenictis sp. indet.

Matthew, W. D. 1924 C, 65. Lower Pliocene (Upper Snake Creek); Nebraska.

MIONICTIS Matthew. Type *M. incertus* Matthew.

Matthew, W. D. 1924 C, 130, 136.

Mionictis elegans Matthew.

Matthew, W. D. 1924 C, 67, 137.
Upper Miocene (Lower Snake Creek); Nebraska.

Mionictis incertus Matthew.

Matthew, W. D. 1924 C, 65, 136, fig. 36.
Middle Miocene (Lower Snake Creek); Nebraska.

LUTRA Brisson. Type *Mustela lutra* Linnæus.

Hay, O. P. 1902 A, 768.
Abel, O. 1912 F, 185.
Allen, J. A. 1892 A.
1903 A, 178.
Ameghino, F. 1889 A, 1017.
Anderson, R. J. 1901 A, 682.
1902 A, 1119, fig. 9.
1902 B, 368, fig.
1909 A, 745.
Anthony, R. 1912 A ("loutres").

Arldt, T. 1907 B, 255.
Bardeleben, K. 1885 B, 86.
Beddard, F. E. 1902 A, 440.
Birula, A. A. 1910 A, 320.
1913 A, 274.
Boas, J. E. V. 1909 A, 529.
Bonsdorff, E. J. 1871 A, 318.
Brandt and Woldrich 1887 A, 56.
Brauer, A. 1914 A, 282.
Bronn, H. G. 1848 A, 678.
1849 A, 722.
Broom, R. 1905 A, 98.
Camerano, L. 1916 B, pl. vii, fig. 9.
Carus, V. 1875 A, 128.
Cuvier, F. 1807 A, 120 ("loutres").
1825 A, 91, pl. xxix ("loutres").
Cuvier, G. 1805 A.
1825 A, IV, 243, 278, pl. xviii.
Dall and Harris 1892 A, 284.
Depéret, C. 1906 B, 1127.
1909 A, 141.
1912 A, 709.
Doran, A. H. G. 1878 A, 396, pl. lix.
Ehrenberg, K. 1926 A, 57.
Eimer, G. H. T. 1901 A, 259.
Elliot, D. G. 1901 A, 352.
Filhol, H. 1879 A, 58.
Fischer, J. B. 1829 A, 224.
Frassetto, F. 1903 A, 220, 270.
Frech and Geinitz 1903 A, 36.
Frick, C. 1926 A, 6.
Gegenbaur, C. 1864 C, 187.
1865 C, 559.
Geinitz, E. 1903 A.
1904 A.
Gervais, P. 1852 A, 116.
1859 A, 243.
Giebel, C. G. 1855 A, 35, pl. xii.
1878 C, 854 ("otter").
1883 A, pl. xvi.
Gottlieb, H. 1914 A, 210.
Grant, M. 1904 B, 205.
Gray, J. E. 1869 A, 163.
Gregory, W. K. 1920 A, 155, fig. 96.
Haug, E. 1911 A, 1886.
Hensel, R. 1879 A, 549.
Hoernes, R. 1886 A, 693.
Hogben, L. Y. 1919 A, 74.
Howes, G. B. 1893 C, 592.
Hue, E. 1907 A, pls. xxix, lxxv, lxxix, xcv, cviii, cxxii, cxxxii.
Ihering, H. 1910 A, 169.
Kampfen, P. N. 1905 A, 532.
Kellogg, R. 1922 A, 85.
Köstlin, O. 1844 A.
Kükenthal, W. 1891 C, 374, 384.
Leche, W. 1887 A.
1912 A, 73.
1915 A, 339.
Le Damany, P. 1906 B, 164 ("loutre").
Lockwood, S. 1884 A, 387.
Lönnberg, E. 1910 A, 50.
Lucae, J. C. 1872 A, 285, 372.
1875 A, 376, 392, pls. xi-xvii.
Luthe, W. 1924 A, 59, pls. i-iv; text-figs.
Lydekker, R. 1910 E, 352 ("otters").
Mackie, S. J. 1863 D, 341.
Matschie, P. 1896 A, 249.
Matthew, W. D. 1904 C, 256.
1909 C, 118.
1924 C, 130.
1928 B, 974, fig. 13.
Meckel, J. F. 1825 A.
Merriam, C. H. 1892 A, 62.
Miller, G. S. 1912 A, 354.
1912 B, 113.
1924 C, 129.
Nehring, A. 1880 A.
Osborn, H. F. 1905 I, 106.
1909 D, 80, 85.
1910 B, 621.
1916 B, 542.
Owen, R. 1845 B, 495, 497, pl. cxxviii, figs. 4-6.
1845 E, 127.
1868 A, 889.
Palmer, T. S. 1904 A, 387, 831.
Pander and Alton 1822 A, 9 ("otter").
Paulli, S. 1900 B, 497.
Pictet, F. J. 1853 A, 219, pl. iv, fig. 9.
Pocock, R. I. 1918 B, 308.
1921 A, 830.
Pohl, L. 1909 A, 384, fig. 2.
1911 A, 126.
Retzius, A. 1849 A, 626.
Reynolds, S. H. 1912 A, 10, pl. vi.
Römer, F. 1907 A, 73.
Scharff, R. F. 1895 A, 443, 467.
Schlosser, M. 1903 I, 26, 177, 209, 219.
1924 A, 11.
Schwalbe, G. 1904 A, 208.
Sclater, P. L. 1875 A, 219.
Scott, W. B. 1913 A, 551, 684
1916 A, 117 ("otter").
1917 A, 32, 134 ("otters").
Stromer, E. 1902 A.
1902 B, 557.
Taylor, W. P. 1914 A, 471, seq.
Tims, H. W. M. 1903 A, 140.
Tornier, G. 1889 A, 180.
1891 A, 114, 149.
Trouessart, E. L. 1904 A, 213.
Wallace, A. R. 1876 A, I, 118, 121; II, 199.
Weber, M. 1904 A, 538.
Weber and Abel 1928 A, 335.
Wiegmann, F. R. 1838 B, 267, 271, 284.
Winge, H. 1896 A, 122, 130.
1924 A, 178, 204, 244, 248.
Zdansky, O. 1924 B, 45.
Zittel and Schlosser 1911 A, 394.
1923 A, 475, 680.

Lutra canadensis Schreber.

Hay, O. P. 1902 A, 769.
Bangs, O. 1898 A, 224, fig. (L. hudsonica vaga).
Elliot, D. G. 1901 A, 352, pl. xxxvii.
Fischer, J. B. 1829 A, 225.
Foote, J. S. 1916 A, 110, pl. xii.
Gidley, J. W. 1927 E, 274.
Hay, O. P. 1917 E, 46.
1923 A, 382.
1927 D, 191, 243, 274.
Lockwood, S. 1884 A, 387.
Matthew, W. D. 1902 F, 320.
Miller, G. S. 1912 B, 113.
1924 C, 129.
Miller, L. H. 1912 A, 81.

Osborn, H. F. 1910 B, 459 ("Lutra").
Sellards, E. H. 1916 C, 152, 158.
1916 E, 16, 17.
Seton, E. T. 1909 A, 817, map 44.
Stock, C. 1925 A, 195.
Taylor, W. P. 1914 A, 473, seq., figs. 3, 6, 7, 10, 13.
Recent; greater part of United States and eastern Canada: Pleistocene (Fossil Lake): Oregon: Vero; Florida.

Lutra piscinaria Leidy.

Hay, O. P. 1902 A, 769.
Cope, E. D. 1878 II, 125.
Hay, O. P. 1927 D, 242.
McCornack, E. C. 1920 A, 23 (L. piscinaxia).
Merrill, G. P. 1907 A, 44.
Pleistocene (Early); Idaho.

Lutra? pristina Matthew.

Matthew, W. D. 1904 C, 256, text-figs. 7, 8.
Gidley, J. W. 1904 A, 245.
Matthew, W. D. 1909 C, 116.
1924 C, 65, 131, fig. 29 (Brachypsalis?).
O'Harra, C. C. 1920 A, 158.
Lower Pliocene (Snake Creek); Nebraska, South Dakota?.

Lutra rhoadsii Cope.

Hay, O. P. 1902 A, 769.
1923 A, 312, 314.
Rhoads, S. N. 1903 A, 231.
Schlosser, M. 1899 M, 362 (L. rhoadsi).
1902 H, 142 (L. rhoadsi).
Pleistocene (Early); Pennsylvania.

Lutra sp. indet.

Cooke, C. W. 1926 A, 445 ("otter"). Pleistocene; Florida.
Hay, O. P. 1924 D, 252. Pleistocene; Nebraska.
Matthew, W. D. 1918 A, 228. Pleistocene (Sheridan); Nebraska.

MEGENCEPHALON Osborn, Scott and Speir. Type *M. primævus* Osborn, Scott and Speir.

Hay, O. P. 1902 A, 769.
Palmer, T. S. 1904 A, 407, 832.
Trouessart, E. L. 1904 A, 215.

Megencephalon primævus Osborn, Scott and Speir.

Hay, O. P. 1902 A, 769.
Eocene; Wyoming.

Superfamily FELOIDÆ, new name.

Unless otherwise indicated the authors, as quoted, use for this group the name Æluroidea.
Hay, O. P. 1902 A, 777.
Abel, O. 1912 F, 500.
1913 B, 715, 718.
1913 C, 199.
1914 A, 63, 69.
1919 A, 739.
1920 A, 422.
Brown, A. E. 1904 B, 91.
Gregory, W. K. 1920 A, 239.
Kükenthal, W. 1913 A, 501 (Herpestoidea).
Lockington, W. N. 1884 A, 431.
Matthew, W. D. 1909 D, 330, 351, 352.
1915 K, 445.
Mivart, St. G. 1882 B, 459.
Moodie, R. L. 1922 C, 351.
Osborn, H. F. 1910 B, 531.
Pocock, R. I. 1916 F, 26 ("æluroids").
Rehs, J. 1914 A, 56 (Herpestoidea).
Reynolds, S. H. 1897 A, 369, 467.
Schwarz, E. 1912 B, 3 (Ailuroidea).
Scott, W. B. 1896 D, 54.
Weber, M. 1904 A, 529 (Herpestoidea).
Weber and Abel 1928 A, 317, 318, 342 (Herpestoidea, Æluroidea).
Weber and Burlet 1927 A, xv (Herpestoidea).

HYÆNIDÆ Gray.

Gray, J. E. 1869 A, 211.
Hay, O. P. 1902 A, 776.
Abel, O. 1919 A, 741.
Carus, V. 1875 A, 122 (Hyænida).
Chardin, P. T. 1928 A, 57 ("hyènes").
Cope, E. D. 1885 EE, 606 ("hyænas").
1891 N, 76 ("hyænas").
Doran, A. H. G. 1878 A, 391.
Flower, W. H. 1869 B, 29.
1883 D, 437.
Flower and Lydekker 1891 A, 540.
Gervais, P. 1859 A, 239 ("hyénidés").
Grevé, C. 1891 A.
Hay, O. P. 1921 A, 634.
Hoyer and Babik 1924 A, 451 (Hyæna).
Leche, W. 1921 A, 50.
Lockington, W. N. 1884 A, 431, 432.
Lydekker, R. 1884 A, 273, 274.
Matthew, W. D. 1901 A, 8.
Matthew, W. D. 1909 D, 330.
1928 B, 974, fig. 13.
Mead, C. S. 1906 A, 481.
Mivart, St. G. 1882 A, 137, 143, 205.
1882 B.
Osborn, H. F. 1909 D, 64.
Owen, R. 1866 B, 492, 504, 510 ("hyænas").
Palmer, T. S. 1904 A, 829.
Pictet, F. J. 1853 A, 221 ("hyénidés").
Pocock, R. I. 1916 A, 303.
1916 B, 442.
Pohle, H. 1920 A, 57.
Reynolds, S. H. 1897 A, 502.
1902 A, 1.
Roger, O. 1896 A, 65.
Schwarz, E. 1924 A, 421 ("hyænas").
Stromer, E. 1902 B, 554 ("hyaeniden").
Terra, P. 1911 A, 288, fig. 111.
Thorpe, M. R. 1922 D, 376 ("hyænids").

Trouessart, E. L. 1904 A, 342.
Turner, H. N. 1848 A, 81, 82, 87 (Hyænina).
Vicq-d'Azyr, F. 1792 A, cvi (Hyænini).
Weber, M. 1904 A, 532.
Weber and Abel 1928 A, 318, 323.
Winge, H. 1896 A, 126.
Winge, H. 1924 A, 177, 191, 242.
Woodward, A. S. 1923 C, 22.
Zdansky, O. 1924 B, 93.
Zittel, K. A. 1893 B, 660.
Zittel and Schlosser 1911 A, 396.
1923 A, 477, 482.

CHASMAPORTHETES Hay. Type *C. ossifragus* Hay.

Hay, O. P. 1921 A, 636.

Chasmaporthetes ossifragus Hay.

Hay, O. P. 1921 A, 636, pl. cxxiv, figs. 5, 6.
1922 A, 446 ("hyæna").
1923 A, 9.
1927 D, 129.
Pleistocene (Nebraskan?); Arizona.

HYÆNA Brisson. Type *Hyæna hyæna* Brisson.

Brisson, M. J. 1762, Règn. Anim., 2d ed., 13, 169.
Abel, O. 1922 C, 133, figs. 121, 122.
Blanford, W. T. 1876 A, 285.
Bronn, H. G. 1838 A, 1314.
Busk, G. 1866 A, 59, pl. ii.
Carus and Engelmann 1861 A, 1749.
Cuvier, G. 1825 A, IV, 236, 381-405, pls. xvii, xxviii-xxxii.
Dawkins, W. B. 1865 A, 80, figs. 1-6.
Doran, A. H. G. 1878 A, 391, 406, pl. lviii.
Ehrenberg, K. 1926 A, 57.
Falconer, H. 1868 A, II, 464.
Fischer, J. B. 1829 A, 193.
Flower, W. H. 1869 B, 27, fig. 13.
Gaudry, A. 1867 A, 81, pls. xii-xiv.
1891 C, 116, 142.
Gegenbaur, C. 1865 C, 559.
Gervais, P. 1852 A, 120, explan. pls. xii, xxiv.
1859 A, 239, pls. xii, xxiv.
1861 A, 142 ("hyène").
Lydekker, R. 1884 A, 275, pls. xxxiv-xxxix.
Mivart, St. G. 1882 A, 135.
Owen, R. 1866 B, 492, 504, 510.
1868 A, 330, 885.
Palmer, T. S. 1904 A, 333, 829.
Pictet, F. J. 1853 A, 222, pl. v, figs. 1-6.
Pocock, R. I. 1916 A, 303, figs.
1916 B, 443, fig.
Reynolds, S. H. 1897 A, 543.
1902 A, 1. pls. i-xiv.
Taschenberg, O. 1899 A, 4594.
Terra, P. 1911 A, 277, fig. 102.
Turner, H. N. 1848 A, 83.
Weber, M. 1904 A, 532.
Weber and Abel 1928 A, 323.
Winge, H. 1924 A, 177, 192, 242, 248.
Zdansky, O. 1924 B, 93.
Zittel, K. A. 1893 A, 661.
Zittel and Schlosser 1911 A, 396, fig. 366.
1923 A, 477.

Hyæna sp. indet.

Whitney, J. D. 1867 C, 356-357 (This genus?).
Pleistocene; California.

FELIDÆ Gray.

Gray, J. E. 1821 A, 302.
Hay, O. P. 1902 A, 777.
Abel, O. 1912 D, 603 ("feliden").
1912 F, 501.
1913 B, 715.
1914 A, 70 ("feliden").
1919 A, 741.
Ameghino, F. 1889 A, 1012.
1912 B, 175 ("félidés").
Anthony, R. 1912 A.
Arldt, T. 1907 B, 449 ("feliden").
1907 D, 654.
Baird, S. F. 1876 A, ccviii ("cats").
Bateson, W. 1892 A, 105.
Bayer, F. 1897 A, 147.
Beddard, F. E. 1902 A, 390.
Behlin, H. 1907 A ("feliden").
Birula, A. A. 1913 A, 222.
Bluntschli, H. 1912 B, 362 ("feliden").
Bonaparte, C. L. 1832 A, 287 (Felina).
Boulenger, G. A. 1919 A, 41 ("félides").
Bradley, O. C. 1905 B, 469.
Brandt and Woldrich 1887 A, 22 (Felina).
Brown, A. E. 1904 B, 92.
Carus, V. 1875 A, 121 (Felida).
Case, E. C. 1899 B, 181.
Chandler, A. C. 1914 B, 134.
Cleland, J. 1863 B, 297 ("cats").
Cope, E. D. 1885 BB, 79.
1891 N, 76 ("cats").
Corner, E. M. 1896 A, 388.
Cuvier, F. 1825 A, 77 ("chats").
Cuvier, G. 1807 A, 117 ("chats").
1809 B, 136 ("chats").
Depéret, C. 1906 A, 620 ("félidés").
1906 B, 1122 ("félidés").
1908 A, 304, 306.
1909 A, 141 ("félidés").
Doran, A. H. G. 1878 A, 391, 406.
Eaton, G. F. 1922 A, 425.
Eimer, G. H. T. 1901 A, 259 ("katz").
Elliot, D. G. 1901 A, 293.
Filhol, H. 1889 A, 222 ("félidés").
Fraipont, C. 1922 A, 578 ("félidés").
Frassetto, F. 1903 A, 309.
Freund, L. 1911 A, 390 ("feliden").
Gaudry, A. 1901 B, 100 ("félidés").
Geoffroy St. Hilaire, E. F. 1824 H, 255 ("chats").
Gervais, P. 1859 A, 226 ("félidés").

Giebel, C. G. 1883 A ("felinen").
Gill, T. 1881 A, 387 ("felids").
Grant, M. 1904 B, 194, 205.
Gray, J. E. 1825 B, 339.
1867 C, 258.
Gregory, W. K. 1927 A, 601 ("cats").
Hay, O. P. 1923 A, 5, 312.
1927 E, 77 ("cats").
Hensel, R. 1879 A, 551 ("feliden").
Hoernes, R. 1886 A, 696.
Hrdlička, A. 1903 A, 370.
Huene, F. 1927 D, 146 ("feliden").
Huxley, T. H. 1880 C, 4.
Ihering, H. 1909 A, 285 ("katze").
1910 A, 117.
Jaekel, O. 1911 A, 228 (Felidi).
Kampfen, P. N. 1905 A, 501.
Kingsley, J. S. 1925 A, 261.
Köstlin, O. 1844 A ("katze").
Koken, E. 1901 B, 220 ("katze").
Laloy, L. 1907 A, 587 ("félidés").
Leche, W. 1887 A.
1915 A, 316.
Leunis and Ludwig 1883 A, 182.
Lobley, J. L. 1908 A, 194, 200, 204.
Lockington, W. N. 1884 A, 445.
Lönnberg, E. 1926 A, 1, 17.
Loomis, F. B. 1910 C, 293.
Lull, R. S. 1904 C, 3 ("cats").
1917 B, 338, 564.
Lydekker, R. 1896 D, 1, 282.
1904 C, 63.
1910 E, 352 ("cats").
Mackie, S. J. 1863 D, 343.
Martins, C. 1857 A, 68 ("chats").
Matthew, W. D. 1901 A, 8.
1905 D, 41.
1907 A, 179, 199.
1909 D, 330, 352, 411, 462.
1910 G, 155.
1912 B, 184, 185.
1913 B, 291.
1915 A, 187, 223.
1915 K, 445, fig. 17 ("cats").
1924 C, 146.
1924 E, 745.
1928 B, 974 ("cats").
Matthew and Cook 1909 A, 366.
Meckel, J. F. 1825 A ("katzen").
Merriam, J. C. 1906 A, 64.
1917 B, 211.
Miller, G. S. 1912 A, 455.
1912 B, 115.
1924 C, 155.
Mivart, St. G. 1882 B.
Neuville, H. 1915 A, 9 ("félidés").
Osborn, H. F. 1902 A, 87 ("cats").
1909 D, 126.
1910 B, 615.
Owen, R. 1868 A, 880.
Petronievics, B. 1919 A, 417.
Pictet, F. J. 1853 A, 225 ("félidés").
Pilgrim, G. E. 1913 A, 291.
1915 B, 151.
Pocock, R. I. 1914 B, 913.
1916 C, 222.
1916 E, 326.
1916 F, 261.
1917 A, 329.
Pohl, L. 1911 A, 147 ("feliden").
Pompeckj, J. F. 1925 A, 13 ("feliden").
Puccioni, N. 1908 A, 49 ("felini").
Rehs, J. 1914 A, 56.
Schlosser, M. 1897 B, 18 ("katzen").
1902 J, 258.
1903 I, 31 ("feliden").
1906 A, 31 ("feliden").
Schmidt, O. 1886 A, 276 ("cats").
Schwarz, E. 1912 B, 3.
1924 A, 420 ("cats").
Scott, W. B. 1896 D, 54 ("cats").
1913 A, 517, 518, 530.
1917 A, 32, 134, 140 ("cats").
Serres, M. 1860 A, 306 ("panthères").
Seton, E. T. 1909 A, 677.
Steinmann, G. 1907 A, 473.
Taschenberg, O. 1899 A, 4569.
Terra, P. 1911 A, 286.
Tims, H. W. M. 1902 A, 336.
Tornier, G. 1891 A, 159.
Trouessart, E. L. 1904 A, 261.
Vicq-d'Azyr, F. 1792 A, cv (Felini).
Wagner, R. 1843 A ("katzen").
Wallace, A. R. 1876 A, II, 192.
1894 A, 435.
Weber, M. 1904 A, 529.
Weber and Abel 1928 A, 307, 316, 318, 319.
Wiegmann, F. A. 1838 B, 258, 270 ("katzen").
Windle, B. C. A. 1905 A, 1051 ("katze").
Winge, H. 1896 A, 126, 127.
1924 A, 177, 185, 188.
Wortman, J. L. 1901 B, XII, 144, 206.
1920 A, 17.
Woodward, A. S. 1898 D, 336.
Wright, G. F. 1908 A, 34 ("felines").
Zittel and Schlosser 1911 A, 397.
1923 A, 478, 482.

MACHAIRODONTINÆ Gill.

Gill, T. 1872 B, 4, 59, 60.
Hay, O. P. 1902 A, 777.
Abel, O. 1908 D, (209) ("machairodontiden").
1912 F, 497, 498, 573 (Machairodontidæ).
1913 B, 715.
1914 A, 71.
1920 A, 423.
1922 C, 130, fig. 117 ("machairodontinen").
Ameghino, F. 1905 C, 446.
1912 B, 176 (Machairodinæ).
Arldt, T. 1907 D, 663 (Machairodontidæ).
Arldt, T. 1912 A, 702, 748.
Beddard, F. E. 1902 A, 401 (Machairodontidæ).
Boulenger, G. A. 1919 A, 41.
Brandes, G. 1900 A, 106 ("machairodonten").
Brown, B. 1908 A, 187.
Diener, C. 1912 A, 216 ("machairodontiden").
Eaton, G. F. 1928 A, 133 ("sabre-tooth tigers").
Gill, T. 1881 A, 387 ("nimravids").
Hay, O. P. 1923 A, 5.
1927 E, 77 ("saber-tooth tigers").
Huene, F. 1927 D, 113.

Kampfen, P. N. 1905 A.
Lee, Stone, Gale 1915 A, 27 ("saber-tooth tigers").
Loomis, F. B. 1905 B, 840 (Machærodidæ).
Lucas, F. A. 1907 A, 46 ("saber-toothed tigers").
Lydekker, R. 1902 A, 357 ("saber-tooths").
Matthew, W. D. 1901 B, 384 (Machærodontinæ).
1910 C, 309 (Machærodontinæ).
1928 B, 974, fig. 13.
Osborn, H. F. 1905 D, 316 ("saber-tooth tigers").
1909 D, 129 (Machærodontinæ).
1910 B, 621 (Machærodontinæ).
Palacký, J. 1902 B, 151 ("machairoden").
Scharff, R. F. 1911 A, 153 ("saber-toothed tigers").
Schlosser, M. 1902 J, 144, 233, 257 ("machairodontinen").
Scott, W. B. 1913 A, 530, 684.
1916 A, 117, 119 ("saber-toothed tigers").
Steinmann, G. 1907 A, 473 (Machairodinæ).
Trouessart, E. L. 1904 A, 261 (Machærodinæ).
Weber, M. 1904 A, 541 (Nimravidæ).
Weber and Abel 1928 A, 341.
Winge, H. 1896 A, 126 (Machærodontini).
1924 A, 177, 187, 188 (Machærodontini).
Wortman, J. L. 1902 B, 477 ("saber-tooth tigers").
Zittel and Schlosser 1911 A, 397.
1923 A, 478.

Deinictis Leidy. Type *D. felina* Leidy.

Hay, O. P. 1902 A, 779.
Abel, O. 1913 B, 716, fig. 20 (Dinictis).
1914 A, 71.
1919 A, 740, figs. 551, 552 (Dinictis).
Ameghino, F. 1885 A, 154 (Dinictis).
1889 A, 1011 (Dinictis).
Beddard, F. E. 1902 A, 401 (Dinictis).
Boulenger, G. A. 1919 A, 41 (Dinictis).
Cope, E. D. 1880 U, 156 (Dinictis).
Eaton, G. F. 1922 A, 428, 435 (Dinictis).
Filhol, H. 1877 A, 38 (Dinictis).
Gaudry, A. 1875 A, 1282 (Dinictis).
Haug, E. 1911 A, 1528 (Dinictis).
Hayden, F. V. 1871 A, 107 (Dinictis).
Heilprin, A. 1887 A, 385 (Dinictis).
Huene, F. 1927 E, 148, fig. 4 (Dinictis).
Lambe, L. M. 1905 D, 369 A (Dinictis).
Leche, W. 1915 A, 320 (Dinictis).
Loomis, F. B. 1905 B, 840, fig. 1 (Dinictis).
Lull, R. S. 1917 B, 569, 571, figs. 184, 185 (Dinictis).
Lydekker, R. 1896 D, 286 (Dinictis).
Matthew, W. D. 1901 B, 365, 369, 371, 384, 386, 387 (Dinictis).
1905 D, 43, fig. 19 (Dinictis).
1907 A, 174 (Dinictis).
1909 C, 110 (Dinictis).
1910 C, 289, 290, 308, 309, figs. 1*a*, 2*a*, 4*a*, 5, 6*a*, 7*a*.
1912 B, 185 (Dinictis).
1915 K, 420 (Dinictis).
1924 E, 748 (Dinictis).
Merriam, J. C. 1905 B, 174.
1906 A, 49, 61.
1919 A, 543 (Dinictis).
O'Harra, C. C. 1910 A, 81, 146 (Dinictis).
Osborn, H. F. 1902 E, 360 (Dinictis).
1905 I, 104 (Dinictis).
1907 G, 138, figs. 95, 97 (Dinictis).
1910 B, 612, fig. 111 (Dinictis).
Petronievics, B. 1919 A, 417 (Dinictis).
Pilgrim, G. E. 1915 B, 147 (Dinictis).
Pompeckj, J. F. 1925 A, 13 (Dinictis).
Schlosser, M. 1898 F, 132, 134 (Dinictis).
Scott, W. B. 1913 A, 254, 538, 540 (Dinictis).
Seeley, H. G. 1886 A, 519 (Dinictis).
Sinclair, W. J. 1924 A, 111, 118 (Dinictis).
Stromer, E. 1902 B, 561 (Dinictis).
Thorpe, M. R. 1920 A, 210, 223 (Dinictis).
Thorpe, M. R. 1923 E, 241 (Dinictis).
Trouessart, E. L. 1904 A, 262 (Dinictis).
Wallace, A. R. 1876 A, 1, 134 (Dinyctis).
Weber and Abel 1928 A, 317, 341 (Dinictis).
Winge, H. 1924 A, 177, 188, 242 (Dinictis).
Zittel and Schlosser 1911 A, 398 (Dinictis).
1923 A, 479, 670 (Dinictis).

Deinictis bombifrons Adams.

Hay, O. P. 1902 A, 779.
Cook, H. J. 1912 D, 38 (Dinictis).
Matthew, W. D. 1901 B, 370, 388 (Dinictis).
1909 C, 107 (Dinictis).
1910 C, 310 (Dinictis).
Schlosser, M. 1898 F, 133 (Dinictis).
Thorpe, M. R. 1920 A, 210.
Trouessart, E. L. 1904 A, 262 (Dinictis).
Upper Oligocene (Brule); Socth Dakota, Nebraska?.

Deinictis cyclops Cope.

Hay, O. P. 1902 A, 780.
Eaton, G. F. 1922 A, 434, 436, 438, 440 (Dinictis).
Lydekker, R. 1896 D, 287 (Dinictis).
Matthew, W. D. 1901 B, 390 (Dinictis).
1909 C, 107 (Dinictis).
1910 C, 310 (Dinictis).
Merriam, J. C. 1906 A, 37, 57.
Merriam and Sinclair 1907 A, 185.
Schlosser, M. 1898 F, 133 (Dinictis).
Trouessart, E. L. 1904 A, 262 (Dinictis).
Oligocene (John Day); Oregon.

Deinictis felina Leidy.

Hay, O. P. 1902 A, 780.
Cook, H. J. 1912 D, 36 (Dinictis).
Eaton, G. F. 1922 A, 436, 438, 440 (Dinictis).
Lambe, L. M. 1908 A, 11, 64, pl. vii, figs. 21-24 (Dinictis).
Lydekker, R. 1896 D, 287 (Dinictis).
Matthew, W. D. 1901 B, 387, 392 (Dinictis).
1909 C, 105 (Dinictis).
1910 C, 310 (Dinictis).
Moodie, R. L. 1922 C, 351 (Dinictis).
O'Harra, C. C. 1920 A, 151 (Dinictis).
Schlosser, M. 1898 F, 132 (Dinictis).
Scott, W. B. 1899 A, 20, figs. 1-7 (Dinictis).
1913 A, 539, 540, figs. 265, 267 (Dinictis).

Sinclair, W. J. 1924 A, 102, 111 (Dinictis).
Stromer, E. 1902 A, 270.
Trouessart, E. L. 1904 A, 262 (Dinictis).
Zittel and Schlosser 1911 A, 398, fig. 567.
1923 A, 479, fig. 607 (Dinictis).
Oligocene (Brule); South Dakota, Nebraska.

Deinictis fortis Adams.

Hay, O. P. 1902 A, 780.
Cook, H. J. 1912 D, 34 (Dinictis).
Eaton, G. F. 1922 A, 440 (Dinictis).
Matthew, W. D. 1901 B, 388 (Dinictis).
1909 C, 103 (Dinictis).
1910 C, 310 (Dinictis).
O'Harra, C. C. 1920 A, 149.
Schlosser, M. 1898 F, 133 (Dinictis).
Thorpe, M. R. 1920 A, 210 (Syn. of Dinictis bombifrons).
Trouessart, E. L. 1904 A, 262 (Dinictis).
Oligocene (Chadron); South Dakota.

Deinictis paucidens Riggs.

Hay, O. P. 1902 A, 780.
Cook, H. J. 1912 D, 36 (Dinictis).
Eaton, G. F. 1922 A, 436, 440 (Dinictis).
Matthew, W. D. 1901 B, 388, 390 (Dinictis).
1909 C, 105 (Dinictis).
1910 C, 310 (Dinictis).
Thorpe, M. R. 1920 A, 211 (Dinictis).
Trouessart, E. L. 1904 A, 262 (Dinictis).
Oligocene (Brule); Wyoming, Nebraska?

Deinictis squalidens Cope.

Hay, O. P. 1902 A, 780.
Barbour and Cook 1914 B, 235, fig. 1.
Cook, H. J. 1912 D, 36 (Dinictis).
Eaton, G. F. 1922 A, 434, 436, 440 (Dinictis).
Matthew, W. D. 1901 B, 357, 390, pl. xxxviii; text-figs. 11-15 (Dinictis); 388 (Daptophilus).
1909 C, 105 (Dinictis).
1910 C, 310, fig. 10 (Dinictis).
O'Harra, C. C. 1910 A, 82, fig. 13 (Dinictis).
1920 A, 83, figs. 28, 32.
Pilgrim, G. E. 1915 B, 153.
Schlosser, M. 1898 F, 133 (Dinictis).
Scott, W. B. 1913 A, 540, fig. 266.
Sinclair, W. J. 1924 A, 102, 112 (Dinictis).
Thorpe, M. R. 1920 A, 211.
Trouessart, E. L. 1904 A, 262 (Dinictis).
Oligocene (Middle); Colorado: (Brule); Nebraska.

Deinictis sp. indet.

Matthew, W. D. 1909 C, 103 (Dinictis). Oligocene (Chadron); South Dakota.

Pogonodon Cope. Type *P. platycopis* Cope.

Cope, E. D. 1880 F, 143.
Hay, O. P. 1902 A, 779 (Deinictis, in part).
Beddard, F. E. 1902 A, 401.
Eaton, G. F. 1922 A, 428.
Heilprin, A. 1887 A, 385.
Lockington, W. N. 1884 A, 447.
Lydekker, R. 1896 D, 288.
Matthew, W. D. 1909 C, 110.
1910 C, 290, 310 (Syn. of Nimravus).
Merriam, J. C. 1906 A, 61, 62.
Palmer, T. S. 1904 A, 554, 829.
Scott, W. B. 1913 A, 535, 541.
Seeley, H. G. 1886 A, 519.
Sinclair, W. J. 1924 A, 112.
Thorpe, M. R. 1920 A, 207, 223.
Winge, H. 1924 A, 177, 188, 242.
Zittel and Schlosser 1911 A, 397 (Syn. of Hoplophoneus).
1923 A, 478, 672 (Syn. of Hoplophoneus).

Pogonodon brachyops (Cope).

Hay, O. P. 1902 A, 780 (Deinictis).
Eaton, G. F. 1922 A, 428.
Lydekker, R. 1896 D, 288.
Matthew, W. D. 1901 B, 390 (Dinictis).
1909 C, 107.
1910 C, 310 (Nimravus).
Merriam, J. C. 1906 A, 37, 57.
Merriam and Sinclair 1907 A, 185.
Schlosser, M. 1898 F, 133 (Dinictis).
Thorpe, M. R. 1920 A, 207.
Trouessart, E. L. 1904 A, 262 (Dinictis).
Oligocene (John Day); Oregon.

Pogonodon cismontanus Thorpe.

Thorpe, M. R. 1920 A, 207, 222, fig. 5.
Eaton, G. F. 1922 A, 429, 438, 440.
Sinclair, W. J. 1924 A, 112.
Oligocene (White River); South Dakota.

Pogonodon davisi (Merriam).

Merriam, J. C. 1906 A, 4, 37, 53, pl. vi figs. 1-3.
Eaton, G. F. 1922 A. 429, 438, 440.
Matthew, W. D. 1909 C, 107 (Hoplophoneus).
1910 C, 313 (Hoplophoneus?).
Merriam and Sinclair 1907 A, 185, 191, 192.
Thorpe, M. R. 1920 A, 207.
Upper Oligocene (John Day); Oregon.

Pogonodon platycopis Cope.

Hay, O. P. 1902 A, 780 (Deinictis).
Eaton, G. F. 1922 A, 428, 435, 438, 440.
Lydekker, R. 1896 D, 288.
Matthew, W. D. 1901 B, 390 (Dinictis).
1909 C, 107.
1910 C, 310 (Nimravus).
Merriam, J. C. 1906 A, 4, 37.
Merriam and Sinclair 1907 A, 185, 189.
Pavlow, M. 1915 A, 38 (P. platicopis).
Schlosser, M. 1898 F, 133 (Dinictis).
Seeley, H. G. 1886 A, 519, fig.
Sternberg, C. H. 1909 C, 202, fig. 31.
Thorpe, M. R. 1920 A, 207.
Trouessart, E. L. 1904 A, 262 (Dinictis).
Upper Oligocene (John Day); Oregon.

Pogonodon serrulidens Eaton.

Eaton, G. F. 1922 A, 429, 440, figs. 1-3.
Upper Oligocene (John Day); Oregon.

NIMRAVUS Cope. Type *N. gomphodus* Cope.

Hay, O. P. 1902 A, 781 (Nimravus, Archælurus).
Abel, O. 1913 B, 716, fig. 20.
1919 A, 740, figs. 551, 552.
Beddard, F. E. 1902 A, 401 (Nimravus, Archælurus).
Boulenger, G. A. 1919 A, 41.
Eaton, G. F. 1922 A, 430, 435, 448.
Haug, E. 1911 A, 1705.
Heilprin, A. 1887 A, 385.
Huene, F. 1927 D, 148, fig. 4.
Leche, W. 1915 A, 320.
Lockington, W. N. 1884 A, 447.
Lull, R. S. 1917 B, 569, 571, fig. 184.
Lydekker, R. 1896 D, 287 (Nimravus); 288 (Archælurus).
Matthew, W. D. 1901 B, 386 (Nimravus, Archælurus).
1907 A, 174, 204.
1909 C, 110 (Nimravus); 107 (Archælurus).
1910 C, 289, 290, 308, 310, figs. 2*b*, 4*b*, 7*b*, 7*c* (Nimravus); 310 (Archælurus).
Merriam, J. C. 1906 A, 38 (Nimravus); 38, 63 (Archælurus).
O'Harra, C. C. 1910 A, 83, 130.
Osborn, H. F. 1909 D, 68 (Archælurus); 68, 75 (Nimravus).
1912 G, 249.
Pilgrim, G. E. 1915 B, 147.
Schlosser, M. 1898 F, 134, 135 (Nimravus, Archælurus).
Scott, W. B. 1913 A, 249, 541 (Nimravus); 249, 541, 675 (Archælurus).
Seeley, H. G. 1886 A, 519.
Stromer, E. 1902 B, 561.
Thorpe, M. R. 1920 A, 207, 223.
Weber and Abel 1928 A, 317, 341.
Winge, H. 1924 A, 177, 188, 242 (Nimravus); 177, 187, 242 (Archælurus).
Woodward, A. S. 1898 B, 400.
Zdansky, O. 1924 B, 140.
Zittel and Schlosser. 1911 A, 398 (Archælurus a syn.).
1923 A, 479, 672 (Archælurus a syn.).

Nimravus confertus Cope.

Hay, O. P. 1902 A, 781.
Lydekker, R. 1896 D, 287.
Matthew, W. D. 1909 C, 107.
1910 C, 310.
Merriam, J. C. 1906 A, 37, 42, 44.
Merriam and Sinclair 1907 A, 185.
Oligocene (John Day); Oregon.

Nimravus debilis (Cope).

Hay, O. P. 1902 A, 781 (Archælurus).
Cope, E. D. 1884 O, 953, pl. lxxi a, figs. 8-16; pl. lxii, figs. 1-3 (Archælurus).
Eaton, G. F. 1922 A, 434, 438, 440, 448, figs. 7, 11.
Lydekker, R. 1896 D, 288 (Archælurus).
Matthew, W. D. 1909 C, 107.
1910 C, 310.
Merriam, J. C. 1906 A, 37, 44 (Archælurus).
Merriam and Sinclair 1907 A, 185, 189 (Archælurus).
Seeley, H. G. 1886 A, 518 (Archælurus).
Sternberg, C. H. 1909 C, 189 (Archælurus).
Oligocene (John Day); Oregon.

Nimravus debilis Merriami, new name.

Merriam, J. C. 1906 A, 4, 39-52, pls. iv, v; text-figs. 15-18 (Archælurus debilis major).
Eaton, G. F. 1922 A, 438, 448 (Archælurus d. major).
Merriam and Sinclair 1907 A, 185, 188, 189 (Archælurus debilis major).
Oligocene (John Day); Oregon.

Nimravus gomphodus Cope.

Hay, O. P. 1902 A, 781.
Barbour and Cook 1914 B, 236, fig. 2.
Beddard, F. E. 1902 A, 401.
Condon, T. 1902 A, 122, pl. xx.
1910 A, 102, pl. xx ("Felis").
Cope, E. D. 1891 N, 76, fig. 48.
Eaton, G. F. 1922 A, 428, 434, 435, 438, 440.
Lydekker, R. 1896 D, 287.
Matthew, W. D. 1909 C, 107.
1910 C, 310, fig. 11.
Merriam, J. C. 1906 A, 4, 37, 40, 42, 44.
Merriam and Sinclair 1907 A, 185, 188, 189.
Scott, W. B. 1913 A, 542, fig. 268.
Seeley, H. G. 1886 A, 518, fig.
Woodward, A. S. 1898 B, 400, fig. 224.
Oligocene (John Day); Oregon.

Nimravus major (Lucas).

Hay, O. P. 1902 A, 780 (Deinictis).
Matthew, W. D. 1910 C, 311.
Merrill, G. P. 1907 A, 34 (Dinictis).
Trouessart, E. L. 1904 A, 262 (Dinictis).
Oligocene (White River); Nebraska.

Nimravus sectator Matthew.

Matthew, W. D. 1907 A, 171, 204, figs. 17, 18.
1909 C, 112.
1910 C, 310.
O'Harra, C. C. 1920 A, 155.
Lower Miocene (Harrison); South Dakota.

Nimravus sp. indet.

Eaton, G. F. 1922 A, 452, fig. 12. Upper Oligocene (John Day); Oregon.

HOPLOPHONEUS Cope. Type *Machærodus oreodontis* Cope.

Hay, O. P. 1902 A, 778.
Abel, O. 1913 B, 716, fig. 20.
1914 A, 71.
1919 A, 740, fig. 553.
Ameghino, F. 1905 C, 351, 443.
Beddard, F. E. 1902 A, 402.
Boule and Thevenin 1920 A, 240.
Cope, E. D. 1880 U, 156.

Dall and Harris 1892 A, 289.
Eaton, G. F. 1922 A, 436.
Haug, E. 1911 A, 1528.
Hayden, F. V. 1871 A, 107 (Drepanodon).
Heilprin, A. 1887 A, 384 (Drepanodon); 385 (Hoplophoneus).
Hoernes, R. 1886 A, 697.
Huene, F. 1927 D, 148, fig. 4.
Jepsen, G. L. 1926 A, 1, 4.
Leche, W. 1915 A, 320.
Lockington, W. N. 1884 A, 447.
Loomis, F. B. 1905 B, 840, fig. 1.
Lull, R. S. 1917 B, 569, 570, figs. 184, 186.
Lydekker, R. 1896 D, 288.
Matthew, W. D. 1901 B, 369, 370, 384, 386, 392, 394.
1905 D, 43.
1907 A, 174.
1909 C, 110.
1910 C, 289, 290, 308, 312, figs. 1*b*, 3*a*, 4*a*, 5^3, 6*b*, 8*a*.
1912 B, 185.
1915 K, 420.
1924 E, 748.
Merriam, J. C. 1905 B, 173.
1906 A, 46, 61.
1919 A, 543.
Moodie, R. L. 1922 C, 353 (This genus?).
O'Harra, C. C. 1910 A, 81, 148.
Osborn, H. F. 1902 E, 360.
1905 I, 104.
1910 B, 197, 222, 230, 532.
Palmer, T. S. 1904 A, 332, 827.
Pilgrim, G. E. 1915 B, 151.
Schlosser, M. 1898 F, 132, 134, 135.
Scott, W. B. 1913 A, 682, fig. 133.
Seeley, H. G. 1886 A, 519 (Hoplophoneus); 519 (Drepanodon).
Sinclair, W. J. 1921 B, 96.
1924 A, 112, 118.
Sinclair and Jepsen 1927 A, 393.
Thevenin, A. 1907 A, 216 (Haplophoneus).
Thorpe, M. R. 1920 A, 207, 208.
Trouessart, E. L. 1904 A, 262.
Wallace, A. R. 1876 A, I, 134.
Winge, H. 1924 A, 177, 188, 242.
Wood, H. E. 1927 A, 297.
Zittel and Schlosser 1911 A, 397.
1923 A, 478, 670, 672.

Hoplophoneus cerebralis Cope.

Hay, O. P. 1902 A, 778.
Matthew, W. D. 1909 C, 107.
Merriam, J. C. 1906 A, 37, 62.
Merriam and Sinclair 1907 A, 185.
Schlosser, M. 1898 F, 133.
Upper Oligocene (John Day); Oregon.

Hoplophoneus insolens Adams.

Hay, O. P. 1902 A, 778.
Cook, H. J. 1912 D, 38.
Jepsen, G. L. 1926 A, 2.
Matthew, W. D. 1909 C, 107.
1910 C, 313.
O'Harra, C. C. 1920 A, 153.
Schlosser, M. 1898 F, 133.
Sinclair, W. J. 1921 B, 98.
1924 A, 101, 102.
Upper Oligocene (Brule); Nebraska.

Hoplophoneus latidens Thorpe.

Thorpe, M. R. 1920 A, 214, figs. 2, 3.
Sinclair, W. J. 1924 A, 112, 116, 118.
Oligocene (White River); Colorado.

Hoplophoneus marshi Thorpe.

Thorpe, M. R. 1920 A, 211, fig. 1.
O'Harra, C. C. 1920 A, 151.
Sinclair, W. J. 1924 A, 118.
Oligocene (White River); Nebraska.

Hoplophoneus mentalis Sinclair.

Sinclair, W. J. 1921 B, 97, fig. 1.
Jepsen, G. L. 1926 A, 4.
Wood, H. E. 1927 A, 296, figs. 1-6.
Oligocene (Chadron); South Dakota.

Hoplophoneus molossus Thorpe.

Thorpe, M. R. 1920 A, 220, fig. 4.
O'Harra, C. C. 1920 A, 151.
Sinclair, W. J. 1924 A, 112, 116, 118.
Oligocene (White River); Nebraska.

Hoplophoneus occidentalis (Leidy).

Hay, O. P. 1902 A, 778.
Cook, H. J. 1912 D, 36.
Jepsen, G. L. 1926 A, 1.
Matthew, W. D. 1901 B, 369, 394, fig. 16.
1909 C, 105.
1910 C, 313.
Osborn, H. F. 1904 F, 48.
Schlosser, M. 1898 F, 133.
Middle Oligocene (Brule); Nebraska.

Hoplophoneus oharrai Jepsen.

Jepsen, G. L. 1926 A, 1, pl. i; text-fig. 1.
Sinclair and Jepsen 1927 A, 397.
Wood, H. E. 1927 A, 296, 299.
Oligocene (Chadron); South Dakota.

Hoplophoneus oreodontis Cope.

Hay, O. P. 1902 A, 779.
Cook, H. J. 1912 D, 36.
Matthew, W. D. 1901 B, 357.
1909 C, 105.
1910 C, 313.
Schlosser, M. 1898 F, 133.
Sinclair, W. J. 1924 A, 118.
Thorpe, M. R. 1920 A, 213.
Wood, H. E. 1927 A, 297, 300.
Middle Oligocene (Brule); Nebraska: (Cedar Creek); Colorado.

Hoplophoneus primævus (Leidy).

Hay, O. P. 1902 A, 779.
Barbour and Cook 1914 B, 235, fig. 1.
Cook, H. J. 1912 D, 36.
Matthew, W. D. 1901 B, 394.
1909 C, 105.
1910 C, 313, fig. 13.
Merrill, G. P. 1907 A, 44 (Machairodus).
O'Harra, C. C. 1910 A, 83, pl. xxvi, fig. 1.
1920 A, 84, 151, pls. xi, xxviii; text-figs. 29-31.
Osborn, H. F. 1904 F, 26.
1910 B, 197, fig. 87.
Schlosser, M. 1898 F, 132.
Scott, W. B. 1913 A, 536, fig. 264.
Sinclair, W. J. 1924 A, 102, 116, 118, pl. i, fig. 2; text-fig. 5.
Thorpe, M. R. 1920 A, 208, seq.
Wanless, H. R. 1923 A, 220, pl. iii, fig. 2.
Middle Oligocene (Brule); South Dakota, Nebraska?.

Hoplophoneus robustus Adams.

Hay, O. P. 1902 A, 779.
Jepsen, G. L. 1926 A, 2.
Matthew, W. D. 1901 B, 392, 393.
1910 C, 313.
Schlosser, M. 1898 F, 133.
Sinclair, W. J. 1921 B, 98.
1924 A, 102, 113, 116, 118, fig. 6 (This species?).
Thorpe, M. R. 1920 A, 209, 214.
Oligocene (White River); South Dakota, Nebraska.

Hoplophoneus strigidens Cope.

Hay, O. P. 1902 A, 779.
Merriam, J. C. 1906 A, 37. 62 (This species?).
Merriam and Sinclair 1907 A, 185.
Upper Oligocene (John Day); Oregon.

Hoplophoneus sp. indet.

Matthew, W. D. 1909 C, 105. Middle Oligocene; South Dakota, Nebraska, etc.
Wanless, H. R. 1923 A, 220. Oligocene (White River); Nebraska.

Dinælurus Eaton. Type *D. crassus* Eaton.

Eaton, G. F. 1922 A, 437.

Dinælurus crassus Eaton.

Eaton, G. F. 1922 A, 437, figs. 4-6.
Upper Oligocene (John Day); Oregon.

Eusmilus Gervais. Type *E. bidentatus* (Filhol).

Hay, O. P. 1902 A, 778.
Boule and Thevenin 1920 A, 240.
Depéret, C. 1908 A, 169.
1912 A, 708.
Huene, F. 1927 D, 148.
Matthew, W. D. 1901 B, 370.
1909 C, 110.
1910 C, 289, 313.
Merriam, J. C. 1906 A, 61.
O'Harra, C. C. 1910 A, 83, 128.
Osborn, H. F. 1910 B, 227, 532.
Schlosser, M. 1898 F, 134, 135.
1899 F, 167.
Scott, W. B. 1913 A, 254, 538.
Sinclair and Jepsen 1927 A, 391.
Trouessart, E. L. 1904 A, 263.
Winge, H. 1924 A, 177, 188, 242.
Woodward, A. S. 1898 D, 331.
Zittel and Schlosser 1911 A, 397.
1923 A, 478.

Eusmilus dakotensis Hatcher.

Hay, O. P. 1902 A, 778.
Cook, H. J. 1912 D, 38.
Jepsen, G. L. 1926 A, 1.
Matthew, W. D. 1909 C, 107.
1910 C, 314.
O'Harra, C. C. 1920 A, 87, 153.
Schlosser, M. 1899 F, 167.
Scott, W. B. 1913 A, 538.
Sinclair, W. J. 1921 B, 96 (Hoplophoneus).
Sinclair and Jepsen 1927 A, 391.
Oligocene (Upper Brule); Nebraska.

Eusmilus sicarius Sinclair and Jepsen.

Sinclair and Jepsen 1927 A, 491, figs. 1-8.
Oligocene (Oreodon beds); South Dakota.

Eusmilus whitfordi Barbour and Cook.

Barbour and Cook 1914 B, 326, pl. i.
1917 A, 172.
Sinclair and Jepsen 1927 A, 405 (Not Eusmilus).
Pliocene (Devil's Gulch); Nebraska.

Ischyrosmilus Merriam. Type *Machairodus ischyrus* Merriam.

Merriam, J. C. 1918 A, 524 (Machærodus).
1915 F, 262.
1917 A, (No description).
1919 A, 543.
Zittel and Schlosser 1923 A, 479, 680, 681 (Syn. of Smilodon).

Ischyrosmilus? idahoënsis Merriam.

Merriam, J. C. 1918 A, 524, fig. 1.
Hay, O. P. 1927 D, 75, 267, 268.
Merriam, J. C. 1917 A, 432, 433 (I. "n. sp.").
Pleistocene (Idaho); Idaho.

Ischyrosmilus ischyrus (Merriam).

Merriam, J. C. 1905 B, 171, fig. 1 (Machærodus).
Bovard, J. F. 1907 A, 156, 163 (Machærodus?).
Brown, B. 1908 A, 191 (Dinobastis).
Merriam, J. C. 1917 A, 425.
1918 A, 524, 526.
Merriam, J. C. 1919 A, 545.
Osborn, H. F. 1918 A, 31 (Machærodus).
Pliocene (Tulare?); California.

Ischyrosmilus osborni Merriam.

Merriam, J. C. 1919 A, 525, 527, 545, fig. 155.
1917 A, 430 (No description).
Lower Pliocene (Ricardo); California.

MACHAIRODUS Kaup. Type *M. neogæus* Lund.

Hay, O. P. 1902 A, 777.
Abel, O. 1908 D, (209).
1913 B, 716, fig. 20.
1919 A, 740, fig. 553.
Ameghino, F. 1889 A, 1017 (Machærodus).
1912 B, 170, 176.
Arldt, T. 1907 D, 663.
Barbour and Cook 1914 B, 236.
Beddard, F. E. 1902 A, 402 (Machærodus).
Bose, P. N. 1880 A, 121 (Machærodus).
Boule, M. 1902 A, 551.
1902 B, 912.
1906 A.
Boule and Thevenin 1920 A, 240.
Boulenger, G. A. 1919 A, 41 (Machærodus).
Brandes, G. 1900 A, 103 (Machærodus).
Brandt and Woldrich 1887 A, 22 (Machærodus).
Bronn, H. G. 1848 A, 690.
1849 A, 720.
Cook, H. J. 1922 B, 7 (Machærodus).
Depéret, C. 1906 B, 1123.
1907 B.
1909 A, 141.
Frech and Geinitz 1903 A, 39 (Machærodus).
Gaudry, A. 1867 A, 105, pl. xvi (Machærodus).
1891 C, 87, fig. 26.
1896 A, 99.
Geinitz, E. 1903 A, (Machærodus).
1904 A (Machærodus).
Gervais, P. 1852 A, 126.
1859 A, 230.
Giebel, C. G. 1883 A, pl. li (Machærodus).
Haug, E. 1911 A, 1706 (Machærodus).
Heilprin, A. 1887 A, 384.
Hoernes, R. 1886 A, 696 (Machærodus).
Huene, F. 1927 D, 148, fig. 4.
Hull, E. 1914 A, 613.
Huxley, T. H. 1868 C, 318.
1870 F, 542.
Kampfen, P. N. 1905 A, 502 (Machærodus).
Knipe, H. R. 1912 A, 156, fig.
Laloy, L. 1907 A, 588.
Leche, W. 1915 A, 320.
1921 A, 69 (Machærodus).
Lobley, J. L. 1908 A, 211.
Lockington, W. N. 1884 A, 447 (Machærodus).
Lull, R. S. 1917 B, 569, 573, fig. 184 (Machærodus).
Lydekker, R. 1884 A, 332, pl. xliv.
1896 D, 283 (Machærodus).
Mackie, S. J. 1863 D, 345.
Matthew, W. D. 1901 B, 386.
1907 A, 174 (Machærodus).
1909 C, 118 (Machærodus).
1910 C, 290, figs. 3b, 4b (Machærodus).
1918 A, 229 (Machærodus).
Merriam, J. C. 1906 A, 61 (Machærodus).
1918 A, 524 (Machærodus).
1919 A, 543 (Machærodus).
Meunier, S. 1903 A, 776.
Much, —— 1900 A, 103.
Osborn, H. F. 1910 B, 621 (Machærodus).
1912 G, 251 (Machærodus).
1916 B, 541 (Machærodus).
Owen, R. 1845 B, 490, pl. cxxvii, figs. 5, 6.
1845 E, 127.
1868 A, 800.
Palmer, T. S. 1904 A, 391, 828.
Pavlow, M. 1915 A, 38.
Pilgrim, G. E. 1913 A, 391 (Machærodus).
1915 B, 138 (Machærodus).
Schlosser, M. 1898 F, 134, 135.
1902 H, 142.
1902 J, 144.
1903 I, 37, 209, 219.
1924 A, 20.
Schmidt, O. 1886 A, 276.
Scott, W. B. 1913 A, 534, 535, 536.
Seeley, H. G. 1878 A, 226 (Machærodus).
Stremme, H. 1911 A, 89.
Stromer, E. 1906 A, 217 (Machærodus).
Thorpe, M. R. 1922 E, 449 (Machærodus).
Trouessart, E. L. 1904 A, 263.
Wallace, A. R. 1876 A, I, 497.
Weber, M. 1904 A, 540, 541.
Weber and Abel 1928 A, xviii, xix, 341.
Weber and Burlet 1927 A, 237, fig. 176.
Weithofer, A. 1888 A, 236.
Wilckens, O. 1911 A, 708.
Winge, H. 1924 A, 177, 188, 242 (Machærodus).
Woodward, A. S. 1898 B, 400, fig. 225 (Machærodus).
1910 B, 466 (Machærodus).
1923 C, 22 (Machærodus).
Zdansky, O. 1924 B, 109.
Zittel and Schlosser 1911 A, 397.
1923 A, 459, 478, 673, 679.

Machairodus catocopis Cope.

Hay, O. P. 1902 A, 778 (Hoplophoneus).
Cook, H. J. 1922 B, 7, 22-26, 9 figs. [Machærodus (Heterofelis) coloradensis].
Matson and Clapp 1909 A, 137.
Matthew, W. D. 1907 A, 204 (Machærodus).
1909 C, 116 (Machærodus).
1924 C, 65 (Heterofelis); 147, fig. 39 [Machærodus (Heterofelis)]; 148 H. coloradensis a syn.
Merriam, J. C. 1905 B, 173 (Machærodus).
1917 A, 438 ("Machærodus" catocopis).
Upper Miocene or Lower Pliocene (Republican River); Kansas: Lower Pliocene (Snake Creek); Nebraska, Colorado.

Machairodus crassidens Cragin.

Hay, O. P. 1902 A, 778 (Hoplophoneus).
Matthew, W. D. 1909 C, 116 (Machærodus?).
Merriam, J. C. 1917 A, 438 (Machærodus).
Upper Miocene or Lower Pliocene (Republican River); Kansas.

Machairodus niobrarensis Thorpe.

Thorpe, M. R. 1922 E, 448, fig. 13 (Machærodus).
Upper Miocene (Valentine); Nebraska.

Machairodus sp. indet.

Gidley, J. W. 1903 C, 634 (Machærodus). Upper Miocene; Texas.
Matthew, W. D. 1923 A, 12 (Machærodus). Lower Pliocene (Upper Snake Creek); Nebraska.
Thorpe, M. R. 1922 E, 450 (Machærodus?). Tertiary; Nebraska.

DINOBASTIS Cope. Type *D. serus* Cope.

Hay, O. P. 1902 A, 781.
Brown, B. 1908 A, 191.
Hay, O. P. 1923 A, 14.
Matthew, W. D. 1910 C, 316.
1918 A, 229.
Palmer, T. S. 1904 A, 232, 827.
Schlosser, M. 1898 F, 135.
Zittel and Schlosser 1911 A, 394 (Syn. of Smilodon).
1923 A, 479 (Syn. of Smilodon).

Dinobastis serus Cope.

Hay, O. P. 1902 A, 781.
Bovard, J. F. 1907 A, 163.
Dopp, K. E. 1904 A, 22 ("sabre-toothed cat").
Hay, O. P. 1919 C, 107, pl. xxviii, fig. 4.
1920 B, 142, pl. v, figs. 1, 2.
Merriam, J. C. 1905 B, 173.
Sellards, E. H. 1919 A, 74 ("sabre-tooth tiger").
Trouessart, E. L. 1904 A, 264.
Pleistocene: Oklahoma, Texas.

SMILODONTOPSIS Brown. Type *S. troglodytes* Brown.

Brown, B. 1908 A, 188.
Diener, C. 1912 A, 217.
Freudenberg, W. 1914 A, 501.
Hay, O. P. 1923 A, 14.
Matthew, W. D. 1910 C, 316.
1915 K, 402.
1918 A, 229.
Osborn, H. F. 1909 D, 87, 90.
1910 B, 487, 488.
Zittel and Schlosser 1911 A, 398 (Syn. of Smilodon).
1923 A, 479, 681 (Syn. of Smilodon).

Smilodontopsis conardi B. Brown.

Brown, B. 1908 A, 190, pl. xix.
Hay, O. P. 1914 A, 32.
1919 C, 107.
1924 D, 252.
Simpson, G. G. 1928 H, 11.
Pleistocene (Middle); Arkansas.

Smilodontopsis gracilis (Cope).

Hay, O. P. 1902 A, 778 (Machairodus).
Baker, F. C. 1920 A, 208, 215, 398 (Machærodus).
Bovard, J. F. 1907 A, 162, 163, 168 (Machærodus).
Brown, B. 1908 A, 191.
Haug, E. 1911 A, 1886 (Smilodon).
Hay, O. P. 1919 C, 107 (Smilodon).
1920 B, 108 (Machairodus).
1923 A, 314.
Lydekker, R. 1884 A, 333 (Machærodus).
Mercer, H. C. 1897 A, 444 ("saber-tooth tiger").
Merriam, J. C. 1905 B, 173 (Machærodus).
Rhoads, S. N. 1903 A, 231 (Machairodus).
Schlosser, M. 1899 M, 361 (Smilodon).
Trouessart, E. L. 1904 A, 264 (Smilodon).
Pleistocene (Early); Pennsylvania.

Smilodontopsis mercerii (Cope).

Hay, O. P. 1902 A, 778 (Machairodus).
Baker, F. C. 1920 A, 208, 215, 398 (Machærodus).
Brown, B. 1908 A, 191.
Frech and Geinitz 1903 A, 36 (Felis).
Haug, E. 1911 A, 1886 (Smilodon merceri).
Hay, O. P. 1920 B, 108 (Smilodon).
1923 A, 312, 314.
Matthew, W. D. 1918 A, 229 (Machærodus merceri).
Rhoads, S. N. 1903 A, 232 (Machairodus).
Schlosser, M. 1899 M, 360, 362 (Uncia merceri).
Trouessart, E. L. 1904 A, 264 (Smilodon).
Pleistocene (Early); Pennsylvania.

Smilodontopsis mooreheadi Hay.

Hay, O. P. 1920 B, 107, pl. iv, figs. 21, 22.
1923 A, 348.
Pleistocene (Middle); Maryland.

Smilodontopsis troglodytes B. Brown.

Brown, B. 1908 A, 188, pl. xix.
Haug, E. 1911 A, 1887.
Hay, O. P. 1914 A, 32.
1924 D, 252.
Pleistocene (Middle); Arkansas.

SMILODON Lund. Type *S. populator* Lund.

Hay, O. P. 1902 A, 780.
Abel, O. 1912 D, 603.
1912 F, 498, 701, fig. 382.
1913 B, 716, fig. 20.
1914 A, 71.
1919 A, 740, fig. 553.
1920 A, 423, fig. 639.
1922 C, 131, figs. 118, 119.
Ameghino, F. 1885 A, 203.
1889 A, 1025.
1905 A, 2, 60.
1905 B, 198.
1905 C, 443, fig. 90.
1906 B, 4.
1908 A, 39, fig. 3.
1912 B, 170, 176.
Barbour, E. H. 1916 A, 349.
Boule, M. 1902 A, 572.
1923 A, 408, 426.
Boule and Thevenin 1920 A, 235, pl. xxvi.
Burmeister, H. 1866 B, 123 (Machærodus).
1868 C, 181-196, pl.
1886 C, expl. pl. ix (Machærodus neogæus).
Cope, E. D. 1891 N, 77, fig. 49.
1895 G, 596.
Dall and Harris 1892 A, 284.
Diener, C. 1912 A, 224.
Fraipont, C. 1922 A, 578.
Gaudry, A. 1875 D, 1282 (Machærodus).
Giebel, C. G. 1855 A, 21.
Grant, M. 1904 B, 195.
Hay, O. P. 1916 E, 54 ("saber-tooth tiger").
1923 A, 14 (Trucifelis).
1925 D, 245.
1926 E, 388, 390.
Kampfen, P. N. 1905 A, 502.
Leche, W. 1915 A, 320.
Lockington, W. N. 1884 A, 447.
Loomis, F. B. 1905 B, 840, fig. 1.
1926 A, 153 ("saber-tooth").
Lucas, F. A. 1907 A, 46.
Lull, R. S. 1917 B, 567, pl. xx; text-figs. 183, 187.
Lydekker, R. 1884 A, 333 (Machærodus).
MacCurdy, G. G. 1917 A, 261.
Marinelli, W. 1924 A, 32.
Matthew, W. D. 1910 C, 290, 307, 315, figs. 1*d*, 3*c*, 4*c*, 5, 6*d*, 8*d*, 9 (Smilodon); 316, fig. 3*d* (Trucifelis).
1910 G, 155, 159.
1915 A, 198.
1915 K, 447, fig. 25.
1924 E, 748.
Merriam, J. C. 1906 D, 249.
1919 A, 543.
Merriam, Stock and Moody 1916 A, 104.
Moodie, R. L. 1922 C, 353, 357, fig. 16.
1923 B, 566, pls. xliii, liv, fig. 25.
1926 A, 68, 86, text-figs. 7, 9.
1928 C, 1.
Osborn, H. F. 1905 I, 104.
1910 B, 467, 631.
1925 D, 532.
Owen, R. 1845 E, 128 (Smilidon).
Palacký, J. 1902 B, 151.
Palmer, T. S. 1904 A, 635, 829 (Smilodon); 696, 829 (Trucifelis).
Schlosser, M. 1898 F, 134, 135.
Scott, W. B. 1913 A, 204, 531, 532, 533, 534, 536, 622, fig. 262.
Shufeldt, R. W. 1889 D, 27, figs.
Sinclair and Jepsen 1927 A, 393.
Stromer, E. 1902 B, 555.
Thorpe, M. R. 1922 B, 281.
Trouessart, E. L. 1904 A, 264 (Subg. of Machairodus).
Warren, J. C. 1853 B, 256 (Felis, Smylodon).
Weber and Abel 1928 A, 341, fig. 207.
Wood, H. E. 1927 A, 300.
Zittel and Schlosser 1911 A, 398.
1923 A, 479, 680.

Smilodon californicus Bovard.

Bovard, J. F. 1907 A, 157, pl. xiii, figs. 1-4.
Abel, O. 1912 F, 497, fig. 381 (S. californicum).
1919 A, 746, fig. 555.
1926 B, 235, 458, fig. 144.
Archer, W. J. 1918 B, 13 ("saber-tooth").
Bryan, W. A. 1927 A, 78, figs. ("saber-tooth tiger").
Collins, H. O. 1910 A, 6 ("saber-tooth tiger").
Denton, W. 1875 A, 186 ("Machairodus").
Eastman, C. R. 1914 B, 690 ("saber-tooth cat").
Freudenberg, W. 1914 A, 501.
1921 A, 138.
Gilbert, J. Z. 1910 B, 28, figs. 5-7 ("saber-tooth").
H. H. 1927 A, 166, 2 figs. ("saber-tooth").
Hay, O. P. 1926 F, 426 ("saber-tooths").
1927 D, 312.
Huene, F. 1927 D, 144, figs. 1-3, 5.
Lotichius, A. 1911 A, 268, pl.
Lull, R. S. 1921 B, 162.
Lytle, J. W. 1926 A, 23, fig. ("saber-tooth tiger").
Matthew, W. D. 1910 C, 315, fig. 15.
1912 B, 183 ("sabre-tooth tiger").
1913 D, 296, pl.
1914 E, 57, plate ("sabre-tooth tiger").
1914 I, 46.
1916 F, 469, 2 figs. ("sabre-tooth").
Merriam, J. C. 1908 D, 468, 2 figs.
1909 A, 293.
1909 C, 11, fig.
1911 F, 210, fig. 1 ("saber-tooth cats").
1915 G, 101 ("sabre-tooth").
1918 A, 524.
Merriam and Stock 1925 A, 10.
Miller, L. H. 1912 A, 78.
Moodie, R. L. 1917 B, 385, fig. 9 ("Smilodon").
1918 C, 278, fig. 21 ("Smilodon").
1918 D, 507, fig. 33 ("saber-tooth").
1927 A, 93, figs. 3-8, 10, 11.
Osborn, H. F. 1910 B, 473.
1925 D, 528, 531, 533, figs.
Ridgway, J. L. 1926 A, 22, fig. ("saber-tooth tiger").
Schuchert and Levene 1927 A, 341, fig.
Scott, W. B. 1913 A, 195, 531, figs. 113, 261.
Stock, C. 1925 A, 30, 35.
Stoner, R. W. 1913 A, 391 ("sabre-tooth tiger").

Swarth, H. S. 1915 A, 19, figs. 8, 9.
Thorpe, M. R. 1922 B, 281.
Wyman, L. E. 1922 A, 18, figs. 11, 13.
1927 A, 84, figs. ("saber-tooths").
Young and Cooper 1927 A, 5.
Pleistocene (Rancho La Brea); California.

Smilodon fatalis (Leidy).

Hay, O. P. 1902 A, 780.
Bovard, J. F. 1907 A, 163.
Brown, B. 1908 A, 191 (Trucifelis).
Deussen, A. 1924 A, 20 (Smilodon); 108 (Trucifelis).
Hay, O. P. 1919 C, 106 (Trucifelis).
1924 D, 241, 242 (Trucifelis).
Hayes and Kennedy 1903 A, 20.
Leidy, J. 1869 A, 366, pl. xxviii, figs. 10, 11 (Trucifelis).
Lockington, W. N. 1884 A, 447.
Lull, R. S. 1921 B, 160, fig. 1 (This species?).
Matthew, W. D. 1918 A, 229.
Merriam, J. C. 1905 B, 173.
Shuler, E. W. 1923 A, 333 ("saber-tooth tiger").
Pleistocene (Early); Texas.

Smilodon floridanus (Leidy).

Hay, O. P. 1902 A, 781.
Abel, O. 1926 B, 8 (Machairodus).
Bovard, J. F. 1907 A, 158, 160, 162.
Chamberlin, R. T. 1916 A, 35 ("saber-tooth tiger").
Hay, O. P. 1919 C, 106-108, pl. xxvi, figs. 1-3 (Trucifelis).
1923 A, 497 (Trucifelis); 38, 224 (Machairodus).
1924 B, 259 ("saber-tooth").
1926 G, 129 ("saber-tooth").
1927 C, 281.
1927 D, 275.
1928 B, 238 ("sabre-tooth tiger").
1928 C, 426.
Lydekker, R. 1896 D, 284.
Matson and Clapp 1909 A, 136, 137 (Machairodus).
Matthew, W. D. 1918 A, 229.
Sellards, E. H. 1916 B, 103 (Machairodus).
1916 C, 134, 152, 158, pl. xxviii, fig. 1; pl. xxix, fig. 8 (Trucifelis).
1916 D, 617 (Smilodon sp.).
1916 E, 16 ("Smilodon sp.").
1916 F, 9 (Smilodon sp.).
Simpson, G. G. 1928 H, 2, 10, fig. 7 (This species?).
Spencer, J. W. 1895 A, 138.
Wieland, G. R. 1918 A, 93 ("saber-tooth").
Pleistocene (Early); Florida.

Smilodon nebrascensis Matthew.

Matthew, W. D. 1918 A, 226, 228.
Hay, O. P. 1924 D, 305.
1928 C, 423, 426.
Pleistocene (Sheridan); Nebraska.

Smilodon sp. indet.

Frick, C. 1921 A, 341, fig. 46 (This genus?).
Pliocene (Eden); California.
Gidley, J. W. 1925 A, x ("saber-tooth").
Pleistocene; Florida.
Hay, O. P. 1917 B, 22 (This genus?). Pleistocene; Texas.
1924 D, 384. Pleistocene; Kansas, Texas.
1927 A, 5 (This genus?).
1927 D, 223, 274. Pleistocene; California, Florida.
Loomis, F. B. 1924 C, 506. Pleistocene; Florida.
Stock, C. 1925 A, 21 (This genus?). Lower Pliocene (Eden); California: Pleistocene; California.
Todd, J. E. 1918 A, 45 ("large cat"). This genus?). Pleistocene; Kansas.

METAILURUS Zdansky. Type *M. major* Zdansky.

Zdansky, O. 1924 B, 123.
Inasmuch as the species here referred to *Metailurus* have usually been assigned to *Pseudælurus* citations are made to the literature of this genus. Unless otherwise indicated *Pseudælurus* is used
Hay, O. P. 1902 A, 782.
Boulenger, G. A. 1919 A, 41.
Depéret, C. 1912 A, 709.
Gaudry, A. 1875 D, 1282.
Gervais, P. 1852 A, 127.
1859 A, 232.
Haug, E. 1911 A, 1706.
Heilprin, A. 1887 A, 385.
Hoernes, R. 1886 A, 696.
Huene, F. 1927 D, 148.
Leche, W. 1915 A, 320.
Lull, R. S. 1917 B, 569, 571.
Lydekker, R. 1896 D, 289.
Matthew, W. D. 1901 B, 374.
1909 C, 118.
1910 C, 290, 308, 311, figs. 2c, 7d.
1924 C, 65, 72, 147.
1928 B, 974, fig. 13.
Merriam, J. C. 1906 A, 61.
Osborn, H. F. 1909 D, 77, 80.
1910 B, 629.
Pilgrim, G. E. 1915 B, 147.
Schlosser, M. 1898 F, 134, 135.
1902 J, 142.
Schmidt, O. 1886 A, 277.
Scott, W. B. 1913 A, 545.
Trouessart, E. L. 1904 A, 264.
Winge, H. 1924 A, 177, 186. 242.
Zittel and Schlosser 1911 A, 398.
1923 A, 479, 608, 673, 679.

Metailurus intrepidus (Leidy).

Hay, O. P. 1902 A, 782 (Pseudælurus).
Matthew, W. D. 1901 B, 359 (Pseudælurus).
1909 C, 114 (This species?); 116 (Pseudælurus).
1910 C, 290, 312 (Pseudælurus).
1924 C, 147 (Pseudælurus).
Merriam, J. C. 1917 A, 436, fig. 5 (Pseudælurus. This species?).
1919 A, 469 (Pseudælurus).
Merrill, G. P. 1907 A, 59 (Pseudælurus).

Pavlow, M. 1908 A, 41 (Pseudælurus. This species?).
Sinclair, W. J. 1915 A, 76, 81 (Pseudælurus. This species?).
Thorpe, M. R. 1922 E, 446 (Pseudælurus).
Zdansky, O. 1924 B, 127, 131.
Miocene (Middle); Colorado: Miocene (Arikaree); Nebraska; Russia? (M. Pavlow).

Metailurus intrepidus sinclairi (Matthew).

Matthew, W. D. 1918 A, 185, 196, fig. 6 (Pseudælurus).
Zdansky, O. 1924 B, 131, 134.

Metailurus marshi (Thorpe).

Thorpe, M. R. 1922 E, 446, fig. 12 (Pseudælurus).
Zdansky, O. 1924 B, 131, 134.
Upper Miocene (Valentine); Nebraska.

Metailurus sp. indet.

Merriam, J. C. 1917 A, 429 (Pseudælurus). Pliocene (Thousand Creek); Nevada.
1919 A, 450, 469, 527, fig. 27 (Pseudælurus). Miocene (Barstow); California.
Merriam and Stock 1928 A, 8, text-fig. 2 (Pseudælurus). Pliocene (Thousand Creek); Nevada.

FELINÆ Gill.

Gill, T. 1872 B, 59.
Hay, O. P. 1902 A, 781.
Abel, O. 1913 B, 715.
1914 A, 71.
1920 A, 423.
Ameghino, F. 1905 C, 446.
Arldt, T. 1912 A, 702, 748.
Frassetto, F. 1903 A, 309.
Giebel, C. G. 1855 A, 20.
Gray, J. E. 1867 C, 261 (Felina).
Matthew, W. D. 1909 C, 103, 105, 107, 110, 112, 114, 116, 118, 120.
1910 C, 308.
Osborn, H. F. 1909 D, 126.
Pocock, R. I. 1917 A, 332.
Schlosser, M. 1902 J, 144, 233 ("felinen").
Scott, W. B. 1913 A, 530, 543, 681.
Trouessart, E. L. 1904 A, 264.
Weber and Abel 1928 A, 319.
Winge, H. 1924 A, 177, 188 (Felini).
Zittel and Schlosser 1911 A, 398.
1923 A, 479.

FELIS Linnæus. Type *F. catus* Linnæus.

Hay, O. P. 1902 A, 782.
Abel, O. 1914 A, 71.
1919 A, 740, figs. 551, 552.
Adams, L. A. 1919 A, 118.
Alezais, —— 1902 A, 587 ("chat").
Allen, J. A. 1892 A.
Altmann, F. 1905 A, 108.
Ameghino, F. 1889 A, 1012.
1905 C, 445, fig. 91.
1912 B, 170, 176.
Anderson, R. J. 1902 A, 1022, fig. 19.
1902 B, 369, fig. ("puma").
1903 A, 651.
1905 A, 328, figs. 24, 44.
Arldt, T. 1907 D, 167, 201.
Auer, K. 1914 A, 197 ("katze").
Bardeleben, K. 1885 B, 86.
Bardenfleth, K. S. 1913 A, 102.
Bärthold, —— 1904 A, 367.
Beer, G. R. 1926 A, 328, fig. 102.
Bertelli, D. 1909 A, 175.
Beyer, H. 1908 A, 81, 96 ("katze").
Blendinger, W. 1904 A, 465, figs. 11-13.
Boas, J. E. V. 1884 B, 392 ("katze").
1909 A, 531, fig. 7 ("katze").
Bolk, L. 1922 A, 114, fig. 101.
Boule, M. 1906 A.
Boulenger, G. A. 1919 A, 41.
Bradley, O. C. 1905 A, 317, figs. 1, 2 ("lion").
1905 B, 469, figs. 1-13 ("lion").
Brandt and Woldrich 1887 A, 25.
Bronn, H. G. 1838 A, 1309.
1848 A, 491.
1849 A, 719, 783, seq.
Brown, A. E. 1904 B, 93.
Bugnion, E. 1901 A, 94 ("tigre").
Burmeister, H. 1868 C, 188.
Carus and Engelmann 1861 A, 1737.
Corner, E. M. 1896 A, 388.
Cuvier, F. 1825 A, 77, pl. xxiv ("chats").
Cuvier, G. 1805 A.
1809 B, 136.
1825 A, iv, 233, pl. xvii; 407-456, pls. xxxiii-xxxvi.
Depéret, C. 1906 B, 1123.
1909 A, 141.
Dixey, F. A. 1881 A, 68, pl. i, fig. 1 ("cat").
Doran, A. H. G. 1878 A, 391, pl. lix.
Eimer, G. H. T. 1901 A, 258.
Elliot, D. G. 1901 A, 293.
Engelmann, O. 1910 A, 487 ("katze").
Fawcett, E. 1918 A, pl. xi.
Fischer, J. B. 1829 A, 196.
Foote, J. S. 1916 A, 111, 116, 125, pls. xiii, xiv, xvi.
Frassetto, F. 1903 A, 309.
Freund, L. 1911 A, 390.
Frey, H. 1911 A, 414.
Frick, C. 1926 A, 47.
Fuchs, H. 1907 A, 152.
1909 C, 87, figs. 1-5.
1909 D, 206, fig. 46.
1911 B, 410, figs. 49-54 ("katze").
1911 D, 112.
1914 A, 29.
Gaudry, A. 1901 B, 100 ("chat").
Gaupp, E. 1910 C, 356 ("katze").
1911 B, 99 ("katze").
Gegenbaur, C. 1864 C, 187.
1865 C, 559.
Geinitz, E. 1903 A.
1904 A.
Geoffroy St.-Hilaire, E. F. 1832 A, 355 ("chat").
Gervais, P. 1852 A, 122.

Gervais, P. 1859 A, 226.
Giebel, C. G. 1855 A, 21, pls. vi, vii.
1883 A, pls. l, li, lviii, lxxii, lxxix, lxxx, lxxxix.
Gottlieb, H. 1914 A, 188.
Grant, M. 1904 B, 195.
Gray, J. E. 1867 C, 270.
Gregory, W. K. 1921 A, 77.
Gregory and Camp 1918 A ("cat").
Gregory and Noble 1924 A, 555, fig. 12.
Hasse and Schwarck 1870 A, 102.
Haug, E. 1911 A, 1706.
Hay, O. P. 1923 A, 2, 14.
Heilprin, A. 1887 A, 383, 384.
Hensel, R. 1879 A.
Hilzheimer, M. 1905 B, 594, figs. 1-6.
Hoernes, R. 1886 A, 696.
Hommes, J. H. 1924 A, 21, figs. 26, 41, 49 ("cat").
Hoyer and Babik 1924 A, 451, pl. xxxiii, fig. 4 ("löwe").
Hrdlička, A. 1903 A, 370.
Hue, E. 1907 A, pls. xxxviii, xxxix, xl, lxvii, lxxv, lxxvi, lxxxii, xcvii, cxi, cxxv, cxxxv, cxlviii, clxiii, clxxvii.
Huene, F. 1927 E, 148, figs. 4, 5.
Ihering, H. 1910 A, 117.
Jayne, H. 1898 A, 1-816, figs. 1-611.
Kampfen, P. N. 1905 A, 501.
Klatt, B. 1912 A, 161 ("katze").
Köstlin, O. 1844 A.
Kükenthal, W. 1913 A, 646.
Leche, W. 1887 A.
1915 A, 316.
1921 A, 70.
Leunis and Ludwig 1883 A, 182.
Lobley, J. L. 1908 A, 211.
Lockington, W. N. 1884 A, 447.
Lönnberg, E. 1926 A, 1, text-figs. 1-5.
Lubosch, W. 1907 A, 619 ("katze").
Lucae, J. P. 1872 A, 372.
Lull, R. S. 1917 B, 569, 572, fig. 184.
Lydekker, R. 1884 A, 320, pls. xl-xliii.
1896 D, 26, 282.
Mackenzie, W. 1911 A, 364.
Mackie, S. J. 1863 D, 343.
Martins, C. 1872 A, 308.
Matthew, W. D. 1909 D, 324, text-fig. 3.
1910 C, 290, 307, 312, figs. 1, 2, 4-7, 9.
1910 G, 154, 159.
1915 K, 402.
Mead, C. S. 1909 A, 62.
Merriam, C. H. 1892 A, 62.
Merriam, J. C. 1906 A, 61.
1911 B, 216.
1915 F, 259.
Miller, G. S. 1912 A, 456.
1912 B, 115.
1924 C, 155.
Mivart, St. G. 1879 B, 509 ("cat").
1882 B.
Mivart and Clarke 1879 A, 525, pl. lxvi, fig. 7 ("cat").
Mysberg, W. A. 1917 A, 655.
Nehring, A. 1880 A.
Osborn, H. F. 1905 I, 110.
1907 G, 138, figs. 95, 196.
1909 D, 126.
Osborn, H. F. 1916 B, 538.
Owen, R. 1845 B, 486, 489, pl. cxxvii, figs. 1-4.
1845 E, 121.
1868 A, 880.
Pander and Alton 1822 A, 7, pl. vii ("katzen").
Paulli, S. 1900 B, 502, figs. 15-18.
Pictet, F. J. 1853 A, 325, pl. v, figs. 7-9.
Pilgrim, G. E. 1915 B, 138.
Pocock, R. I. 1916 A, 304, figs.
1916 B, 443, fig.
1916 C, 222.
1916 D, 306.
1917 A, 333.
Pohl, L. 1911 A, 148.
Rehs, J. 1914 A, 56.
Retterer, E. 1884 A, 478, 507 ("chat").
1906 A, 201, fig. 3 ("chat").
Retzius, A. 1837 A, 489.
1849 A, 634.
Reynolds, S. H. 1897 A, 436, 437, 439, 450, fig. 84.
Roth, S. 1908 A, 141.
Rudolf, G. de M. 1922 A, 143, fig. 12 ("cat").
Ruhwandl, G. 1916 B, 109, pls. v, vi.
Schlosser, M. 1898 F, 134, 135.
1903 I, 209, 219.
Schmidt, O. 1886 A, 276.
Schwalbe, G. 1904 A, 207.
Sclater, P. L. 1875 A, 205.
Scott, W. B. 1913 A, 543, 681.
Serres, M. 1852 B, 183, 194 ("lions").
Strecker, C. 1887 A, 316.
Stromer, E. 1902 A.
1902 B, 555.
Taschenberg, O. 1899 A, 4570.
Terra, P. 1911 A, 286, figs. 107-109.
Terry, R. J. 1917 A, 281, pls. i-xiii ("cat").
Tims, H. W. M. 1902 A, 336.
1903 A, 140, fig. 2b.
1905 B, 1786, fig. 3.
Toldt, C. 1905 A, 318, figs.
Tourneux, F. and J. P. 1912 A, 93, fig. 29.
Trouessart, E. L. 1904 A, 265.
Virchow, H. 1907 A, 43 ("löwe").
Wagner, R. 1843 A.
Wallace, A. R. 1876 A, I, 494.
Weber, M. 1904 A, 529, 542, fig. 398.
Weber and Abel 1928 A, xviii, xix, 303, 319, 341, figs. 190, 192 ("tiger").
Weber and Burlet 1927 A, fig. 195.
Whitehead and Waddell 1911 A, 100, figs. 5-8 ("cat").
Wilder, B. 1872 B, 319.
1874 A, 301, fig. 1 ("lion").
Williston, S. W. 1910 G, 595.
Winge, H. 1923 A, 354, pl. iii, fig. 7.
1924 A, 177, 186, 246.
Woodward, A. S. 1898 D, 333.
Worthmann, F. 1922 A, 312, fig. 5 ("katze").
Wortman, J. L. 1902 A, XIII, 120.
Zdansky, O. 1924 B, 141.
Zietzschmann, O. 1917 A, 437 ("katze").
Zittel and Schlosser 1911 A, 399.
1923 A, 480, 679-681.
Zuckerkandl, E. 1908 A, 501, 536, figs. 2-4 ("katze").
Zukowsky, L. 1922 A, 175.

Felis atrox Leidy.

Leidy, J. 1853 F, 322, pl. xxxiv.
Hay, O. P. 1902 A, 782.
Antevs, E. 1925 A, 75.
Diener, C. 1912 A, 216.
Foster, J. W. 1857 A, 362.
1869 A, 238, 253.
1873 A, 59 ("lion"); 91 (F. atrox).
Freudenberg, W. 1910 A, 33, pl. viii, fig. 3; pl. ix, fig. 5.
1921 A, 138.
Gilbert, J. Z. 1910 B, 33 ("lion").
Haug, E. 1911 A, 1886, 1887.
Hay, O. P. 1919 C, 109.
1923 A, 265, 391.
1923 E, 395 ("extinct tiger").
1927 D, 303, 305.
1928 C, 428.
Jones, J. C. 1925 A, 49.
Leidy, J. 1853 H, 261 (Description insufficient).
Matthew, W. D. 1914 M, 640.
Merriam, J. C. 1909 A, 301, 303.
1912 A, 44.
1915 C, 379, 380, fig. 1.
1918 D, 517, 520.
Merriam and Stock 1921 A, 567.
1925 A, 23.
Miller, L. H. 1925 A, 309.
Osborn, H. F. 1910 B, 467, 473, 486.
1925 D, 533.
Ruschenberger and Tryon 1879 A, 11.
Schmidt, E. 1872 A, 245.
Scott, W. B. 1913 A, 204, 545.
Shimek, B. 1902 A, 285.
1904 A, 305.
Stock, C. 1925 A, 201 (This species?).
Wyman, L. E. 1922 A, 20.
Zdansky, O. 1924 B, 144.
Pleistocene (Early and Middle); Mississippi, California, Nevada, Mexico.

Felis atrox bebbi Merriam, J. C.

Merriam, J. C. 1909 A, 301, pl. xxvi; text-figs. 1-3 (F. atrox var. bebbi).
Abel, O. 1926 B, 237.
Archer, W. J. 1918 B, 13 ("lion").
Freudenberg, W. 1911 A, 134.
Gilbert, J. Z. 1910 B, 33, fig.
Hay, O. P. 1927 D, 184, 185, 191.
Matthew, W. D. 1914 I, 46.
1914 M, 640.
Merriam, J. C. 1909 C, 11, fig. ("lion").
1911 A, 164.
1912 A, 43, fig. 10.
Merriam and Stock 1925 A, 10.
Miller, L. H. 1912 A, 78.
Osborn, H. F. 1910 B, 473, 486.
1925 D, 529, 531, 533, fig.
Stock, C. 1925 A, 30.
Swarth, H. S. 1915 A, 21, fig. 9.
Pleistocene (La Brea); California; Mexico (*fide* Freudenberg).

Felis augustus Leidy.

Hay, O. P. 1902 A, 782.
Freudenberg, W. 1910 A, 31.
Hay, O. P. 1919 C, 109.
Matthew, W. D. 1909 C, 116 (Machærodus?).
Merrill, G. P. 1907 A, 37.
Thorpe, M. R. 1922 E, 445.
Miocene (Arikaree); Nebraska.

Felis centralis Mearns.

Mearns, E. A.[V] 1901, Proc. Biol. Soc. Wash., XIV, 139.
Gidley, J. W. 1927 E, 274 (This species?).
Hay, O. P. 1927 D, 374 (This species?).
Miller, G. S. 1912 B, 116.
1924 C, 155.
Recent; Costa Rica: Pleistocene; Florida.

Felis couguar Kerr.

Kerr, R. 1792, Anim. Kingd., I, 151.
Hay, O. P. 1902 A, 782 (F. concolor).
Ameghino, F. 1889 A, 1012 (F. concolor).
Anderson, R. J. 1905 A, 328, fig. 21 (F. concolor).
Brown, A. E. 1904 B, 94 (F. concolor).
Brown, B. 1908 A, 186, pls. xix, xxiii (F. cougar).
Cuvier, G. 1809 B, 142 (F. concolor).
Dewey, M. 1918 A, 144, figs. 7, 8 ("mountain lion").
Diener, C. 1912 A, 224 (F. concolor).
Eaton, G. F. 1922 A, 436, 438 (F. concolor).
Elliot, D. G. 1901 A, 293, pl. xxviii (F. concolor).
Fischer, J. B. 1829 A, 197 (F. concolor).
Foote, J. S. 1916 A, 134, pl. xviii (F. concolor).
Frech, F. 1907 A, 315 (F. concolor).
1910 A, 35 (F. concolor).
1921 A, 139 (F. concolor).
Freudenberg, W. 1922 A, 4 (F. concolor?).
Frey, H. 1911 A, 415 (F. concolor).
Gray, J. E. 1867 C, 265 (F. concolor).
Hahn, W. L. 1909 A, 540 (F. cougar).
Haug, E. 1911 A, 1887 (F. concolor).
Hay, O. P. 1914 A, 32 (F. cougar).
1920 B, 109 (F. couguar?).
1923 A, 337, 348.
1924 D, 252 (F. cougar).
1927 D, 251.
Heilprin, A. 1887 A, 19, 383 ("couguar").
Hensel, R. 1879 A, 553 (F. concolor).
Hrdlička, A. 1903 A, 370 (F. concolor).
Ihering, H. 1910 A, 125 (F. concolor).
Lockington, W. N. 1884 A, 453 (F. concolor).
Lydekker, R. 1896 D, 101 (F. concolor).
Matthew, W. D. 1902 F, 321 (F. concolor?).
1910 C, 312, fig. 12 (F. concolor).
Merriam, C. H. 1901 A, 582 (F. cougar).
Merriam, J. C. 1927 A, 268, fig. ("mountain lion").
Miller, G. S. 1912 B, 116.
1924 C, 158.
Osborn, H. F. 1909 D, 89 (F. concolor).
1910 B, 477 (F. concolor).
Pocock, R. I. 1916 C, 227 (F. concolor).
1916 D, 316 (F. concolor).
1916 E, 327 (F. concolor).
1917 A, 336 (Puma concolor).
Rusconi, C. 1927 A, 293, 294 (F. puma).
Scharff, R. F. 1911 A, 107 (F. concolor).
Scott, W. B. 1913 A, 168, 544, 545, figs. 85. 270, 271 (F. concolor).

Stock, C. 1925 A, 199 (F. concolor. This species?).
Trouessart, E. L. 1904 A, 266.
Volk, E. 1911 A, 32, 54 ("puma").
Recent; N. and S. America: Pleistocene; Arkansas?, Illinois?, Maryland.

Felis daggetti Merriam, J. C.

Merriam, J. C. 1918 C, 535.
Abel, O. 1926 B, 237.
Archer, W. J. 1918 A, 1.
Hay, O. P. 1927 D, 184, 191, 197.
Merriam and Stock 1921 A, 567 (This species?).
1925 A, 10, 11 (This species?).
Osborn, H. F. 1925 D, 531, 533.
Stock, C. 1925 A, 30.
Pleistocene (LaBrea, McKittrick); California.

Felis eyra Desmarest.

Desmarest, A. G. 1820, Mammalogie, I, 231.
Hay, O. P. 1902 A, 782.
Baker, F. C. 1920 A, 208, 215, 398.
Elliot, D. G. 1901 A, 295.
Hay, O. P. 1923 A, 312, 314.
Hensel, R. 1879 A, 553.
Ihering, H. 1910 A, 129.
Miller, G. S. 1912 B, 116.
1924 C, 159.
Rhoads, S. N. 1903 A, 232.
Winge, H. 1896 A, 107 (F. eïra).
Recent; Paraguay to Central America?: Pleistocene; Pennsylvania?

Felis hawveri Stock.

Stock, C. 1918 A, 482, figs. 4*a*, 4*b*.
Hay, O. P. 1927 D, 223.
Stock, C. 1925 A, 113.
Pleistocene (Hawver cave); California.

Felis hillianus Cope.

Hay, O. P. 1902 A, 782.
Cope, E. D. 1893 A, 55, pl. xiv, figs. 1-11 (F. hillanus).
Dumble, E. T. 1894 A, 559.
Gidley, J. W. 1903 C, 627.
Hay, O. P. 1919 C, 109.
Matthew, W. D. 1909 C, 120 (F. hillanus).
1910 C, 290.
Merriam, J. C. 1917 A, 434.
Montgomery, T. H. 1904 A, 58.
Osborn, H. F. 1909 D, 83.
1910 B, 366.
Scharff, R. F. 1911 A, 107.
Zdansky, O. 1924 B, 130, 144 (To Metailurus?).
Pliocene (Blanco); Texas.

Felis hyænoides Freudenberg.

Freudenberg, W. 1910 A, 37, pl. ix, figs. 1-3.
1914 A, 501 (Smilodontopsis).
1921 A, 137, 138 (Smilodontopsis).
1922 A, 4.
Pliocene?; Mexico.

Felis imperialis Leidy.

Hay, O. P. 1902 A, 782.
Ashley, G. H. 1895 A, 362 ("lion").
Bovard, J. F. 1907 A, 155, 156, 164.
Cooper, J. G. 1875 A, 390.
Freudenberg, W. 1910 A, 31, pl. viii, fig. 3; pl. ix, fig. 5.
1921 A, 138.
1922 A, 4.
Haug, E. 1911 A, 1887 (Felix).
Hay, O. P. 1919 C, 109.
1927 D, 305.
McCornack, E. C. 1920 A, 16, 23 (This species?).
Matthew, W. D. 1902 F, 321 (This species?).
Merriam, J. C. 1905 B, 173.
1909 A, 303.
Osborn, H. F. 1910 B, 474, 486.
Scott, W. B. 1913 A, 204.
Stock, C. 1925 A, 199 (This species?).
Pleistocene?; California, Washington State, Mexico.

Felis inexpectata (Cope).

Hay, O. P. 1902 A, 783.
Baker, F. C. 1920 A, 208, 215, 398.
Frech and Geinitz 1903 A, 36.
Freudenberg, W. 1910 A, 36.
Haug, E. 1911 A, 1886 (Uncia).
Hay, O. P. 1919 C, 109.
1920 B, 108.
1923 A, 312, 316.
Osborn, H. F. 1910 B, 469 (Uncia).
Rhoads, S. N. 1903 A, 232.
Schlosser, M. 1902 H, 142 (Uncia).
Pleistocene (Early); Pennsylvania.

Felis longicrus B. Brown.

Brown, B. 1908 A, 187, pls. xviii, xxiii.
Freudenberg, W. 1910 A, 36.
Hay, O. P. 1914 A, 32.
1920 B, 108.
1924 D, 252.
Pleistocene (Illinoian?); Arkansas.

Felis? maxima Scott and Osborn.

Hay, O. P. 1902 A, 783.
Matthew, W. D. 1909 C, 116 (Machærodus?).
1918 A, 185 (This genus and species?).
Matthew and Cook 1909 A, 378, fig. 7 (This species?).
Merriam, J. C. 1917 A, 436 (This species?).
Sinclair, W. J. 1915 A, 76 (F. maxima, This genus?).
Trouessart, E. L. 1904 A, 266.
Pliocene (Snake Creek); Nebraska.

Felis oregonensis (Rafinesque).

Rafinesque, C. S. 1912, Atlant. Jour., I, 62 (Felix).
Bovard, J. F. 1907 A, 156, 165, pl. xiv, figs. 3-5 (F. hippolestes).
Elliot, D. G. 1901 A, 294 (F. concolor oregonensis).
Freudenberg, W. 1910 A, 35, fig. 7 (F. onza?).
1921 A, 17 ("jaguar"); 139 (F. onza?).
1922 A, 4 (F. onza?).
Furlong, E. L. 1904 A, 55 (F. hippolestes).
1906 A, 245 (F. hippolestes?).
1907 A, 393 (F. hippolestes?).
Hay, O. P. 1927 D, 302, 305 (F. o. hippolestes).

McCornack, E. C. 1920 A, 16, 23 (F. concolor, F. cougour).
Merriam, C. H. 1897, Proc. Biol. Soc. Wash., XI, 219 (F. hippolestes).
Merriam, J. C. 1912 A, 42, figs. 4-9 (F. hippolestes?).
Miller, G. S. 1912 B, 117.
1924 C, 158.
Miller, L. H. 1912 A, 70, 73, 74 (F. hippolestes).
Osborn, H. F. 1910 B, 474 (F. concolor).
Sinclair, W. J. 1903 A, 711 (Felis "near" hippolestes).
1904 A, 17 (F. hippolestes).
Stock, C. 1925 A, 195 (This species?).
Wyman, L. E. 1922 A, 20, fig. 13.
Recent; Wyoming to Pacific Ocean: Pleistocene; California, Oregon, Mexico.

Felis veronis Hay.

Hay, O. P. 1919 C, 108-109, pl. XXVIII, figs. 5-7.
1923 A, 382.
1924 B, 259 ("tiger").
1927 C, 281 ("tigers").
Pleistocene (Early); Florida.

Felis sp. indet.

Bovard, J. F. 1907 A, 163. Pleistocene (Rancho La Brea); California.
Cooke, C. W. 1926 A, 445 ("tiger"). Pleistocene; Florida.
Freudenberg, W. 1910 A, 6 ("jaguar"). Pleistocene; Mexico.
Frick, C. 1921 A, 341, figs. 47, 48 (This genus?). Pliocene (Eden); California.
Hay, O. P. 1914 A, 26.
1920 B, 143. Pleistocene (Middle); Texas.
1923 A, 321, 376. Pleistocene; Florida.
1924 D. 247. Pleistocene; Texas.
1927 D, 305. Pleistocene; California.
Merriam, J. C. 1911 B, 205, 211, 212, 214, 251, 252, figs. 17-19. Pliocene (Virgin Valley and Thousand Creek beds); Nevada.
1917 A, 428, 429, 439. Pliocene (Rattlesnake); Oregon; (One Thousand Creek); Nevada: (Dunnellon); Florida.
Merriam and Stock 1925 A, 10. Pleistocene (Potter Creek cave); California.
Merriam, Stock, Moody 1925 A, 58, 67, figs. 20, 21 ("felid sp. A." This genus?); 58, 68, ("felid sp. B." This genus?). Pliocene (Rattlesnake); Oregon.
Miller, L. H. 1912 A, 81. Pleistocene (Fossil Lake); Oregon.
Sinclair, W. J. 1903 A, 711 ("sp. nov.").
1904 A, 17 ("Felis n. sp."); 20 (Felis sp.?); 20 ("Felis sp. indet."). Pleistocene (Fossil Lake); Oregon.
Stock, C. 1925 A, 18, 21, 113, 195. Lower Pliocene (Eden); California: Pleistocene (La Brea, Upper San Pedro, caves); California: (Christmas Lake); Oregon.
Thorpe, M. R. 1922 E, 445, 450 (This genus?). Tertiary; Nebraska.

LYNX Kerr. Type *Felis lynx* Linnæus.

Kerr, R. 1792, Anim. King., I, 41, 155.
Allen, J. A. 1892 A.
Baird, S. F. 1857 A, 89.
Bangs, O. 1897 A, 47.
Brandt and Woldrich 1887 A, 32 (Felis).
Doran, A. H. G. 1878 A, 391 (Felis).
Flower and Lydekker 1891 A, 518 ("lynxes").
Frech, F. 1906 A, 481 ("luchs").
Gervais, P. 1852 A, 125 (Felis).
1859 A, 229 (Felis).
Grant, M. 1904 B, 195.
Gray, J. E. 1867 C, 276 (Lyncus).
Hasse and Schwarck 1870 A, 100 (Felis lynx).
Howes, G. B. 1893 C, 592 (Felis).
Hue, E. 1907 A, pls. XXXIX, LXXVI, LXXXII, XCVII, CXI, CXXV, CXXXV, CXLVIII, CLXIII ("lynx").
Leche, W. 1915 A, 317.
1921 A, 70.
Leunis and Ludwig 1883 A, 186.
Lydekker, R. 1896 D, 189 ("lynxes").
1910 E, 352 ("lynx").
Merriam, C. H. 1892 A, 62.
Miller, G. S. 1912 B, 118.
1924 C, 159.
Osborn, H. F. 1909 D, 89, 90.
1916 B, 541.
Palmer, T. S. 1904 A, 390, 828.
Paramore, R. H. 1910 A, 1459, fig. 11 ("lynx").
Pocock, R. I. 1917 A, 334.
Retzius, A. 1837 A, 489.
Schlosser, M. 1898 F, 134, 135.
Scott, W. B. 1913 A, 153, 163, 169, 517, 544.
Seton, E. T. 1909 A, 677.
Taschenberg, O. 1899 A, 4579 (Felis).
Trouessart, E. L. 1904 A, 276 (Subg. of Felis).
Weber, M. 1904 A, 529.
Weber and Abel 1928 A, 320.
Zittel and Schlosser 1923 A, 681.

Lynx calcaratus (Cope).

Hay, O. P. 1902 A, 782 (Felis).
Baker, F. C. 1920 A, 208, 215, 398 (Felis).
Hay, O. P. 1923 A, 312, 316.
Pleistocene (Early); Pennsylvania.

Lynx canadensis Kerr.

Kerr, R. 1792, Anim. King., I, Cat. between 32, 33; 157.
Hay, O. P. 1902 A, 782 (Felis).
Baird, S. F. 1857 A, 99.
Bangs, O. 1897 A, 48.
Cuvier, G. 1825 A, IV, 443 ("lynx du Canada").
Elliot, D. G. 1901 A, 295 (Felis).
Fischer, J. B. 1829 A, 212 (Felis).
Hay, O. P. 1923 A, 310.
1927 D, 251.
Hrdlička, A. 1903 A, 371 (Felis).
Lockington, W. N. 1884 A, 465, fig. 218 (L. canadensis, L. borealis).
Lydekker, R. 1896 D, 195 (Felis).
McCornack, E. C. 1920 A, 16, 23 (Felis).
Matthew, W. D. 1902 F, 321 (Felis. This species?).
Mercer, H. C. 1894 A, 97 ("lynx").

Miller, G. S. 1912 B, 119.
1924 C, 160.
Osborn, H. F. 1909 D, 89 (Felis).
1910 B, 474 (Felis).
Pocock, R. I. 1916 E, 329, fig. 3 (Felis).
Rhoads, S. N. 1903 A, 232.
Seton, E. T. 1909 A, 677, pls. xlviii, xlix; text-figs. 163-187, map 39.
Recent; Canada and northern United States: Pleistocene; Pennsylvania and Oregon.

Lynx compressus B. Brown.

Brown, B. 1908 A, 185, pl. xviii.
Hay, O. P. 1914 A, 32.
1924 D, 252.
Pleistocene (Middle); Arkansas.

Lynx fasciatus fasciatus Rafinesque.

Rafinesque, C. S. 1817, Amer. Monthly Mag., II, 46 (L. fasciatus).
Baird, S. F. 1857 A, 96 (L. fasciatus).
Hay, O. P. 1927 D, 215 (L. fasciatus).
Miller, G. S. 1912 B, 119.
1924 C, 160.
Miller, L. H. 1912 A, 70 (L. fasciatus).
Osborn, H. F. 1925 D, 531 (Felis lynx).
Stock, C. 1925 A, 113 (L. fasciatus).
Recent; coast region of northwestern U. S.: Pleistocene (Caves); California.

Lynx fasciatus parvus Bovard.

Bovard, J. F. 1907 A, 165, pl. xiv, fig. 2 (Felis).
Elliot, D. G. 1901 A, 297 (Felis).
Miller, L. H. 1912 A, 70 (L. fasciatus n. subsp.?).
Sinclair, W. J. 1903 A, 711.
1904 A, 17.
Pleistocene (Caves); California.

Lynx rufus (Schreber).

Schreber, J. C. D. 1777, Säugethiere, Th. III, 412, pl. cix A (Felis).
Hay, O. P. 1902 A, 783 (Felis ruffus).
Allen, J. A. 1902 A, 90.
Baird, S. F. 1859 A, 90.
Bangs, O. 1897 A, 49, pl. ii, fig. 3 (L. ruffus).
Brown, B. 1908 A, 186, pl. xviii (This species?).
Cuvier, G. 1825 A, iv, 443 (Felis).
Elliot, D. G. 1901 A, 296 (Felis).
Frech and Geinitz 1903 A, 36 (L. rufus).
Hay, O. P. 1914 A, 32 (F. ruffus).
1923 A, 489 (L. ruffus).
1924 D, 252.
Lockington, W. N. 1884 A, 466.
Lydekker, R. 1896 D, 197 (Felis rufa).
Miller, G. S. 1912 B, 120.
1924 C, 161.
Pocock, R. I. 1916 C, 227 (Felis).
Pocock, R. I. 1916 E, 331 (Felis).
Scott, W. B. 1913 A, 544, fig. 269.
Simpson, G. G. 1928 H, 2, 10.
Recent; eastern United States: Pleistocene (Middle); Arkansas.

Lynx rufus californicus Mearns.

Mearns, E. A. 1897, Proc. U. S. Nat. Mus., XX, 458.
Abel, O. 1926 B, 237 (Felis).
Elliot, D. G. 1901 A, 298 (Felis).
Merriam, C. H. 1899, N. Amer. Fauna, No. 16, 104 (L. californicus).
Merriam, J. C. 1910 A, 394 (L. californicus).
Merriam and Stock 1925 A, 10.
Miller, G. S. 1912 B, 120 (L. ruffus californicus).
1924 C, 161.
Osborn, H. F. 1925 D, 531.
Recent; region of San Diego County, California: Pleistocene (La Brea); Los Angeles, California.

Lynx rufus fischeri (J. C. Merriam).

Merriam, J. C. 1910 A, 394 (L. californicus fischeri).
Hay, O. P. 1927 D, 184, 191 (L. r. fischeri); 184 (L. californicus fischeri).
Miller, L. H. 1912 A, 78 (L. occidentalis fischeri).
Stock, C. 1925 A, 30 (L. "near" rufus californicus).
Swarth, H. S. 1915 A, 22 (L. californicus fischeri).
Pleistocene (La Brea); California.

Lynx rufus floridanus (Rafinesque).

Rafinesque, C. S. 1817, Amer. Monthly Mag., II, 46.
Baird, S. F. 1859 A, 91.
Bangs, O. 1897 A, 49, pl. ii, fig. 4.
1898 A, 234 (L. ruffus f.).
Elliot, D. G. 1901 A, 299 (Felis).
Gidley, J. W. 1927 E, 274 (This species?).
Hay, O. P. 1917 E, 46, 64.
1923 A, 382 (L. ruffus flor.).
1927 D, 274.
Miller, G. S. 1912 B, 120 (L. ruffus flor.).
1924 C, 161.
Sellards, E. H. 1916 C, 152, 158, pl. xxviii, fig. 3 ("Lynx").
1916 E, 17 (Lynx sp).
Recent; Florida: Pleistocene; Florida.

Lynx sp. indet.

Gidley, J. W. 1920 B, 282 ("lynx"). Pleistocene (Middle); Maryland.
Hay, O. P. 1923 A, 350. Pleistocene (Sangamon); Maryland.

Suborder Pinnipedia Illiger.

Illiger, C. 1811 A, 138.
Hay, O. P. 1902 A, 783.
Abel, O. 1904 A, 183.
1907 G, 10, 34 ("robben").
1908 A, 479 ("pinnipeds").
Abel, O. 1912 D, 600 ("robben").
1912 F, 124, 175, 693 ("pinnipedier").
1913 B, 712 ("pinnipedier").
1914 A, 57, 80 ("pinnipedien").
1919 A, 747.

Abel, O. 1920 A, 423.
Adloff, P. 1903 A, 367 ("pinnipedier").
1913 C, 8 ("pinnipedier").
1917 B, 350.
1920 A, 179, 188 ("pinnipedier").
Ameghino, F. 1889 A, 1022.
1905 C, 439.
1906 A, 356.
Anthony, R. 1912 A ("pinnipèdes").
1913 A, 248 ("pinnipeds").
Arldt, T. 1907 D, 674.
Bardeleben, K. 1885 B, 85.
Bayer, F. 1897 A, 147.
Beddard, F. E. 1902 A, 446.
Boas, J. E. V. 1914 B, 577, 582 ("pinnipedien").
Bolk, L. 1913 A, 102 ("pinnipedier").
Bonaparte, C. L. 1832 A, 287.
Branca, W. 1915 A, 50.
Braus, H. 1906 A ("pinnipedier").
Broman, I. 1920 A, 299-406.
Brown, A. E. 1904 B, 90 ("seals").
Carruccio, A. 1913 B, 178 (Pinnipedi).
Carus, V. 1875 A, 131.
Case, E. C. 1899 B, 182 (Pinnipeda).
Cope, E. D. 1891 N, 75, 90.
Dana, J. D. 1863 C, 333 ("pinnipeds").
Dollo, L. 1922 A, 216 ("pinnipèdes").
Doran, A. H. G. 1878 A, 399.
Eggeling, H. 1904 A, 97 ("pinnipedier").
Eimer, G. H. T. 1901 A, 163, 219 ("pinnipedier").
Elliot, D. G. 1901 A, 355.
Fleischmann, A. 1904 A, 483.
Fraas, E. 1904 A, 24 ("pinnipedier").
1905 B, 376.
Frassetto, F. 1915 A, 30.
Frey, H. 1911 A, 416.
Gegenbaur, C. 1864 C, 191 ("pinnipedien").
Giebel, C. G. 1855 A, 80.
1883 A ("pinnipedier").
Gottlieb, H. 1914 A, 210 ("pinnipedier").
Gray, J. E. 1844 A, 2 ("seals").
Gregory, W. K. 1910 A, 71, 312, 314, 315, 416, 465.
1920 A, 156, 239.
Hasse and Schwarck 1870 A, 105.
Hay, O. P. 1923 A, 21.
Hilzheimer, M. 1913 A, 566.
Hoernes, R. 1886 A, 697.
Hogben, L. T. 1919 A, 74.
Howes, G. B. 1903 A, 326.
Huxley, T. H. 1870 F, 531 ("seals").
Jacobi, A. 1921 A, 217 ("pinnipedier").
Jaekel, O. 1911 A, 229 (Phocidi).
Kellogg, R. 1922 A, 23-132.
1924 C, 755 ("pinnipeds").
Köstlin, O. 1844 A ("seehunde").
Koken, E. 1893 B, 487, 499 ("pinnipedier").
Kükenthal, W. 1913 A, 501.
Larger, R. 1913 A, 718 ("pinnipèdes").
Lebouco, H. 1904 A, 120 ("pinnipedier").
1904 B, 1 ("pinnipèdes").
Leche, W. 1887 A.
1900 A, 1021.
Leriche, M. 1910 C, 369 ("pinnipèdes").
Leunis and Ludwig 1883 A, 201.
Lockington, W. N. 1884 A, 466.
Lucae, J. C. 1872 A, 285 ("pinnipedien")
1875 A.
Lull, R. S. 1917 B, 322.
Lydekker, R. 1907 C, 453.
Martins, C. 1857 A, 81 ("pinnipèdes').
Matthew, W. D. 1901 A, 8.
1905 D, 45.
1909 D, 316, 413, 430, 531.
1915 A, 223.
Miller, G. S. 1924 C, 162.
Osborn, H. F. 1907 G, 13, 131, 143.
1910 B, 533.
Osburn, R. C. 1903 A, 653.
1906 A, 447.
Owen, R. 1857 E (Pinnigrada).
1858 A, 31 ("pinnigrades").
Palacký, J. 1902 C, 25 ("pinnipedien").
Parker and Haswell 1897 A, 475.
Perna, G. 1906 A, 122.
Pohl, L. 1909 A, 382 ("pinnipedier").
1911 A, 115, 149 ("pinnipedier").
Pompeckj, J. F. 1925 A, 10 ("robben").
Reche, O. 1905 B, 244.
Rehs, J. 1914 A, 2, 64.
Reynolds, S. H. 1897 A, 550.
Römer, F. 1907 A, 67 ("robben").
Ryder, J. 1887 A, 346 ("pinnipeds").
1887 B.
Schlosser, M. 1897 B, 19 ("pinnipedier").
1904 B, 447.
Sclater, P. L. 1897 A, 350.
Seeley, H. G. 1886 A, 516.
Steinmann, G. 1907 A, 474.
1912 A, 46 ("pinnipedier").
Sterling, S. 1910 C, 668 ("pinnipedier").
Stromer, E. 1902 B, 561 ("pinnipedier").
1908 B, 157 (Fissipedia, *errore*).
1912 A, 182.
Taschenberg, O. 1899 A, 4438.
Terra, P. 1911 A, 292.
Thompson, D. W. 1889 A, 226 ("pinnipèdes").
Tornier, G. 1891 A, 153.
Trouessart, E. L. 1904 A, 279.
Underhill, B. M. 1910 A, 85.
Van den Broeck, A. J. P. 1912 A, 783.
Wagner, R. 1843 A, 12.
Weber, M. 1886 A, 231, 240.
1904 A, 543.
Weber and Abel 1928 A, 343, 348, 353.
Weber and Burlet 1927 A.
Woodward, H. 1904 B, 163.
Woodward, M. F. 1894 B, 436.
Wortman, J. L. 1894 A, 157.
1901 B, xi, 338; xii, 281.
1902 A, xiii, 104.
1906 A, 90.
Zittel and Schlosser 1911 A, 399.
1923 A, 480, 482.

DESMATOPHOCIDÆ, new family.

DESMATOPHOCA Condon. Type *D. oregonensis* Condon.

Condon, T. 1906 A, 5.
Lydekker, R. 1907 C, 452.
1908, Internat. Cat. Sci. Lit. for 1906, Mamm., 68 (Desmatognathus).
Matthew, W. D. 1915 A, 224.
Weber and Abel 1928 A, 353.
Wortman, J. L. 1906 A, 90.

Desmatophoca oregonensis Condon.

Condon, T. 1906 A, 5, pls. i, ii.
1910 A, 117 ("seal"); pl. vi (Desmatophoca).
Hay, O. P. 1915 B, 383.
Kellogg, R. 1921 A, 213.
1922 A, 31, 59, 62, 84, tab. 1.
1925 B, 71, 97.
Lydekker, R. 1908, Internat. Cat. Sci. Lit. for 1926, Mamm., 68 (Desmatognathus).
Smith and Packard 1919 A, 97.
Wortman, J. L. 1906 A, 90.
Middle Miocene; Oregon.

OTARIIDÆ Gill.

Gill, T. 1866 A, 10, 13.
Hay, O. P. 1902 A, 783.
Abel, O. 1907 A, 227 ("ohrenrobbe").
1907 G, 11, fig. 8 ("ohrenrobbe").
1908 E, 405.
1912 F, 688, 689 ("otariiden").
1913 B, 718 ("otariiden").
1914 A, 81 ("otariiden").
1921 A, 222 ("ohrenrobben").
Allen, J. A. 1870 A, 1 (Otariadæ).
Ameghino, F. 1906 B, 4 (Otaria).
Arldt, T. 1907 D, 670.
1912 A, 702, 703, 748.
Bateson, W. 1892 A, 105.
Beddard, F. E. 1902 A, 450.
Boas, J. E. V. 1914 B, 583 ("ohrenrobben").
Braun, M. 1908 A, 409 ("ohrenrobben").
Camerano, L. 1916 B, 9, pl. iv, figs. 8, 9 (Otaria).
Condon, T. 1906 A, 13.
Doran, A. H. G. 1878 A, 399, 407, pl. lix.
Eggeling, H. 1904 A, 97, fig. 38 (Otaria).
Elliot, D. G. 1901 A, 355.
Fraas, E. 1905 B, 377.
Giebel, C. G. 1883 A ("ohrrobben").
Gill, T. 1871 C, 683 (Otariadæ).
Gottlieb, H. 1914 A, 189 (Otaria).
Gray, J. E. 1866 B, 228.
1869 D, 264 (Otariadæ).
1874 A, 24 (Otariadæ).
Henderson, J. 1904 A, 466 ("sea-lions").
Hennicke, C. 1902 A, 159, 163.
Hogben, L. T. 1919 A, 74.
Kampfen, P. N. 1905 A, 543.
Kellogg, R. 1921 A, 212.
1922 A, 26, 51, 58.
1925 B, 72, 97.
1927 C, 28.
Köstlin, P. 1844 A ("otarien").
Leboucq, H. 1889 A, 573 (Otaria).
Leche, W. 1887 A ("otarien").
1900 A, 1021.
Le Damany, P. 1903 G, 139, fig. 5 ("otarie").
1906 A, 63, figs. 17, 18 ("otarie").
1906 B, 164 ("otarie").
Leriche, M. 1910 C, 370 ("otaries").
Leunis and Ludwig 1883 A, 203 (Otariæ).
Lilljeborg, W. 1860 A, 297 (Otaria).
Lobley, J. L. 1908 A, 200, 204.
Lockington, W. N. 1884 A, 470.
Lucas, F. A. 1904 E, 537 ("seals").
Matthew, W. D. 1915 A, 224.
Meckel, J. F. 1825 A ("seehunde").
Metcalf, M. M. 1904 A, 722 ("seals and sea-lions").
Miller, G. S. 1924 C, 162.
Nilsson, S. 1841 A, 328 (Otaria).
Owen, R. 1845 B, 505 (Otariæ).
Pohl, L. 1911 A, 149, pl. vii, fig. 38.
Rehs, J. 1914 A, 64.
Reynolds, S. H. 1897 A, 439, 498 (Otaria).
Ryder, J. 1887 B, 434, 447 (Otariæ, Otariadæ).
Schlosser, M. 1897 B, 18 ("robben").
Sclater, P. L. 1897 A, 350.
Taschenberg, O. 1899 A, 4643.
Tornier, G. 1891 A, 162 (Otaria).
Trouessart, E. L. 1904 A, 279.
Van Beneden, P. J. 1871 A, 62 ("otaries").
Wagner, R. 1843 A ("seehunde").
Weber, M. 1904 A, 548.
Weber and Abel 1928 A, 343, 349.
Winge, H. 1896 A, 126, 128.
1924 A, 178, 192, 205, 208, 244 (Otariidæ, Otariini).
Wortman, J. L. 1894 A, 159.

ZALOPHUS Gill. Type *Otaria californiana* Lesson.

Gill, T. 1866 A, 7.
Allen, J. A. 1880 A, 275.
Miller, G. S. 1912 B, 121.
1924 C, 162.

Zalophus sp. indet.

Kellogg, R. 1927 C, 33, fig. 7. Pleistocene (Early); California.

ALLODESMUS Kellogg. Type *A. kernensis* Kellogg.

Kellogg, R. 1922 A, 26, seq.
Hay, O. P. 1927 D, 173, 174.
Kellogg, R. 1927 C, 27.
Zittel and Schlosser 1923 A, 481.

Allodesmus kernensis Kellogg.

Kellogg, R. 1922 A, 26, figs. 1-19, tab. i.
Hanna, G. D. 1923 A, 65, pl. ix, figs. *h, j, k.*
Hay, O. P. 1927 D, 173, 174.
Kellogg, R. 1925 B, 71.
Middle Miocene (Temblor); California.

PONTOLIS True. Type *Pontoleon magnus* True.

True, F. W. 1905 B, 253. (To replace Pontoleon preocc.).
Lydekker, R. 1907 C, 452 (Pantoleon).
Matthew, W. D. 1915 A, 224 (Pontoleon).
True, F. W. 1905 A, 47 (Pontoleon, type *P. magnus* True).
1909 A, 144.

Pontolis magnus True.

True, F. W. 1905 A, 48 (Pontoleon).
Dall, W. H. 1909 A, 17.
Kellogg, R. 1921 A, 212.
1922 A, 29, 60, tab. i.
1925 B, 97, 98, 14 figs. (This species).
Lydekker, R. 1905 C, 230.
True, F. W. 1905 B, 253.
1909 A, 144, pls. xxi-xxiii.
Middle Pliocene (Empire); Oregon.

Pontolis sp. indet.

Kellogg, R. 1922 A, 60, tab. i ("otarid").
Lower Pliocene; California.

PITHANOTARIA Kellogg. Type *P. starri* Kellogg.

Kellogg, R. 1925 B, 74.

Pithanotaria starri Kellogg.

Kellogg, R. 1922 A, 70 ("phocid").
Kellogg, R. 1925 B, 74, pls. xii, xiii; text-figs. 1-10.
Sarmatian or Upper Miocene; California.

PLIOPEDIA Kellogg. Type *P. pacifica* Kellogg.

Kellogg, R. 1921 A, 213.

Pliopedia pacifica Kellogg.

Kellogg, R. 1921 A, 213, figs. 1, 4, 6-13.
1922 A, tab. i.
Kellogg, R. 1925 B, 97.
Upper Miocene (Santa Margarita); California.

EUMETOPIAS Gill. Type *Otaria stelleri* Lesson.

Hay, O. P. 1902 A, 783.
Allen, J. A. 1870 A, 45.
Elliot, D. G. 1901 A, 355.
Gill, T. 1871 C, 676, 681.
Gray, J. E. 1844 A, 5 (Otaria).
1866 B, 232.
1869 D, 269.
Heilprin, A. 1887 A, 391.
Kellogg, R. 1922 A, 28, seq.
1925 B, 102.
1927 C, 27.
Lockington, W. N. 1884 A, 471.
Miller, G. S. 1912 B, 121.
1923 A, 9, 10, pl. ii, fig. 2; pl. iii, fig. 1.
1924 C, 162.
Owen, R. 1845 B, 509, pl. cxxxii (Otaria).
Ryder, J. 1887 B, 439.
Taschenberg, O. 1899 A, 4569.
True, F. W. 1909 A, 145.
Weber, M. 1904 A, 549 (Otaria).
Weber and Abel 1928 A, 342, 346, 351, fig. 208.

Eumetopias jubata (Schreber).

Schreber, J. C. D. 1776, Säugethiere, III, 7 (Phoca).
Hay, O. P. 1902 A, 783 (E. stelleri).
Allen, J. A. 1870 A, 46, pl. i; pl. ii, figs. 9-15 (E. stelleri).
Doran, A. H. G. 1878 A, 400 (E. stelleri).
Elliot, D. G. 1901 A, 355, pl. xxxix (E. stelleri).
Gill, T. 1871 C, 681 (E. stelleri); 679 (Otaria jubata).
Gray, J. E. 1844 A, 5 (E. stelleri).
1866 B, 237 (E. stelleri).
1874 A, 25 (E. stelleri).
Hanna, G. D. 1923 A, 65.
Hay, O. P. 1927 D, 302 (E. stelleri); 305 (E. jubata).
Kellogg, R. 1921 A, 212, figs. 2, 5.
1922 A, 37, 61, tab. i (E. stelleri).
1925 B, 99, 15 figs.
1927 C, 35, 36.
Lockington, W. N. 1884 A, 471, fig. 220 (E. stelleri).
Matsumoto, H. 1926 A, 13, pl. vi (E. stelleri).
Miller, G. S. 1912 B, 121.
1924 C, 162.
Palacký, J. 1902 C, 252 (E. stelleri).
Trouessart, E. L. 1904 A, 279.
Van Beneden, P. J. 1877 A, 9, 10, 13 (E. stelleri).
Recent; North Pacific to Patagonia: Pleistocene (?); California, Japan.

DUSIGNATHUS Kellogg. Type *D. santacruzensis* Kellogg.

Kellogg, R. 1927 C, 27.

Dusignathus santacruzensis Kellogg.

Kellogg, R. 1927 C, 27, figs. 1-7.
Upper Miocene (Santa Margarita); California.

ODOBENIDÆ Palmer.

Palmer, T. S. 1904 A, 833.
Hay, O. P. 1902 A, 783.
Abel, O. 1914 A, 81 ("trichechiden").
Allen, J. A. 1870 A, 20 (Rosmaridæ).
1880 A, 5, 17 (Odobænidæ).
Arldt, T. 1907 D, 246, 265 (Trichechidæ).
1912 A, 748.
Beddard, F. E. 1902 A, 451 (Trichechidæ).
Berry and Gregory 1906 A, 448 (Odobænidæ).
Boas, J. E. V. 1914 B, 583 ("walrosse").
Bonaparte, C. L. 1832 A, 287 (Trichechidæ).
Carus, J. V. 1875 A, 133 (Trichechina).
Cuvier, F. 1825 A, 233 ("morses").
Elliot, D. G. 1901 A, 357 (Trichecidæ).
Gervais, P. 1859 A, 275 ("trichéchidés").
Gill, T. 1871 C, 676, 682 (Rosmariadæ).
Gray, J. E. 1821 A, 302 (Trichecidæ).
1825 A, 340 (Trichechidæ).
Hasse, C. 1910 A, 298 ("morses").
Hoernes, R. 1886 A, 697 (Odobænidæ).
Hogben, L. T. 1919 A, 74 (Trichechidæ).
Kampfen, P. N. 1905 A, 545 (Trichechidæ).
Kellogg, R. 1922 A, 46, 98.
Kükenthal, W. 1913 A, 502 (Trichechidæ).
Leunis and Ludwig 1883 A, 202 (Trichechina).
Lobley, J. L. 1908 A, 200 (Trichechidæ).
Lockington, W. N. 1884 A, 467 (Trichechidæ).
Martins, C. 1872 A, 307 ("morses").
Matthew, W. D. 1915 A, 224 ("walruses").
Meckel, J. F. 1825 A ("wallrosse").
Miller, G. S. 1912 B, 126.
1924 C, 167.
Osborn, H. F. 1910 B, 533 (Odobænidæ).
Reynolds, S. H. 1897 A, 557, 558 (Trichechidæ).
Rutten, L. 1907 A, 798 ("trichechiden").
1907 B, 2 ("trichechids").
Sclater, P. L. 1897 A, 350 (Trichechidæ).
Sokolowsky, A. 1908 A, 237 ("walrosse").
Terra, P. 1911 A, 294 (Trichechidæ).
Trouessart, E. L. 1904 A, 281 (Trichechidæ).
Van Beneden, P. J. 1877 A, 23 (Trichecina); 39 ("trichécides").
Wallace, A. R. 1876 A, II, 203 (Trichechus).
1894 A, 435 (Trichechidæ).
Weber and Abel 1928 A, 343, 351.
Wichmann, C. E. A. 1907 A, 798 ("trichechiden").
Winge, H. 1924 A, 178, 208 (Trichechini).
Zittel and Schlosser 1911 A, 400.
1923 A, 483 (Trichechidæ).

PROROSMARUS Berry and Gregory. Type *P. alleni* Berry and Gregory.

Berry and Gregory 1906 A, 444.
Kellogg, R. 1922 A, 52, 56, 84, 100.
Weber and Abel 1928 A, 353.

Prorosmarus alleni Berry and Gregory.

Berry and Gregory 1906 A, 444, 447, figs. 1, 4.
Clark and Miller 1912 A, 167, 168 (Prorosmerus).
Kellogg, R. 1922 A, 26, 47, 100, tab. i.
Upper Miocene (Yorktown); Virginia.

ODOBENUS Brisson. Type *Phoca rosmarus* Linnæus.

Unless otherwise indicated the authors cited use for this genus the name *Trichechus*.
Hay, O. P. 1902 A, 784 (Odobenus).
Abel, O. 1907 A, 227 ("walross").
1910 B, (186) ("walross").
1912 F, 465 ("walross"); 705.
Allen, J. A. 1870 A, 23 (Rosmarus).
Anderson, R. J. 1902 A, 119, fig. 8.
Bardeleben, K. 1889 A, 107 ("walross").
Beddard, F. E. 1902 A, 451.
Berry and Gregory 1906 A, 444 (Odobænus).
Bonsdorff, E. J. 1871 A, 318.
Bronn, H. G. 1849 A, 719.
Carus, V. 1875 A, 133.
Cuvier, F. 1825 A, 234, pl. xci ("morses").
Cuvier, G. 1803 A, 165 ("morse").
1805 A.
Doran, A. H. G. 1878 A, 401, pl. lix.
Eimer, G. H. T. 1901 A, 262.
Elliot, D. G. 1901 A, 358, 513.
Fraas, E. 1905 B, 377.
Gervais, P. 1859 A, 275.
Giebel, C. G. 1855 A, 82.
1878 C, 853 ("wallross").
1883 A, pls. xxxvi, lxi, lxxiv, lxxxii.
Gill, T. 1871 C, 683 ("walrus").
Gottlieb, H. 1914 A, 189.
Gray, J. E. 1844 A, 3 (Trichechus).
1866 B, 229 ("morse").
Gregory, W. K. 1920 A, 157, fig. 100 (Odobænus).
Hasse, G. 1910 A, 298 ("morse").
1911 A, 172.
Hasse and Schwarck 1870 A, 105, figs. 32-34.
Heilprin, A. 1887 A, 391 (Trichechus).
Hoernes, R. 1886 A, 697.
1912 A, 661.
Kellogg, R. 1922 A, 31, 54.
Kingsley, J. S. 1925 A, 296, fig. 319 ("walrus").
Köstlin, O. 1844 A.
Lankester, E. R. 1880 A, 144.
Larger, R. 1913 A, 708 ("morses").
Lataste, F. 1887 A, 270 ("morse").
Leboucq, H. 1889 A, 573.
1904 A, 122.
Leche, W. 1887 A (Rosmarus).
Le Damany, P. 1906 B, 164 ("morses").
Leunis and Ludwig 1883 A, 202.
Lockington, W. N. 1884 A, 468.
Lucae, J. P. 1872 A, 370.
Martins, C. 1857 A, 69 ("morses").
Meckel, J. F. 1825 A.
Miller, G. S. 1912 B, 126 (Odobenus).
1924 C, 167 (Odobenus).
Nilsson, S. 1841 A, 321.
Osborn, H. F. 1910 B, 449, 487, 489, 490, 533 (Odobænus).
Owen, R. 1845 E, 126 ("walrus").
Palmer, T. S. 1904 A, 470, 834 (Odobenus).
Pander and Alton 1826 A, 6.
Peters, W. 1872 A, 151 (Odobænus).
Pictet, F. J. 1853 A, 223.

Retzius, A. 1837 A, 491.
Reynolds, S. H. 1897 A, 558.
Rutten, L. 1907 A, 798.
1907 B, 2.
Ryder, J. 1887 B, 431, fig. 3 ("walrus").
Schmidt, O. 1886 A, 287.
Scott, W. B. 1917 A, 32, 130 ("walrus").
Seeley, H. G. 1876 C, 177 ("walrus").
Steenstrup and Sundevall 1860 A, 270 (Odobænus, Odontobænus).
Steinmann, G. 1908 A, 262, figs. 169, 172.
Stromer, E. 1902 B, 555.
Taschenberg, O. 1899 A, 4697.
Terra, P. 1911 A, 294.
Trouessart, E. L. 1904 A, 281.
Turner, H. N. 1848 A, 84 ("walrus").
Weber and Abel 1928 A, 345, 351.
Wichmann, C. E. A. 1907 A, 798.
Wilder, B. 1872 B, 319.
Winge, H. 1924 A, 178, 208, 244.
Zittel and Schlosser 1923 A, 483.

Odobenus divergens (Illiger).

Illiger, J. C. W. 1815, Abh. Akad. Wiss. Berlin, 1804-1811 (1815), 68 (Trichechus).
Barrett-Hamilton, G. E. H. 1897 A, 266 (Trichechus obesus).
Elliot, D. G. 1901 A, 358 (Trichechus obesus).
Hanna, G. D. 1919 A, 220 ("walrus." This species?).
Kellogg, R. 1921 A, 212.
Matsumoto, H. 1926 A, 15, pl. vii (Odobœnus obesus).
Miller, G. S. 1912 B, 126 (O. obesus).
1924 C, 167.
Quackenbush, L. S. 1909 A, 92, 125, 127 (O. sp. indet.).
Sclater, P. L. 1897 A, 350 (Trichechus obesus).
Stejneger, L. 1919 A, 145.
1928 A, 157.
Trouessart, E. L. 1904 A, 282 (Trichechus obesus).
Weber and Abel 1928 A, 351 (O. obesus).

Recent; coast of northeastern Asia and northern coast of Alaska: Pleistocene; Nome, Alaska; St. Paul Island, in Behring Strait.

Odobenus rosmarus (Linnæus).

Unless otherwise indicated the authors cited use the genus name *Trichechus*.

Hay, O. P. 1902 A, 784 (Odobenus).
Abbott, C. C. 1881 A, 483 ("walrus").
Abel, O. 1902 B, 515.
Anonymous 1912 B, 269.
Arldt, T. 1907 D, 265.
Beddard, F. E. 1900 A, 320 ("walrus").
Berry and Gregory 1906 A, 445, figs. 2, 4 (Odobænus).
Boyd, C. H. 1882 A, 234 ("walrus").
Bradley, O. C. 1903 B, 50-52 ("walrus").
Brandt and Woldrich 1887 A, 57.
Clapp, F. G. 1908 A, 522 (Rosmarus obesus).
Cleland, J. 1903 A, 647 ("walrus").
Cuvier, G. 1825 A, IV, 280 (Trichechus); V, 2, 521, pl. xxxiii ("morse").
Dall, W. H. 1894 A, 297 (Rosmarus sp. This species?).
Dana, J. D. 1863 A, 3 ("walrus").
Elliot, D. G. 1901 A, 358, pl. xli.
Eudes-Deslongchamps, E. 1836 A, 134.
Fischer, J. B. 1829 A, 243.
Gervais, P. 1852 A, 140.
1859 A, 275.
Gray, J. E. 1844 A, 3.
Hasse, G. 1910 A, 298.
Hay, O. P. 1916 B, 330 ("walrus").
1919 D, 364 ("walrus").
1923 A, 492 (Odobenus).
1927 C, 282 ("walruses").
Huard, V. A. 1908 A, 51 (Odobænus).
Kellogg, R. 1922 A, 50.
Lankester, E. R. 1880 A, 144.
Leche, W. 1887 A, 603 (Rosmarus arcticus).
Lewis, H. C. 1881 A, 544 ("walrus").
1883 B, 366, 374 ("walrus").
Lockington, W. N. 1884 A, 468, fig. 219.
Lull, R. S. 1917 A, 477.
Lyell, C. 1845 B, I, 258, pl. v, fig. 1.
Matschie, P. 1901 A, 308.
Matthew, W. D. 1912 G, 269.
Miller, G. S. 1912 B, 126 (Odobenus).
Moreau, L. J. 1900 A, 112 (Odobænus rosmarinus).
Newberry, J. S. 1871 C, 316 ("walrus").
Newton, E. T. 1882 A, 27.
Nilsson, S. 1841 A, 322.
Owen, R. 1845 B, 510, pl. cxxxii, fig. 8.
1868 A, 912.
Packard, A. S. 1867 A, 243, 246, 268 (Odobenus).
1868 B, 268 ("walrus").
Palacký, J. 1902 C, 252.
Pander and Alton 1826 A, 10, pls. i, ii.
Pohl, L. 1911 A, 150, pl. vii, fig. 38.
Provancher, l'abbé 1869 A, 19.
Rutten, L. 1907 A, 807 ("walrus").
1907 B, 2.
Sclater, P. L. 1897 A, 350.
Sokolowsky, A. 1908 A, 241.
1909 A, 636 ("walrosse").
Stejneger, L. 1928 A, 157.
Stone, G. H. 1899 A, 54, 287 ("walrus").
Van Beneden, P. J. 1871 A, 67.
1877 A, 71.
Weber, M. 1904 A, 549, 550, fig. 408.
Weber and Abel 1928 A, 344, 350, figs. 210, 214.
Wichmann, C. E. A. 1907 A, 802.
Winge, H. 1904 A, 237.
Wright, G. F. 1905 A, 18 ("walrus").
1911 A, 282 ("walrus").
1911 C, 42 ("walrus").

Recent; Arctic regions to Labrador: Pleistocene; Labrador, Nova Scotia, Massachusetts, New Jersey, North Carolina, South Carolina.

Odobenus virginianus (De Kay).

Hay, O. P. 1902 A, 784.
Kellogg, R. 1922 A, 50, 104, tab. i (Odobenotherium).
Rhoads, S. N. 1903 A, 233 (Rosmarus).
Toula 1897 A, 50, 55 (Trichechus).

Pleistocene; Virginia.

Odobenus sp. indet.

McAdams, W. 1883 A, lxxx ("walrus." Alton, Ill. Certainly something else).

PHOCIDÆ Gray.

Gray, J. E. 1825 A, 340.
Hay, O. P. 1902 A, 784.
Abel, O. 1912 F, 124 ("phociden").
1913 B, 718 ("phociden").
1914 A, 81 ("phociden").
Allen, J. A. 1902 C, 459.
Arldt, T. 1907 D, 673.
1912 A, 702.
Ash, F. H. 1908 A, 79 ("seals").
Bateson, W. 1892 A, 105.
Beddard, F. E. 1902 A, 452.
Bolk, L. 1913 A, 103 ("phociden").
Bonaparte, C. L. 1832 A, 287.
Branca, W. 1915 A, 50.
Carus, V. 1875 A, 134 (Phocina).
Cleland, J. 1903 A, 646 ("seals").
Condon, T. 1906 A, 13.
Cuvier, F. 1824 A, 174 ("phoques").
1825 A, 113 ("phoques").
Cuvier, G. 1825 A, v, pt. 1, 198-234.
Dependorf, T. 1907 C, 108 ("phociden").
Doran, A. H. G. 1878 A, 402.
Du Bus, B. 1867 A, 565 ("phoques").
Duvernoy, Y. L. 1822 A, 49 ("phoques").
Elliot, D. G. 1901 A, 359.
Fawcett, E. 1918 B, pls. i-xi ("seals").
Fraas, E. 1905 B, 277.
Gervais, P. 1852 A, 137, 199 ("phoques").
1859 A, 269 ("phocides").
Gill, T. 1871 C, 683.
Gray, J. E. 1821 A, 302 (Phocadæ).
1869 E, 342.
Gregory, W. K. 1920 A, 158.
Hennicke, C. 1902 A, 158, 163.
Hoernes, R. 1886 A, 697.
Hogben, L. T. 1919 A, 74.
Howell, A. B. 1927 A.
Kampfen, P. N. 1905 A, 537.
Kellogg, R. 1922 A, 66, 85.
1925 B, 72 ("phocids").
Leche, W. 1887 A.
1902 A, 45.
Leunis and Ludwig 1883 A, 204 (Phocina).
Lobley, J. L. 1908 A, 200, 204.
Lockington, W. N. 1884 A, 474.
Lull, R. S. 1917 B, 331.
Martins, C. 1857 A, 69 ("phoques").
1872 A, 307 ("phoques").
Matthew, W. D. 1915 A, 224.
1928 B, 974, fig. 13 ("seals").
Meckel, J. F. 1825 A ("phoken").
Miller, G. S. 1912 B, 122.
1924 C, 163.
Nilsson, S. 1841 A, 301 ("phoken").
Osborn, H. F. 1910 B, 317, 321, 533.
Osburn, R. C. 1903 A, 656.
Owen, R. 1868 A, 900.
Pander and Alton 1826 A, 3 ("robben").
Perrier, E. 1920 A, 152 ("phoques").
Pohl, L. 1911 A, 151 ("phociden").
Rehs, J. 1914 A, 64.
Reynolds, S. H. 1897 A, 369, 480, 497.
Ryder, J. 1887 B, 446.
Scharff, R. F. 1911 A, 280 ("seals").
Schlosser, M. 1897 B, 18 ("phociden").
Schmidt, O. 1886 A, 287 ("seals").
Sclater, P. L. 1897 A, 351.
Scott, W. B. 1917 A, 32 ("seals").
Stromer, E. 1902 B, 555 ("phociden").
1903 B, 37.
Thompson, D. W. 1889 A, 226 ("phocides").
Trouessart, E. L. 1904 A, 282.
True, F. W. 1905 C, 794 ("seals").
1906 A, 837.
Turner, H. N. 1820 A, 260 ("seals").
Van Beneden, P. J. 1871 A, 61 ("phoques").
1877 A, 23 (Phocina).
Vicq-d'Azyr, F. 1922 A, cvi (Phocini).
Wallace, A. R. 1876 A, I, 140; II, 203.
1894 A, 435.
Wallisch, W. 1906 A, 308.
Weber, M. 1904 A, 550.
Weber and Abel 1928 A, 351.
Winge, H. 1896 A, 126, 128.
1924 A, 178, 192, 205, 209, 212, 244.
Wortman, J. L. 1894 A, 159.
Zittel and Schlosser 1911 A, 400.
1923 A, 481, 482.

CYSTOPHORINÆ Gill.

Gill, T. 1866 A, 4, 9.
Allen, J. A. 1870 A, 31.
Flower and Lydekker 1891 A, 605.
Gill, T. 1872 B, 7, 70.
Kellogg, R. 1922 A, 89.
1927 C, 28.
Weber and Abel 1928 A, 352.

CYSTOPHORA Nilsson. Type *C. borealis* Nilsson = *Phoca cristata* Erxleben.

Hay, O. P. 1902 A, 785.
Arldt, T. 1907 D, 81.
Beddard, F. E. 1902 A, 453.
Bronn, H. G. 1849 A, 719.
Carlson, A. 1921 A, 72.
Carus, V. 1875 A, 134.
Eimer, G. H. T. 1901 A, 100.
Elliot, D. G. 1901 A, 360.
Flower, W. H. 1883 D, 444.
Gervais, P. 1852 A, 139 (Stemmatopus).
1859 A, 270 (Stemmatopus).
Giebel, C. G. 1855 A, 82, pl. xxxvi, figs. 8, 13.
1883 A, pl. xxxvi.
Gray, J. E. 1844 A, 4.
Gray, J. E. 1869 E, 346.
Heilprin, A. 1887 A, 392.
Hensel, R. 1879 A, 533.
Jacobi, A. 1921 A, 202.
Kampfen, P. N. 1905 A, 539, fig. 56.
Kellogg, R. 1922 A, 84.
Leche, W. 1900 A, 1022.
Leunis and Ludwig 1883 A, 204.
Leydig, F. 1859 A, 719.
Miller, G. S. 1912 B, 125.
1924 C, 166.
Nilson, S. 1841 A, 323.
Owen, R. 1845 B, 505.
Palmer, T. S. 1904 A, 213, 835.

Sclater, P. L. 1897 A, 351.
Terra, P. 1911 A, 292, fig. 116.
Trouessart, E. L. 1904 A, 282.
Van Beneden, P. J. 1871 A, 67.
Wallace, A. R. 1876 A, II, 204.
Weber and Abel 1928 A, 352
Wilder, B. 1872 B, 319.
Winge, H. 1895 B, 76, 92.
1896 A, 128.
1924 A, 178, 209, 244.

Cystophora cristata (Erxleben).

Hay, O. P. 1902 A, 785.
Bateson, W. 1892 A, 106.
Bishop, S. C. 1921 A, 170 (This species?).
Bradley, O. C. 1903 B, 50-52 ("hooded seal").
Cleland, J. 1903 A, 646 (Stemmatopus).
Cuvier, F. 1824 A, 197, pl. xii (Phoca).
Dall, W. H. 1894 A, 297 (C. sp. This species?).
Dollo, L. 1885 D, 624.
Doran, A. H. G. 1878 A, 402, pl. lix.
Elliot, D. G. 1901 A, 360, pl. xlv.
Flower, W. H. 1892 A, 144.
Gervais, P. 1852 A, 139, pl. xlii (Phoca, Stemmatopus).
Gervais, P. 1859 A, 270, pl. xlii (Stemmatopus).
Giebel, C. G. 1848 A, 224 [Phoca (Cystophora) proboscidea].
Gray, J. E. 1844 A, 4.
Hartnagel and Bishop 1921 A, 82.
Hay, O. P. 1923 A, 26.
Jacobi, A. 1921 A, 206, fig. 4.
Kellogg, R. 1922 A, 71, tab. i (C. proboscidea).
Lockington, W. N. 1884 A, 477, fig. 222.
Lyell, C. 1845 B, 257 ("seal").
Meckel, J. F. 1825 A (Phoca).
Miller, G. S. 1912 B, 125.
1924 C, 166.
Nilson, S. 1841 A, 326.
Owen, R. 1845 B, 505, pl. cxxxii, fig. 7 (C. proboscidea).
1868 A, 876.
Pictet, F. J. 1853 A, 233 (Phoca proboscidea).
Van Beneden, P. J. 1871 A, 63.
1877 A, 12, 17 (Cystophora); 33 (Phoca proboscidea).

Recent; western coast of North Atlantic: Pleistocene (Late); New York.

LOBODONTINÆ.

Allen, J. A. 1870 A, 31 (Stenorhynchidæ).
Gill, T. 1872 B, 7, 69 (Stenorhynchinæ).
Kellogg, R. 1922 A, 69 (Lobodoninæ).
Weber and Abel 1928 A, 352 (Lobodoninæ).

LOBODON Gray. Type *Phoca carcinophaga* Homb., Jacq.

Hay, O. P. 1902 A, 785.
Broman, I. 1920 A, 304, 16 pls.; 5 text-figs.
Doran, A. H. G. 1878 A, 403, pl. lix.
Gill, T. 1871 C, 676 (Stenorhinchus).
Gray, J. E. 1844 A, 2, 5 (Lobodon); 6 (Stenorhynchus).
1869 E, 345 (Lobodon, Stenorhynchus).
Kellogg, R. 1922 A, 84, 115.
Lebouca, H. 1904 B, 5, figs. 2, 4, 5.
Owen, R. 1845 B, 506, pl. cxxxii, fig. 4 (Stenorhynchus).
1868 A, 909 (Stenorhynchus).
Winge, H. 1924 A, 178, 211, 244.

Lobodon vetus Leidy.

Hay, O. P. 1902 A, 785.
Gray, J. E. 1866 A, 10 (Stenorhynchus).
Kellogg, R. 1922 A, 67, 115 (Lobodon); 68 (Stenorhynchus).
Palacký, J. 1902 C, 251 (Stenorhynchus).
Rhoads, S. N. 1903 A, 233 (Ogmorhinus).
Toula, F. 1897 A, 50 (Stenorhynchus).
Van Beneden, P. J. 1877 A, 28.

Upper Cretaceous (Greensand marl); New Jersey.

PHOCINÆ Gill.

Gill, T. 1866 A, 5, 8.
Allen, J. A. 1870 A, 31.
Flower and Lydekker 1891 A, 600.
Gill, T. 1872 B, 7, 69.
Kellogg, R. 1922 A, 81, 84.
Weber and Abel 1928 A, 351.

LEPTOPHOCA True. Type *L. lenis* True.

True, F. W. 1906 A, 836.

Leptophoca lenis True.

True, F. W. 1906 A, 836, pl. lxxv, figs. 2-4; pl. lxxvi, figs. 1-3.
Kellogg, R. 1922 A, 71, 81, 123, tab. i.

Upper Miocene (Calvert); Maryland.

PHOCA Linnæus. Type *P. vitulina* Linnæus.

Hay, O. P. 1902 A, 785.
Abel, O. 1909 D, (225).
1912 F, 692.
1921 A, 234.
Adloff, P. 1903 A, 367.
Ahrens, H. 1912 B, 49.
Allen, J. A. 1902 C, 461.
Anderson, R. J. 1900 A, 790 ("seal").
Anderson, R. J. 1902 A, 119, fig. 5.
1902 B, 369, fig. 5.
1909 A, 745.
Arldt, T. 1907 D, 673.
Beddard, F. E. 1902 A, 452.
Bolk, L. 1913 A, 102.
Bonsdorff, E. J. 1871 A, 318.
Broman, I. 1920 A, 307, pl. xli; 4 text-figs.

Bronn, H. G. 1848 B, 959.
1849 A, 719.
Carlson, A. 1921 A, 72.
Carus, V. 1875 A, 135.
Cleland, J. 1863 B, 298 ("seal").
1903 A, 647.
Cuvier, F. 1825 A, 117.
Cuvier, G. 1805 A.
Dawson, J. W. 1857 A, 414.
Dependorf, T. 1898 A, 384.
1907 C, 109.
Duvernoy, G. L. 1822 A, 49.
Eggeling, H. 1904 A, 97, fig. 39.
Eimer, G. H. T. 1901 A, 26, 156.
Elliot, D. S. 1901 A, 361.
Fischer, J. B. 1829 A, 229.
Gervais, P. 1852 A, 137.
1859 A, 271 (Calocephalus).
Giebel, C. G. 1855 A, 81, pl. xxxvi, figs. 10, 11, 14.
1878 C, 853.
1883 A, pls. xxxvi, lxxxii, xcii.
Gottlieb, H. 1914 A, 189.
Gray, J. E. 1844 A, 3.
1869 E, 345 (Phoca, Pagophilus, Callocephalus).
Hanke, H. 1914 A, 520.
Hasse and Schwarck 1870 A, 107.
Heilprin, A. 1887 A, 392, 393.
Hensel, R. 1879 A.
Hoernes, R. 1912 A, 661.
Hrdlička, A. 1903 A, 381.
Huxley, T. H. 1863 F, 609.
Kampfen, P. N. 1905 A, 537, fig. 55.
Kellogg, R. 1922 A, 84, 93.
Klein, E. E. 1868 A, 81.
Köstlin, O. 1844 A.
Leboucq, H. 1904 A, 122.
Leche, W. 1887 A, pls. xciv, xcvi.
1900 A, 991, 1021, figs. 90, 91.
1912 A, 73.
Le Damany, P. 1906 B, 164 ("phoques").
Leunis and Ludwig 1883 A, 205.
Lockington, W. N. 1884 A, 474.
Lucae, J. P. 1872 A, 285, 371.
1875 A.
Mackie, S. J. 1863 D, 347.
Matthew, W. D. 1915 A, 224.
Meckel, J. F. 1825 A.
Miller, G. S. 1912 B, 122.
1924 C, 163.
Nilsson, S. 1841 A, 301, 309.
Osborn, H. F. 1907 G, 144, fig. 103.
Owen, R. 1845 B, 505, pl. cxxxii, figs. 1, 2.
1868 A, 899.
Palmer, T. S. 1904 A, 532, 835.
Pander and Alton 1826 A, 3 ("phoken").
Paulli, S. 1900 B, 505.
Pohl, L. 1911 A, 151.
Retzius, A. 1837 A, 491.
Ryder, J. 1887 B, 445.
Scharff, R. F. 1911 A, 280.
Schlosser, M. 1897 B, 19.
1898 D, 123.
Sclater, P. L. 1897 A, 351.
Steenstrup and Sundevall 1860 A, 272.
Sterling, S. 1910 A, 179.
Strecker, C. 1887 A, 318.
Stromer, E. 1908 A, 86.
Taschenberg, O. 1899 A, 4656.
Thompson, A. 1902 A, 104 ("seal").
Tornier, G. 1891 A, 160.
Trouessart, E. L. 1904 A, 285.
Veith, A. 1912 A, 19.
Wagner, R. 1843 A.
Weber, M. 1904 A, 550.
Weber and Abel 1928 A, 343, 351, 353.
Weber and Burlet 1927 A, figs. 46, 106, 199.
Wilder, B. 1868 A, 423, pl. xi, fig. 4.
1872 B, 319.
Winge, H. 1924 A, 178, 209, 244.
Woodward, M. F. 1894 B, 446.
Zittel and Schlosser 1911 A, 401.
1923 A, 481.
Zukowsky, L. 1922 B, 189.

Phoca grœnlandica Erxleben.

Erxleben, J. C. P. 1777, Syst. Regni Anim., I, 588.
Hay, O. P. 1902 A, 785.
Allen, J. A. 1902 C, 475.
Ami, H. M. 1897 A, 24 (Pagophilus).
Bateson, W. 1892 A, 108, fig. 2.
Beddard, F. E. 1902 A, 453.
Bell, R. 1897 A, 136 A.
Billings, E. 1856 A, 345 ("seal").
Burlet, H. M. 1917 A, 381.
Cleland, J. 1903 A, 647 (P. greenlandica).
Coleman, A. P. 1901 C, 224 (P. greenlandica).
Cuvier, F. 1824 A, 186, pl. xii (P. grœndlendica).
Dawson, J. W. 1857 A, 405, 414.
1863 F, 920.
1872 B, 403.
1872 C, 99.
1894 C, 267, fig. P. (Pagophilias).
Doran, A. H. G. 1878 A, 401, pls. lix, lx.
Elliot, D. G. 1901 A, 364.
Fischer, J. B. 1829 A, 238, 576.
Giebel, C. G. 1855 A, 81.
Hasse and Schwarck 1870 A, 107.
Hay, O. P. 1923 A, 493.
1927 D, 279.
Hrdlička, A. 1903 A, 381.
Jackson, C. T. 1844 A, 94 ("seal." This species?).
Kellogg, R. 1922 A, 78, 83, 123, tab. i (Pagophoca, near "grœndlandica").
Lambe, L. M. 1904 C, 31, 39, 52.
1912 A, 14.
Leboucq, H. 1889 A, 573.
Leche, W. 1893 B, 129, figs. 5-12.
Leunis and Ludwig 1883 A, 205.
Leydig, F. 1859 A, 719.
Lockington, W. N. 1884 A, 476, fig. 221.
Matthew, G. F. 1879 A, 23.
Meckel, J. F. 1825 A.
Miller, G. S. 1924 C, 165.
Murie, J. 1870 B, 604, pl. xxxii.
Nilsson, S. 1841 A, 314.
Owen, R. 1845 B, 507.
1866 B, 489, fig. 335.
1868 A, 900.
Packard, A. S. 1867 A, 261 ("seal").
Palacký, J. 1902 C, 253.
Pander and Alton 1826 A, 3, pl. iii.

Retzius, A. 1849 A, 636.
Schmidt, O. 1886 A, 289, fig. 51.
Selwyn, A. R. C. 1887 A, 46 ("harp seal").
Stansfield, J. 1915 A, 67 (P. greenlandica).
Stromer, E. 1902 B, 555.
Taylor, F. B. 1908 A, 652 ("seal").
Trouessart, E. L. 1904 A, 287 (Pagophoca).
True, F. W. 1906 A, 836; pl. lxxv, fig. 1.
Turner, W. 1870 A, 263 (Pagophilus).
Van Beneden, P. J. 1871 A, 63.
1877 A, 9, 13, 20, 33 (Pagophilus).
Weber and Abel 1928 A, 352.
Winge, H. 1904 A, 239.
Zittel and Schlosser 1911 A, 401, fig. 569.
1923 A, 481.

Recent; circumpolar, south to Newfoundland and Sitka?: Pleistocene (Leda clay); Quebec, Ontario.

Phoca hispida Schreber.

Schreber, J. C. D. 1775, Säugethiere, III, 312, pl. lxxxvi.
Allen, J. A. 1902 C, 477.
Cleland, J. 1903 A, 647.
Cuvier, F. 1824 A, 189, pl. xii.
Doran, A. H. G. 1878 A, 404, pls. lix, lx.
Elliot, D. G. 1901 A, 364.
Fielden, H. W. 1877 A, 488.
Fielden and De Rance 1878 A, 566.
Fischer, J. B. 1829 A, 239, 577.
Hay, O. P. 1923 A, 493.
Kellogg, R. 1922 A, 121 ("P. near hispida").
Lönnberg, E. 1922 A, 169, figs. 1-6.
Miller, G. S. 1912 B, 123.
1924 C, 164.
Pander and Alton 1826 A, 3, pl. iii.
Turner, W. 1870 A, 263, figs. 1, 2.
Van Beneden, P. J. 1877 A, 14, 18 (Pagomys).
Zukowsky, L. 1922 B, 183, 2 figs. (Pusa).

Recent; Arctic Ocean south to Labrador: Pleistocene or early Recent; Grinnell Land, North Greenland.

Phoca? modesta Leidy.

Hay, O. P. 1902 A, 589 (Squalodon).
Kellogg, R. 1922 A, 128 (Squalodon).
1923 A, 3 (Squalodon); 26 (Phoca?).
Toula, F. 1897 A, 53 (Squalodon).
Trouessart, E. L. 1897 A, 388 (Squalodon).
Van Beneden, P. J. 1877 A, 28.

Edisto marl or Upper Miocene; South Carolina.

Phoca vitulina Linnæus.

Linnæus, C. 1758 A, 38.
Abel, O. 1921 A, 234, fig. 84.
Allen, J. A. 1870 A, 25.
1880 A, 559, figs. 43-48.
1902 C, 467, figs. 1-4.
Ami, H. M. 1897 A, 23, 24 (This species?).
1901 C, 54 (This species?).
Barrett-Hamilton, G. E. H. 1897 A, 267.
Broom, R. 1916 A, 459.
Burlet, H. M. 1917 A, 381.
Cleland, J. 1903 A, 647.
Coleman, A. P. 1901 B, 131 ("seal").
Cuvier, F. 1824 A, 182, pl. xii.
Cuvier, G. 1825 A, IV, 278; V, pt. 1, 200.
Doran, A. H. G. 1878 A, 404, pls. lix.
Duvernoy, G. L. 1822 A, 49, 165.
Elliott, D. G. 1901 A, 363, pl. xlix.
Fischer, J. B. 1829 A, 236.
Frey, H. 1911 A, 415.
Gervais, P. 1852 A, 140 (Calocephalus).
1859 A, 271 (Calocephalus).
Giebel, C. G. 1855 A, 81, pl. xxxvi, fig. 3.
Gray, J. E. 1869 E, 343, 345 (Callocephalus).
Hay, O. P. 1923 A, 493.
Hennicke, C. 1902 A, 158.
Huxley, T. H. 1863 F, 609, 633, fig. 57.
Kellogg, R. 1922 A, 83, 117, tab. i.
1925 B, 77, 78.
Leunis and Ludwig 1883 A, 205.
Leydig, F. 1859 A, 679.
Lockington, W. N. 1884 A, 474.
Lucae, J. P. 1872 A, 277, pls.
1875 A, 373, pls. i-x.
Miller, G. S. 1912 B, 123.
1924 C, 164 (P. v. concolor).
Newton, E. T. 1882 A, 29, pl. v, figs. 1, 2. (This species?).
1891 A, 19 (This species?).
Nilsson, S. 1841 A, 310.
Pander and Alton 1826 A, 3, pl. iv.
Ryder, J. 1887 B, 444.
Taylor, F. B. 1908 A, 652 ("seal").
Toldt, C. 1905 A, 321, figs.
Toula, F. 1897 A, 50.
Trouessart, E. L. 1904 A, 286.
Turner, W. 1870 A, 261.
Van Beneden, P. J. 1871 A, 62.
Weber, M. 1886 A.
Weber and Abel 1928 A, 343, 347, 352, figs. 209, 211.
Zukowsky, L. 1922 B, 186.

Recent; Arctic seas, ascending rivers; south to North Carolina and southern California, also in European waters: Pleistocene (Champlain); Quebec, near Ottawa.

Phoca wymani Leidy.

Hay, O. P. 1902 A, 785.
Clark and Miller 1912 A, 167, 168.
Kellogg, R. 1922 A, 74, 120, tab. i.
True, F. W. 1912 C, 185, 186.

Upper Miocene (Calvert); Maryland.

Phoca sp. indet.

Hay, O. P. 1927 D, 166. Pleistocene; California.
Kellogg, R. 1922 A, 45, 120 (P. sp. a). Upper Miocene (Santa Margarita sands); California.
1922 A, 45, 121 (P. sp. b). Pleistocene (San Pedro); California.
1927 C, 35 ("phocid?". This genus?). Middle Miocene (Temblor); California.
Miller, L. H. 1912 A, 115 ("seals"). Pleistocene (San Pedro); California.

ERIGNATHUS Gill. Type *Phoca barbata* Erxleben.

Gill, T. 1866 A, 5.
Kellogg, R. 1922 A, 84.
Miller, G. S. 1912 B, 124.
1924 C, 165.
Trouessart, E. L. 1905 A, 285 (Subg. of Phoca).
Weber and Abel 1928 A, 352.
Winge, H. 1924 A, 178, 209, 244.

Erignathus barbatus (Fabricius).

Fabricius, O. 1776, Müller's Zool. Dan. Prod., VIII (Phoca, *fide* Elliot).
Blainville, H. M. D. 1864 A, II, 42 (Phoca).
Burlet, H. M. 1917 A, 381 (Phoca).
Cleland, J. 1903 A, 647 (Phoca).
Doran, A. H. G. 1878 A, 405, pl. lx (Phoca).
Elliot, D. G. 1901 A, 382, pl. xlvi (Phoca).
Erxleben, J. C. P. 1877, Syst. Regni Anim., I, 590 (*fide* G. S. Miller).
Fielden, H. W. 1877 A, 488 (Phoca).
Fischer, J. B. 1829 A, 239, 577 (Phoca).
Gray, J. E. 1844 A, 3 (Phoca).
Hay, O. P. 1923 A, 493 (Phoca).
Kellogg, R. 1922 A, 80, 116.
Lockington, W. N. 1884 A, 476.
Miller, G. S. 1912 B, 124.
1924 C, 165.
Newton, E. T. 1891 A, 19 (Phoca, Erignathus).
Roger, O. 1896 A, 74.
Toula, F. 1897 A, 54 (Phoca).
Trouessart, E. L. 1904 A, 285 (Phoca, Erignathus).
Turner, W. 1870 A, 267 (Phoca).
Van Beneden, P. J. 1877 A, 10, 13, 20 (Phoca).
Weber and Abel 1928 A, 347, fig. 213 (Phoca).
Zierler, F. E. 1905 A, 510 (Phoca).

Recent; Arctic seas: Pleistocene; Grinnell Land.

Order CETE Linnæus.

The author is indebted to Dr. Remington Kellogg for the systematic arrangement of the Cete here adopted.

Hay, O. P. 1902 A, 585.
Abel, O. 1901 A, 7 ("cétacés").
1904 A, 183 ("cetaceen").
1905 B, 203, 206 ("cétacés").
1905 C, 375 ("cetaceen").
1905 E, 95 ("cetaceen").
1907 A, 226, 235 ("cetaceen").
1907 C, (80) ("cetaceen").
1907 G, 2, 32 ("wale").
1908 B, 139 ("cetaceen").
1910 B, (186) ("cetaceen").
1912 D, 600 ("wale").
1912 F, 178, 197 ("cetaceen"); 522 ("walen"); 665.
1913 B, 712, 719 ("cetaceen").
1913 C, 155-224.
1914 A, 57 ("cetaceen"); 81 ("wale").
1914 C, 390 ("cetacean").
1919 A, 748 (Cetacea).
1920 A, 424 (Cetacea).
1921 A, 217, 299 ("walen").
Adloff, P. 1901 C, 425 ("wale").
1903 A, 366.
1913 C, 8 ("cetaceen").
1917 B, 349 ("wale").
1920 A, 179, 188 ("cetaceen").
Agassiz, L. 1836 B, 24 ("cétacés").
1844 C, 255 ("cétacés").
Ahlborn, F. 1896 B, 7 ("wale").
Allen, G. M. 1916 A, 110 ("whales").
1921 B, 240 (Cetacea).
Allen, J. A. 1882 A, 399.
1913 B, 454 (Cetacea).
Ameghino, F. 1906 E, 240 ("cétacés").
Anderson, R. J. 1912 D, 253.
1914 A, 533 (Cetacea).
Anthony, R. 1912 A, ("cétacés").
1913 A, 248 ("cétacés").
Arldt, T. 1907 D, 644 (Cetacea).
Ash, F. H. 1908 A, 78 (Cetacea).
Augustin, W. 1913 A, 533 ("cetaceen").
Baer, K. E. 1836 A, 409 ("cétacés").
Baraldi, G. 1877 A, 3, 44 ("cetacei").
Bardeleben, K. 1885 B, 85 (Cetacea).
Bardenfleth, K. S. 1913 A, 69 (Cetacea).
Bateson, W. 1892 A, 103 (Cetacea).
Bayer, F. 1897 A, 147 (Cetacea).
Beddard, F. E. 1900 A.
1902 A, 339 (Cetacea).
Bertelli, D. 1909 A, 158 (Cetacei).
Beyer, H. 1908 A, 81, 99 ("cetaceen").
Black, N. 1900 A, 14 (Cetacea).
Bluntschli, H. 1912 B, 378 ("cetaceen").
1913 B, 195 ("cetaceen").
Boas, J. E. V. 1914 B, 577, 584 ("cetaceen").
Bolk, L. 1922 A, 126 (Cetaceæ).
1922 B, 56 (Cetacea).
Bonaparte, C. L. 1832 A, 293.
Bouvier, L. E. 1889 A, 232 ("cétacés").
1889 B, 302 ("cétacés").
Brandt, J. F. 1865 A, 1 (Cetacea).
Braun, M. 1906 B, 131 ("wale").
1908 A, 400 ("cetaceen").
Braus, H. 1906 A, 175 ("cetaceen").
Broom, R. 1897 B, 252 (Cetacea).
1899 A, 762 (Cetacea).
1915 A, 162 (Cetacea).
Burlet, H. M. 1916 A, 1 ("wale").
1917 A, 373 ("cetaceen").
Burmeister, H. 1879 B, 530 (Bipinnata).
Carruccio, A. 1913 B, 178 (Cetacei).
Carus, V. 1875 A, 163 (Natantia).
Carus and Engelmann 1861 A, 1292, 1720 (Cetacea).
Case, E. C. 1898 C, 829 (Cetacea).
1904 D, 3 (Cetacea).
Clark and Sonntag 1926 A, 459 (Cetacea).
Cleland, J. 1863 B, 302 (Cetacea).
Cope, E. D. 1885 BB, 71 (Cetacea).
1891 N, 67, 69 (Cetacea).
Cuvier, F. 1836 A, I, 1 ("cétacés").
Cuvier, G. 1805 A, ("cétacés").
Dana, J. D. 1863 A, 1 ("cetaceans").
1863 C, 333 ("cetaceans").
Dart, R. A. 1923 A, 615 (Cetacea).
Deinse, A. B. 1916 B, 521 ("cetaceen").
Denker, A. 1902 A, 421 (Cetacea).

Dependorf, T. 1907 A, 561 ("wale").
1907 C, 101 ("cetacean").
Dollo, L. 1884 D, 89 ("cétacés").
1884 E, 81 ("cétacés").
1899 A, 203 ("cétacés").
1901 A, 13.
1905 A, 127 ("cétacés").
1907 D, 159 ("cétacés").
1922 A, 216 ("cétacés").
Doran, A. H. G. 1878 A, 371, 450 (Cetacea).
Eastman, C. R. 1907 C, 79.
Eggeling, H. 1904 A, 98 (Cetacea).
Eimer, G. H. T. 1901 A, 257 ("cetaceen").
Elliot, D. G. 1901 A, 7 (Cetacea).
Eschricht, D. F. 1849 A ("wallthiere").
Fischer, J. B. 1829 A, 501.
Fleischmann, A. 1904 A, 483 (Cetacea).
Flower, W. H. 1870 A, 244 (Cetacea).
Fraas, E. 1904 A, 24 ("cetaceen").
1905 A, lxiii ("waltiere").
1905 B, 380 (Cetacea).
Frassetto, F. 1903 A, 244 (Cetacea).
1915 A, (Cetacea).
Freund, L. 1904 A, 387 ("waltiere").
1906 A, 116 ("cetaceen").
Fuchs, H. L. 1914 A, 28 ("wale").
Gadow, H. 1896 A, 48 (Cetacea).
1914 A, 503 ("cetaceans").
Gaupp, C. 1908 B, 525 (Cetacea).
1913 A, 125 ("cetaceen").
Gegenbaur, C. 1880 A, 592 ("cetacen").
Gervais, P. 1852 A, 146 ("cétacés").
1853 B, 35 ("cétacés").
1859 A, 283 ("cétacés").
Gessner, I. 1921 A, 271 ("cetaceen").
Giebel, C. G. 1855 A, 82 (Cetacea).
1878 C, 853 ("cetaceen").
1883 A, ("cetaceen").
Goodsir, J. 1857 A (Cetacea).
1857 B ("cetaceans").
Gottlieb, H. 1914 A, 189 (Cetacea).
Gray, J. E. 1821 A, 309 (Cetaceæ).
1825 B, 340 (Cetæ).
1846 A, 15.
1863 A, 198.
1870 A, 193 (Cetacea).
1870 B, 387 (Cetacea).
Gregory, W. K. 1910 A, 515 (Cetacea).
1917 D, 624, 635 (Cetacea).
1920 A, 158, 243 (Cetacea).
Guérin, R. 1874 A, 1-145 ("cétacés").
Guldberg, G. 1894 A, 94 ("cetaceen").
1903 A, 803 ("walthiere").
Haeckel, E. 1868 A, 478.
1873 A, 544 (Cetacea).
Hasse and Schwarck 1870 A, 143 (Cetaceæ).
Hay, O. P. 1923 A, 482 ("cetaceans").
Heilprin, A. 1887 A, 341 (Cetacea).
Hennicke, C. 1902 A, 159 (Cetacea).
Hepburn, D. 1901 A, 680 (Cetacea).
Hilzheimer, M. 1913 A, 570 (Cetacea).
Hoernes, R. 1886 A, 698 (Cetacea).
Hogben, L. T. 1919 A, 76 (Cetacea).
Hollard, H. 1864 C, 362 ("cétacés").
Houssay, F. 1910 A, 12 ("cétacés").
Howes, G. B. 1894 A, 78 (Cetacea).
1903 A, 326 (Cetacea).
Howes and Harrison 1893 A, 798 (Cetacea).
Hubrecht, A. A. W. 1908 A, 153 (Cetacea).
Humphry, G. M. 1876 A, 665 ("cetaceans").
Huxley, T. H. 1863 E, 555 (Cetacea).
1863 F, 579, 607, 633 (Cetacea).
1870 F, 528, 531 (Cetacea).
Ihde, —— 1912 A, 265 ("cetacean").
Jaekel, O. 1901 B, 52 ("wale").
1904 A, 33 ("cetaceen").
1908 B, 464 ("cetaceen").
1911 A, 230 (Cetacei).
Kampfen, P. N. 1905 A, 636.
Kellogg, R. 1924 C, 756 (Cetacea).
1925 D, 1-8.
1926 B, 405 ("whales").
1928 A, 30 (Cetacea).
Kingsley, J. S. 1925 A, 211, 296 (Cetacea).
Klein, E. E. 1868 A ("cetaceen").
Knox, R. 1831 A, 400 (Cetacea).
Köstlin, O. 1844 A ("cetaceen").
Koken, E. 1893 B, 487, 489, 506 ("walfische").
Kükenthal, W. 1891 C, 384 ("wale").
1894 B, 69 ("wale").
1897 B, 145 ("cetacean").
1897 C, 182 ("cetacean").
1900 A, 179 ("wale").
1908 A, 609 ("wale").
1908 C, 241 ("wale").
1909 A, 545 ("wale").
1913 A, 681 (Cetacea).
1914 B, 1 ("wale").
Kunze, A. 1912 A, 578 ("wale").
Lataste, F. 1887 A, 268 ("cétacés").
Lavocat, A. 1885 A, 29, 46 ("cétacés").
Leboucq, H. 1889 A, 585 ("cétacés").
1904 B, 15 ("cétacés").
Leche, W. 1887 A (Cetacea).
1900 A, 1026 (Cetacea).
Le Damany, P. 1903 D, 356 ("cétacés").
1903 G, 318 ("cétacés").
Ledouble, A. F. 1903 A, 647 ("cétacés").
Leunis and Ludwig 1883 A, 274 (Natantia).
Leydig, F. 1859 A, 679, 681 ("cetaceen").
Lillie, D. G. 1910 A, 769 (Cetacea).
Lockington, W. N. 1884 A, 178-209 (Cetacea).
Lönnberg, E. 1910 B, 219 ("hvalar").
1911 C, 13.
1911 D, 1-15.
1924 A, 1 ("whales").
Lucas, F. A. 1904 D, 102 ("whales").
Lull, R. S. 1910 D, 153 (Cetacea).
1917 B, 322 (Cetacea).
Lydekker, R. 1887 B, 7.
1901 B, 652 ("whales").
1903 D, 124 ("whales").
1909 D (Cetacea).
1910 F, 655 (Cetacea).
McIntosh, — 1911 A, 82 ("cetaceans").
Major, C. J. F. 1899 B, 64 (Cetacea).
Mantell, G. A. 1844 A, 823 (Cetacea).
Martins, C. 1872 A, 307 ("cétacés").
Matthes, E. 1912 A, 594 ("wale").
1921 C ("wale").
Matthew, W. D. 1912 A, 156 (Cetacea).
Mead, C. S. 1906 A, 481 (Cetacea).
Meckel, J. F. 1825 A ("cetaceen").
Menmuir, W. H. 1902 A, 274 (Cetacea).
Miller, G. S. 1923 A, 1-70 (Cetacea).
1924 C, 504 (Cetacea).

Mitchell, P. C. 1905 A, 467.
Mivart, St. G. 1871 B, 376, 380 (Cetacea).
Moodie, R. L. 1908 D, 462 (Cetacea).
1913 A, 185 (Cetacea).
Nopcsa, F. 1923 B, 357 ("wale").
1923 H, 161, 163 ("wale").
Osborn, H. F. 1905 N, 242 ("cetaceans").
1907 G, 37, 101, 190 (Cetacea).
1910 B, 78, 317 (Cetacea).
1917 B, 322 ("whales").
Osburn, R. C. 1903 A, 653 (Cetacea).
1906 A, 448 (Cetacea).
Owen, R. 1845 E, 120 (Cetacea).
1857 E (Cetacea).
1858 A, 26 (Cetacea).
1868 A, 871 (Cetacea).
1870 D, 1 (Cetacea).
Palacký, J. 1902 C, 255 ("cetaceen").
Pander and Alton 1827 A, 1 ("cetaceen").
Parker and Haswell 1897 A, 450, 471, 499 (Cetacea).
Perrier, E. 1920 A, 152 ("cétacés").
Pictet, F. J. 1853 A, 380 ("cétacés").
Pompeckj, J. F. 1925 A, 10 ("wale").
Puccioni, N. 1908 A, 42 (Cetacei).
Pütter, A. 1923 A, 224 ("wale").
Rabl, C. 1903 A, 155 ("cetaceen").
Reche, O. 1905 B, 150 ("wale").
Rehs, J. 1914 A, 2, 41 (Cetacea).
Retzius, A. 1849 A, 670 (Cetacea).
Reynolds, S. H. 1897 A, 353, 444, 452, 513, 536 (Cetacea).
Römer, F. 1904 A, 77 ("wale").
Röse, C. 1892 F, 402 ("wale").
1892 G, 145 ("wale").
Rutland, J. 1901 A, 21032.
Ryder, J. 1885 G, 1013 (Cetacea).
1887 A, 346 (Cetacea).
1887 B.
Sabatier, A. 1897 B, 933 ("cétacés").
1902 A, 100 ("cétacés").
Schlosser, M. 1899 I, 353 ("cetaceen").
1900 C, 133 ("cetaceen").
Schmidt, O. 1886 A, 246 (Cetacea).
Sclater, P. L. 1875 A, 209 (Cetacea).
Scott, W. B. 1913 A, 60, 123, 125, 442 (Cetacea).
1917 A, 67, 69, 78 (Cetacea).
Seeley, H. G. 1872 A, 275 ("cetaceans").
1876 C, 156 ("whales").
Serres, M. 1852 A, 122, 144 ("cétacés").
Smith, G. E. 1903 A, 326 (Cetacea).
1903 B, 46 (Cetacea).
Steinmann, G. 1907 A, 468 (Cetacea).
1908 A, 234 ("wale").
1909 A, 83 ("cetacean").
1912 A, 45 ("wale").
Steinmann, G. 1912 B, 718 ("cetaceen").
Sterling, S. 1910 A, 179 ("wielorybów").
1910 B, 231 ("wielorybów").
Stromer, E. 1902 B, 555 ("cetaceen").
1908 B, 157 (Cetacea).
1912 A, 184, 244 (Cetacea).
1915 A, 131 (Cetacea).
Symington, J. 1905 A, 100 (Cetacea).
Taschenberg, O. 1899 A, 4427 (Cetacea).
Terra, P. 1911 A, 341 (Cetacea).
Thacker, A. G. 1914 A, 283 ("whales").
Thomas, O. 1888 A, 458 (Cetacea).
Thompson, D. W. 1889 A, 225 ("cétacés").
Tims, H. W. 1905 B, 1785 (Cetacea).
Tredgold, A. F. 1897 A, 295 (Cetacea).
Trouessart, E. L. 1905 A, 753.
Troxell, E. L. 1925 D, 613 ("cetaceans").
True, F. W. 1908 B, 385.
1912 C, 197 (Cetacea).
1912 E, 779 ("cetaceans").
Turner, W. 1871 A, 348 (Cetacea).
Van Bambeke, C. 1868 A, 20 ("cétacés").
Van Bemmelen, J. F. 1914 A, 524 (Cetacea).
1918 A, 575 (Cetacea).
1928 A, 288 ("cétacés").
Van Beneden, P. J. 1836 A, 158 ("cétacés").
1836 B, 318 ("cétacés").
1871 A, 61 ("cétacés").
Vaughan, T. W. 1924 A, 688 (Cetacea).
Vicq-d'Azyr, F. 1792 A, lxxvi ("cétacés").
Wagner, R. 1843 A, 12 (Cetacea).
Wallace, A. R. 1876 A, I, 112, 119, 130, 140 (Cetacea); II, 207 (Cetacea).
Watson, D. M. S. 1913 D, 27 ("whales").
Weber, M. 1886 A (Cetacea).
1904 A, 552 (Cetacea).
Weber and Abel 1928 A, 354, 388 (Cetacea).
Weber and Burlet 1927 A (Cetacea).
Wilder, B. 1872 B (Cetacea).
1875 A, 105 ("cetaceans").
Williston, S. W. 1902 F, 263 ("cetaceans").
1912 E, 261 (Cetacea).
1914 A, 62 (Cetacea).
1925 A, 199 (Cetacea).
Winge, H. 1919 A (Cetacea).
Winge and Miller 1921 A (Cetacea).
Woodward, A. S. 1898 E, 330 (Cetacea).
1909 A, 330 (Cetacea).
1910 B, 470 (Cetacea).
Woodward, H. 1904 B, 154.
Wyman, J. 1867 B, 259, 261, 269 (Cetacea).
Zaaijer, T. 1894 A, 339.
Zittel, K. A. 1877 A, 237 ("cetaceen").
Zittel and Schlosser 1911 A, 401 (Cetacea).
1923 A, 483.

Suborder Zeuglodontes Gill.

Unless otherwise indicated the writers, as cited, use for this suborder the name Archæoceti.

Gill, T. 1871 A, 269 (Zeuglodontes).
Hay, O. P. 1902 A, 585 (Zeuglodontes).
Abel, O. 1901 A, 30 ("zeuglodontes").
1901 B, 315 ("zeuglodontes").
1905 A, 22 ("archéocètes").
1905 C, 375 ("archäoceten").
1905 E, 95 ("archäoceten").
Abel, O. 1912 F, 467, 660.
1913 B, 719.
1913 C, 182, 199, 211, 219.
1914 A, 81.
1914 D, 30.
1919 A, 749.
1920 A, 424.
Ameghino, F. 1889 A, 1027 (Zeuglodonta).
1906 E, 237 ("zeuglodontes").

Andrews, C. W. 1906 A, xxiii ("zeuglodonts").
1907 C, 304 ("zeuglodonts").
1908 B, 209.
1908 C ("zeuglodonts").
Arldt, T. 1907 D, 144.
Beddard, F. E. 1900 A, 106, 308.
1902 A, 384.
Bluntschli, H. 1912 B, 398 ("zeuglodontiden").
Boas, J. E. V. 1914 B, 584 ("zeuglodonten").
Carus, V. 1875 A, 168 (Zeuglodontia).
Case, E. C. 1904 D, 4.
Cope, E. D. 1891 N, 69.
Fraas, E. 1904 A, 3 ("zeuglodonten").
1905 A, lxiii ("zeuglodonten").
1905 B, 361, 383.
Gervais, P. 1852 A, 199 ("zeuglodontes").
1871 B, 80 ("zeuglodontes").
Gregory, W. K. 1910 A, 411, 416-419 (Zeuglodontes).
1920 A, 243.
Hoernes, R. 1886 A, 69 (Zeuglodontia).
Howes, G. B. 1903 A, 322.
Jaekel, O. 1911 A, 203.
Kellogg, R. 1926 B, 406 ("zeuglodonts").
1928 A, 29, 36.
Lydekker, R. 1892 C, 560 ("zeuglodonts").
1907 E, 679 ("zeuglodonts").
1910 F, 655 ("zeuglodonts").
McIntosh, — 1911 A, 93 ("zeuglodonts").
Matthew, W. D. 1909 D, 315.
Miller, G. S. 1923 A, 12, 13, 40, 42.
Nopcsa, F. 1923 B, 354 ("zeuglodonten").
Osborn, H. F. 1902 E, 356, fig. 1.
1906 B, 56 (Zeuglodontia).
1907 H, 613 (Zeuglodontia).
1910 B, 73, 559 (Zeuglodontia).
Osborn, H. F. 1917 B, 241.
1925 B, 18.
Parker and Haswell 1897 A, 450.
Peterson, O. A. 1912 B, 164 ("zeuglodonten").
Pompeckj, J. F. 1922 A, 78.
Reynolds, S. H. 1897 A, 356, 426, 461.
Ryder, J. 1887 B, 430 (Phocodontia, Zeuglodontia).
Schmidt, O. 1886 A, 251 (Zouglodonta).
Smith, G. E. 1903 A, 322.
1903 B, 41.
Steinmann, G. 1908 A, 249.
1912 B, 727.
Stromer, R. 1903 B, 39.
1903 D, 91 ("zeuglodonten").
1908 A, 81.
1908 B, 106, 148.
1912 A, 187.
1915 A, 134.
1916 A, 413.
1921 A, 41, 55.
Thompson, D. W. 1889 A, 225 (Zeuglodontes).
Trouessart, E. L. 1903 A, 306 (Zeuglodontes).
1905 A, 753 (Zeuglodonta).
True, F. W. 1908 B, 386.
1912 D, 197 (Zeuglodontia).
Weber, M. 1904 A, 581, 583.
Weber and Abel 1928 A, 396.
Winge, H. 1919 A, 68.
Winge and Miller 1921 A, 10.
Woodward, A. S. 1898 B, 270.
1909 A, 330 ("zeuglodonts").
1910 B, 470 ("zeuglodonts").
Zittel and Schlosser 1911 A, 405.
1923 A, 487.

DORUDONTIDÆ Miller.

Miller, G. S. 1923 A, 13, 40.

Kellogg, R. 1928 A, 32.

DORUDON Gibbes. Type *D. serratus* Gibbes.

Hay, O. P. 1902 A, 587.
Abel, O. 1913 C, 205.
Fraas, E. 1905 B, 385 (Doruodon).
Kellogg, R. 1928 A, 32.
Lucas, F. A. 1901 C, 619.
Palmer, T. S. 1904 A, 244, 791.
Stromer, E. 1908 B, 148.
Winge and Miller 1921 A, 62 (Doryodon).
Zittel and Schlosser 1923 A, 488 (Syn. of Basilosaurus).

Dorudon serratus Gibbes.

Hay, O. P. 1902 A, 587.
Abel, O. 1913 C, 204.
Allen, G. M. 1926 A, 459.
Kellogg, R. 1924 C, 758.
Lydekker, R. 1892 C, 559 (Zeuglodon hydrarchus).
Mannigault, G. E. 1887 A, 187.
Trouessart, E. L. 1905 A, 754.
True, F. W. 1908 C, 65, pls. i-iii; 2 text-figs.
Tuomey, M. 1848 A, 156 ("Zeuglodon"); 166 (Zeuglodon).
1850 B, 156 ("Zeuglodon").
Upper Eocene (Cooper marl); South Carolina.

ZYGORHIZA True. Type *Zeuglodon brachyspondylus minor* Stromer.

True, F. W. 1908 C, 78.
Kellogg, R. 1928 A, 32.
Winge and Miller 1921 A, 62.

Zygorhiza minor (Stromer).

Stromer, E. 1903 D, 85 (Zeuglodon brachyspondylus minor).

Kellogg, R. 1928 A, 40, 41.
Müller, J. 1849 A, 28, 31, 32, pl. viii, fig. 3; pl. xix, figs. 1-5; pl. xxvi; pl. xxvii, fig. 1 ("kleineres individuum").
True, F. W. 1908 C, 78 (Zeuglodon brachyspondylus minor).
Upper Eocene (Jackson); Alabama.

BASILOSAURIDÆ Cope.

Cope, E. D. 1867 C, 144.
Unless otherwise indicated the writers, as cited, use for this family the name Zeuglodontidæ.
Hay, O. P. 1902 A, 586 (Basilosauridæ).
Abel, O. 1907 G, 19, fig. 13 (Prozeuglodon).
1913 B, 719.
1913 C, 219.
1919 A, 751.
Ameghino, F. 1889 A, 1027.
Andrews, C. W. 1906 A, 234.
1907 A, 125.
Arldt, T. 1907 D, 689.
1912 A, 702, 703.
Beddard, F. E. 1902 A, 384.
Brandt, J. F. 1873 A, 334 (Stegorhinidæ).
Burmeister, H. 1879 B, 531.
Dart, R. A. 1923 A, 615, 635.
Giebel, C. G. 1855, Säugethiere, 148.
Kampfen, P. N. 1905 A, 652.
Kellogg, R. 1928 A, 32, 206 ("zeuglodonts").
Lönnberg, E. 1911 A, 67.
Lydekker, R. 1909 D, 43.
Miller, G. S. 1923 A, 13, 40.
Osburn, R. C. 1903 A, 652.
Palacký, J. 1902 B, 140 ("zeuglodontiden").
Palmer, J. S. 1904 A, 729, 791 (Basilosauridæ); 776, 791 (Zeuglodontidæ).
Reche, O. 1905 B, 184.
Stromer, E. 1903 B, 36 ("zeuglodonten").
1908 A, 86.
1908 B, 148.
1915 A, 136 (Zeuglodontidæ, Zeuglodontinæ).
Terra, P. 1911 A, 344.
Trouessart, E. L. 1905 A, 753.
Van Beneden, P. J. 1880 A, 30 ("zeuglodons").
Wallace, A. R. 1876 A, II, 210.
Weber, M. 1904 A, 581.
Wiman, C. 1905 A, 248 ("zeuglodonten").
Winge, H. 1919 A, 68, 69, 73, 103, 117.
Winge and Miller 1921 A, 10, 11, 15, 45.
Zigno, A. de 1876 A, 32 (Zeuglodonti).
Zittel and Schlosser 1911 A, 405.
1923 A, 487, 670.

BASILOSAURUS Harlan. Type *Zeuglodon cetoides* Owen.

Unless otherwise indicated the writers, as cited, use for this genus the name *Zeuglodon*.
Hay, O. P. 1902 A, 586 (Basilosaurus).
Abel, O. 1901 A, 8.
1901 B, 297.
1902 B, 518, pl., fig. 1.
1905 A, 23.
1905 B, 203.
1905 C, 384.
1905 E, 84.
1906 B, 458 (*Alabamornis*, type *A. gigantea* Abel).
1907 C, (80).
1907 G, 20, fig. 14.
1908 A, 486, fig. 14.
1912 F, 477, fig. 390.
1912 G, 70.
1913 B, 719, fig. 22.
1913 C, 161, 178, 202, fig. 14, pl. ix.
1914 A, 84, figs. 46, 47.
1914 C, 390.
1919 A, 750, figs. 558, 559.
1920 A, 424, fig. 643.
Andrews, C. W. 1904 A, 214.
1906 A, xxiii, 236.
1907 A, 124.
1907 C, 304.
1908 B, 209.
1919 A, 310.
1923 A, 648, figs. 23, 24.
Arldt, T. 1907 D, 38.
Ash, F. H. 1908 A, 81 ("zeuglodons").
Beddard, F. E. 1900 A, 308, 320.
1902 A, 384.
Bronn, H. G. 1848 B, 1379.
1849 A, 702.
Capellini, G. 1881 A, 418.
Carus, C. G. 1847 A, 5 (Hydrarchus).
Dall, W. H. 1898 A, 342.
Dal Piaz, G. 1903 A, 219.
Dart, R. A. 1923 A, 616, figs. 1-21.
Fraas, E. 1904 A, 3.
1905 B, 383.
Geinitz, H. B. 1847 B, 1 (Basilosaurus, Hydrarchos, Zygodon).
Gervais, P. 1871 B (Zeuglodon); 83 (Basilosaurus).
Giebel, C. G. 1855 A, 80.
1883 A, 43.
Gregory, W. K. 1920 A, 158.
Hall, T. S. 1911 A, 257.
Heilprin, A. 1887 A, 344.
Hoernes, R. 1886 A, 698.
Holmes, F. S. 1870 A, 64 ("zeuglodon").
Howes, G. B. 1903 A, 323, figs. 1, 2.
Hutchinson, H. N. 1910 A, 297 (Basilosaurus).
Huxley, T. H. 1870 F, 531.
Jaekel, O. 1911 A, 231, fig. 256.
Kampfen, P. N. 1905 A, 652.
Kellogg, R. 1928 A, 32, 36 (Basilosaurus).
Kingsley, J. S. 1925 A, 213, fig. 226.
Koch, A. 1845 C, 2 (Hydrarghos).
1845 D, 10 (Hydrarchos).
Lankester, E. R. 1905 A, 76.
Leche, W. 1900 A, 1028.
Lönnberg, E. 1910 B, 243.
1911 A, 67 (Basilosaurus, Zeuglodon).
Lucas, F. A. 1901 C, 619 (Basilosaurus).
1904 B, 436.
1904 D, 102 (Basilosaurus).
1906 D, 317 (Alabamornis).
1908 A, 311 (Alabamornis).
1910 B, 278.
Lydekker, R. 1892 C, 559.
1903 D, 124.
1907 E, 679.
1914 A, 637.
McIntosh, — 1911 A, 100.
Mantell, G. A. 1844 A, 827 (Basilosaurus).
1848 C (Basilosaurus).
Matthew, W. D. 1912 A, 160.
Miller, G. S. 1923 A, 3.

Nopcsa, F. 1923 B, 357.
1926 A, 638.
Osborn, H. F. 1907 G, 16, 191, fig. 194.
1907 K, 819, 830.
1909 D, 20.
1910 B, 561, 635.
1917 B, 200, 241, 242.
Owen, R. 1868 A, 914.
Palmer, T. S. 1904 A, 133, 791 (Basilosaurus).
Paquier, A. 1894 A, 18 (Zeuglodon).
Perrier, E. 1920 A, 152, 229, 348 (Zeuglodon).
Pictet, F. J. 1853 A, 376 (Zeuglodon).
Pompeckj, J. F. 1922 A, 44-100.
1925 A, 13.
Reche, O. 1905 B, 185.
Reichenbach, H. G. L. 1847 A, 13 (Basilosaurus).
Reynolds, S. H. 1897 A, 559.
Ryder, J. 1887 B, 430.
Schlosser, M. 1899 I, 346.
Schmidt, O. 1886 A, 251.
Seeley, H. G. 1876 D, 428.
1878 A, 223.
Smith, G. E. 1903 A, 322, figs. 1, 2.
1903 B, 41, pls. i, ii; text-fig. 2.
Stromer, E. 1902 C, 345, fig.
1903 B, 36, fig.
1903 D, 66.
1906 A, 208.
1908 A, pl. i, fig. 1.
1908 B.
1915 A, 134, 135.
1923 A, 258.
Thompson, D. W. 1889 A, 226, figs. 1-7, 10.
Trouessart, E. L. 1905 A, 753.
True, F. W. 1908 B, 386.
1908 C, 67.
1912 D, 199.
1912 E, 779.
Wallace, A. R. 1876 A, II, 210.
Weber, M. 1886 A.
1904 A, 554, 555, 557, 581.
Weber and Abel 1928 A, 396, fig. 244.
Williston, S. W. 1902 L, 918 (Basilosaurus, Zeuglodon).
Wiman, C. 1905 A, 248.
Winge, H. 1919 A, 68, 72, 103.
Winge and Miller 1921 A, 10, 14, 56, 62, 81.
Woodward, A. S. 1898 D, 330.
1923 A, 33.
Woodward, H. 1904 B, 154.
Wyman, J. 1848 A, 152.
Zigno, A. de 1876 A, 17.
Zittel and Schlosser 1911 A, 406.
1923 A, 488, fig. 612.

Basilosaurus brachyspondylus (Müller).

Hay, O. P. 1902 A, 586.
Abel, O. 1901 A, 8 (Zeuglodon).
1913 C, 203, 204 (Zeuglodon).
Fraas, E. 1904 A, 19 (Zeuglodon).
1905 B, 385 (Zeuglodon).
Pompeckj, J. F. 1922 A, 45.
Seeley, H. G. 1876 D, 432.
Sellards, E. H. 1915 D, 33, 84.
1916 B, 81.
Stromer, E. 1908 B, 136, pl. v, fig. 27 (This species?).
Trouessart, E. L. 1905 A, 753.
Upper Eocene (Jackson); Alabama: (Ocala); Florida.

Basilosaurus cetoides (Owen).

Hay, O. P. 1902 A, 587.
Abel, O. 1901 A, 17, 24 (Zeuglodon).
1901 B, 303, pl. xxi; text-figs. 19-22 (Zeuglodon).
1906 B, 450 (Zeuglodon); 458, figs. 3, 4 (Alabamornis gigantea).
1913 C, 203, 204 (Zeuglodon).
Beddard, F. E. 1900 A, 311 (Zeuglodon).
Buckley, S. B. 1866 A, 44 ("Zeuglodon").
Carus, C. G. 1847 A, 5-8, pls. i-vii (Hydrarchus harlani).
Conrad, T. A. 1832 A, 35.
1842 A, 178 ("Zeuglodon or Basilosaurus").
Cope, E. D. 1891 N, 69, fig. 38 (Zeuglodon).
Dall and Harris 1892 A, 105 ("Zeuglodon?").
Fraas, E. 1904 A, 4 (B. macrospondylus); 8 (Zeuglodon cetoides).
Geinitz, H. B. 1847 B, 1 (Hydrarchos harlani).
Gidley, J. W. 1909 B, 519.
1913 A, 649, pls. lxxxi, lxxxii; text-figs. 1-3.
Günther, A. C. 1847 A, 9 (Hydrarchus).
Harris, G. D. 1899 A, 17, 19, 32, 92 ("Basilosaurus," Zeuglodon).
Hopkins, F. V. 1870 A, 10 ("Zeuglodon"); 99 (Z. macrospondylus).
Kellogg, R. 1924 C, 758 (Zeuglodon).
1928 A, 40.
Koch, A. 1845 C, 2 (Hydrargos sillimanii).
1845 D, 1 (Hydrargos harlani).
Lambrecht, K. 1921 A, 43 (Alabamornis gigantea).
Lapham, I. A. 1895 A, 653 ("zeuglodon").
Lönnberg, E. 1910 B, 243.
1911 A, 67.
Lucas, F. A. 1901 J, 58, 60, figs. 11, 12.
1906 D, 317 (Alabamornis gigantea).
1908 A, 311 (Alabamornis gigantea).
Lyell, C. 1855 A, I, 101 ("Zeuglodon"); II, 8, 75 (Zeuglodon).
Mantell, G. A. 1844 A, 826, fig. 152 (Zeuglodon).
Merrill, G. P. 1907 A, 24.
Osborn, H. F. 1910 B, 171, fig. 70 (Zeuglodon).
Palacký, J. 1902 C, 251 (Zeuglodon).
Reichenbach, H. G. L. 1847 A, 13 (B. cetoides, B. kochii).
Ruschenberger and Tryon 1879 A, 14 (Zeuglodon).
Schlosser, M. 1899 E, 166 (Zeuglodon).
Sellards, E. H. 1916 B, 81.
Shufeldt, R. W. 1889 D, 15, fig.
Smith, E. A. 1894 A, 626 (Zeuglodon).
Steinmann, G. 1908 A, 251, fig. 160 (Zeuglodon).
Stromer, E. 1908 B, 165 (Zeuglodon).
1915 A, 134 (Zeuglodon).
1921 A, 54, fig. 5 (Zeuglodon).
Trouessart, E. L. 1905 A, 753.
True, F. W. 1908 C, 67.
1912 D, 198 (Zeuglodon).
Underhill, B. M. 1910 A, 77 ("Zeuglodon").
Veatch, A. C. 1902 B, 131 ("Zeuglodon").
1902 C, 164.
1906 A, pl. xxi.

Weber and Abel 1928 A, 399, fig. 246 (Zeuglodon).

Winge and Miller 1921 A, 62 (Zeuglodon).
Upper Eocene (Jackson); Alabama, Louisiana: (Ocala); Florida.

PONTOBASILEUS Leidy. Type *P. tuberculatus* Leidy.

Hay, O. P. 1902 A, 588.
Palmer, T. S. 1904 A, 557, 791.
Stromer, E. 1903 D, 88.
Trouessart, E. L. 1905 A, 754.

Pontobasileus tuberculatus Leidy.

Hay, O. P. 1902 A, 588.
Eocene? or Miocene?; Alabama?.

Suborder MYSTICETE Flower.

Unless otherwise stated the following authors employed the name Mystacoceti.
Flower, W. H. 1864 A, 388 (Mysticete).
Hay, O. P. 1902 A, 598 (Mysticete).
Abel, O. 1902 B, 517 ("bartenwale").
1905 C, 375 ("bartenwale").
1912 F, 194, 470.
1913 B, 719, 721.
1913 C, 155 ("bartenwale"); 197 (Mystacoceti).
1914 A, 81, 89.
1914 C, 390 ("bartenwale").
1914 D, 30.
1920 A, 424.
Allen, G. M. 1916 A, 110.
Anderson, R. J. 1912 D, 253 (Mystococeti).
Andrews, C. W. 1908 B, 209.
Anthony, R. 1912 A ("mysticète").
Arldt, T. 1907 D, 82, 144.
Beddard, F. E. 1900 A, 317.
1902 A, 353.
Case, E. C. 1904 D, 33 (Mysticoceti).
Cope, E. D. 1891 N, 69 (Mysticeti).
Cuvier, G. 1825 A, v, pt. 1, 359-396, pls. xxv-xxvii ("baleines").
Fraas, E. 1905 B, 381.
Guérin, R. 1874 A, 63 ("mysticètes").
Guldberg, G. 1904 A, 371 ("bartenwale").
Hanke, H. 1914 A, 487 ("bartenwale").
Hepburn, D. 1901 A, 651.
Hoernes, R. 1886 A, 700 (Mysticete).
1912 A. 661.
Houssay, F. 1910 A, 17 ("mysticètes").
Howes, G. B. 1903 A, 329.
Jaekel, O. 1903 C, 40 ("bartenwale").
1908 B, 464 ("mystacoceten").
1911 A, 232.
Kellogg, R. 1924 A, 11.
1928 A, 29, 37, 181, 191 (Mysticeti).
Kükenthal, W. 1908 A, 611 ("bartenwale").
1908 C, 245 ("bartenwale").
1909 B, 8 ("bartenwale").
1914 B, 2 ("bartenwale").
1913 A, 682.
Kunze, A. 1912 A, 613 ("bartenwale").
Larger, R. 1913 A, 721 ("mysticètes").
Leunis and Ludwig 1883 A, 281.
Lillie, D. G. 1910 A, 781 (Mystacocete).
Lockington, W. N. 1884 A, 195 (Balænoidea).
Lönnberg, E. 1924 A, 1.
Lydekker, R. 1901 B, 653 ("whalebone whales").
1909 D, 11.
Miller, G. S. 1923 A, 14, 40 (Mysticeti).
Osborn, H. F. 1902 E, 365, fig. 1.
1907 H, 613 (Mysticete).
1925 B, 18.
Osburn, R. C. 1903 A, 653.
Parker and Haswell 1897 A, 451.
Reche, O. 1905 B, 150 (Mysticeta).
Rehs, J. 1914 A, 41.
Reynolds, S. H. 1897 A, 547 (Mystacoceti, Balænoidea).
Rogenhofer, A. 1908 A, (42) ("bartenwale").
Smith, G. E. 1903 A, 326.
1903 B, 46.
Steinmann, G. 1907 A, 468.
1908 A, 237, 240.
1912 B, 721.
Sterling, S. 1910 B, 231 (Mysticeti).
1910 C, 667 ("bartenwale").
Stromer, E. 1903 B, 37 (Mysticeti).
1908 B, 160 (Mysticeti).
1912 A, 185 (Mysticeti).
Terra, P. 1911 A, 344.
Thomas, O. 1888 A, 458 ("mystacocetes").
Van Beneden, P. J. 1880 A, 49 ("mysticètes").
1885 A, 10 ("mystacocètes").
Weber, M. 1886 A (Mystacocete).
1904 A, 574, 576, 583.
Weber and Abel 1928 A, 389, 390, 409.
Weber and Burlet 1927 A, xv.
Winge, H. 1919 A, 68, 73.
Winge and Miller 1921 A, 10, 16, 50.
Woodward, M. F. 1894 B, 443.
Ziegler, H. E. 1901 A, 237 ("bartenwale").
Zittel and Schlosser 1911 A, 409.
1923 A, 492.

CETOTHERIIDÆ Miller.

Miller, G. S. 1923 A, 21, 24, 40.

Kellogg, R. 1928 A, 35, 181, 185.

MESOCETUS Van Beneden. Type *M. longirostris* Van Beneden.

Hay, O. P. 1902 A, 600.
Cabrera, A. 1926 B, 369.
Kellogg, R. 1924 C, 763.
1925 D, 7.
Winge, H. 1910 A, 24.

Mesocetus siphunculus Cope.

Hay, O. P. 1902 A, 600.
Clark and Miller 1912 A, 167, 168.
Winge, H. 1910 A, 24.
Upper Miocene; Virginia.

SIPHONOCETUS Cope. Type *Balæna priscus* Leidy.

Hay, O. P. 1902 A, 599.
Case, E. C. 1904 D, 49.
Kellogg, R. 1928 A, 35.
Palmer, T. S. 1904 A. 633, 791.
Trouessart, E. L. 1905 A, 780.
True, F. W. 1912 A, 5.
1912 E, 780.
Winge, H. 1910 A, 25.

Siphonocetus clarkianus Cope.

Hay, O. P. 1902 A, 599.
Case, E. C. 1904 D, 47, pl. xxv, fig. 4.
Shattuck, G. B. 1904 A, xciv.
Upper Miocene (St. Mary's); Maryland.

Siphonocetus expansus Cope.

Hay, O. P. 1902 A, 599.
Case, E. C. 1904 D, 45, pl. xxv, fig. 3.
Clark and Miller 1912 A, 167, 168.
Shattuck, G. B. 1904 A, xciv.
Upper Miocene (St. Mary's?); Maryland.

Siphonocetus priscus (Leidy).

Hay, O. P. 1902 A, 599.
Case, E. C. 1904 D, 46, pl. xxv, fig. 5.
Clark and Miller 1912 A, 167, 168.
Dall and Harris 1892 A, 56 (Balæna).
Shattuck, G. B. 1904 A, xciv.
Van Beneden, P. J. 1880 A, 31 (Balaena).
Upper Miocene (St. Mary's); Virginia.

PARIETOBALÆNA Kellogg. Type *P. palmeri* Kellogg.

Kellogg, R. 1924 A, 1.
Cabrera, A. 1926 B, 370.
Kellogg, R. 1928 A, 35, 188.

Parietobalæna palmeri Kellogg.

Kellogg, R. 1924 A, 2, pls. i-iv.
1928 A, 188, fig. 18.
Upper Miocene (Calvert); Maryland.

PLESIOCETOPSIS Brandt. Type *P. hupschii* Van Beneden.

Brandt, J. F. 1873 A, 143-148.
Hay, O. P. 1902 A, 598 (Cetotherium, in part).
Abel, O. 1913 C, 178 (Plesiocetus).
Kellogg, R. 1925 B, 36, 51 (Plesiocetus).
1928 A, 35 (Plesiocetus).
Palmer, T. S. 1904 A, 548 (Plesiocetus, Plesiocetopsis).
Van Beneden, P. J. 1859 A, 139 (Plesiocetus).
Weber, M. 1904 A, 584 (Plesiocetus).

Plesiocetopsis megalophysum (Cope).

Andrews, R. C. 1914 A, 290 (Plesiocetus).
Hay, O. P. 1902 A, 599 (Cetotherium).
Case, E. C. 1904 D, 41, pl. xx, fig. 1 (Cetotherium).
Kellogg, R. 1925 B, 51 (Plesiocetus).
Shattuck, G. B. 1904 A, xciv (Cetotherium).
Winge, H. 1910 A, 28 (Cetotherium).
Upper Miocene (Calvert); Maryland.

Plesiocetopsis occidentalis Kellogg.

Kellogg, R. 1925 B, 50, figs. 7-10.
Upper Miocene; California.

CETOTHERIUM Brandt. Type *C. rathkii* Brandt.

Hay, O. P. 1902 A, 598.
Abel, O. 1913 C, 181, 213, pl. viii.
1914 A, 91, fig. 53.
1919 A, 761, fig. 570.
Arldt, T. 1907 D, 644.
Brandt, J. F. 1871 A, 563.
Cabrera, A. 1926 B, 369.
Case, E. C. 1904 D, 36.
Heilprin, A. 1887 A, 345.
Kellogg, R. 1924 A, 5, 12.
1924 C, 764 ("cetotheres").
1928 A, 35, 184, 187, 188, fig. 17.
Lönnberg, E. 1911 A, 80.
Lydekker, R. 1894 B, 124.
Miller, G. S. 1923 A, 5, 18, pl. viii, fig. 2.
Newton, E. T. 1891 A, 63.
Palmer, T. S. 1904 A, 175, 790.
Pictet, F. J. 1853 A, 388.
Strobel, P. 1875 A, 133.
Taschenberg, O. 1899 A, 4568 (Eschrichtius).
Trouessart, E. L. 1905 A, 779.
True, F. W. 1912 A, 5.
Van Beneden, P. J. 1880 A, 31 (Eschrichtius).
1885 A, 6.
1886 B, 281.
Weber and Abel 1928 A, 409.

Winge, H. 1910 A, 10.
Winge and Miller 1921 A, 22.
Zittel and Schlosser 1911 A, 410.
1923 A, 493.

Cetotherium cephalum Cope.

Hay, O. P. 1902 A, 599.
Case, E. C. 1904 D, 44; pl. xxi, fig. 1; pl. xxii, figs. 1, 2; pl. xxiii, fig. 1; pl. xxv, figs. 8, 13.
Cope, E. D. 1891 N, 64, fig. 37.
Ruschenberger and Tryon 1879 A, 92 (Eschrichtius cephalus).
Shattuck, G. B. 1904 A, xciv.
Upper Miocene (Calvert); Maryland.

Cetotherium davidsonii Cope.

Hay, O. P. 1902 A, 599.
1927 D, 194 (Eschrichtius).
Kellogg, R. 1922 A, 61 (Escrichtius davidsoni).
1922 D, 1 (Eschrichtius).
1925 B, 35, 41 (Eschrichitus).
Pleistocene; California.

Cetotherium furlongi Kellogg.

Kellogg, R. 1925 B, 38, figs. 1, 6.
1928 A, 188, fig. 18.
Middle Miocene (Temblor); California.

Cetotherium leptocentrum Cope.

Hay, O. P. 1902 A, 599.
Clark and Miller 1912 A, 167, 168.
Miocene; Virginia.

Cetotherium parvum Trouessart.

Hay, O. P. 1902 A, 599.
Case, E. C. 1904 D, 44, pl. xxv, fig. 1.
Shattuck, G. B. 1904 A, xciv.
Upper Miocene (St. Mary's?); Maryland.

METOPOCETUS Cope. Type *M. durinasus* Cope.

Hay, O. P. 1902 A, 598.
Cabrera, A. 1926 B, 369.
Case, E. C. 1904 D, 35, 36.
Kellogg, R. 1928 A, 35.
Schlosser, M. 1899 N, 147.
True, F. W. 1912 A, 5, 7.
1912 E, 780.
Winge, H. 1910 A, 27.

Metopocetus durinasus Cope.

Hay, O. P. 1902 A, 598.
Case, E. C. 1904 D, 36, pl. xviii, figs. 1, 2.
Kellogg, R. 1924 A, 8.
Schlosser, M. 1899 N, 147.
Shattuck, G. B. 1904 A, xciv.
Winge, H. 1910 A, 28.
Upper Miocene (Calvert); Maryland.

CEPHALOTROPIS Cope. Type *C. coronatus* Cope.

Hay, O. P. 1902 A, 598 (Cephalotropus).
Case, E. C. 1904 D, 36, 38.
Kellogg, R. 1928 A, 35.
Palmer, T. S. 1904 A, 170, 789.
True, F. W. 1912 A, 5, 7.
1912 E, 780.
Schlosser, M. 1899 N, 147.
Winge, H. 1910 A, 28.

Cephalotropis coronatus Cope.

Hay, O. P. 1902 A, 598 (Cephalotropus).
Case, E. C. 1904 D, 39, pl. xix, fig. 1.
Kellogg, R. 1928 A, 188.
Schlosser, M. 1899 N, 147.
Shattuck, G. B. 1904 A, xciv.
Winge, H. 1910 A, 28.
Upper Miocene (Chesapeake group); Maryland?

ULIAS Cope. Type *U. moratus* Cope.

Hay, O. P. 1902 A, 599.
Case, E. C. 1904 D, 49.
Kellogg, R. 1928 A, 35.
Palmer, T. S. 1904 A, 700, 791.
True, F. W. 1912 A, 5, 6.
1912 E, 780.
Winge, H. 1910 A, 26.

Ulias moratus Cope.

Hay, O. P. 1902 A, 599.
Case, E. C. 1904 D, 50, pl. xxiv, fig. 1; pl. xxv, fig. 6.
Shattuck, G. B. 1904 A, xciv.
Upper Miocene (Chesapeake); Maryland or Virginia.

TRETULIAS Cope. Type *T. buccatus* Cope.

Hay, O. P. 1902 A, 600.
Case, E. C. 1904 D, 52.
Kellogg, R. 1928 A, 35.
Palmer, T. S. 1904 A, 687, 791.
True, F. W. 1912 A, 5, 6.
1912 E, 780.
Winge, H. 1910 A, 27, 29.

Tretulias buccatus Cope.

Hay, O. P. 1902 A, 600.
Case, E. C. 1904 D, 53, pl. xxv, fig. 2.
Shattuck, G. B. 1904 A, xciv.
Winge, H. 1910 A, 29.
Miocene (Chesapeake); Maryland or Virginia.

RHEGNOPSIS Cope. Type *Balæna palæatlanticus* Leidy.

Hay, O. P. 1902 A, 600.
Kellogg, R. 1928 A, 35.
True, F. W. 1912 A, 7.
1912 E, 780.
Winge, H. 1910 A, 28.

Rhegnopsis palæatlanticus (Leidy).

Hay, O. P. 1902 A, 600.
Clark and Miller 1912 A, 167, 168.
Ruschenberger and Tryon 1879 A, 14.
Van Beneden, P. J. 1880 A, 31 (Balæna).
Miocene (St. Mary's); Virginia.

Superfamily BALÆNOIDÆ, new form.

Turner, W. 1870 B, 276 (Balænoidea).

Turner, W. 1871 A, 359 (Balænoidea).

BALÆNOPTERIDÆ Gray.

Abel, O. 1901 B, 311 ("balænopteriden").
1912 F, 662 ("balænopteriden").
1913 B, 722.
1913 C, 213.
1914 A, 91.
1919 A, 759.

Allen, G. M. 1916 A, 110.
Arldt, T. 1907 D, 641.
Beddard, F. E. 1900 A, 144, 313.
1902 A, 355.
Cabrera, A. 1926 A.
Carus, V. 1875 A, 172 (Balænopterida).

Kampfen, P. N. 1905 A, 649.
Kellogg, R. 1928 A, 35, 190.
Leunis and Ludwig 1883 A, 282.
Lockington, W. N. 1884 A, 195.
Miller, G. S. 1923 A, 22, 40.
1924 B, 9.
Reche, O. 1905 B, 153.
Rehs, J. 1914 A, 41.
Turner, W. 1871 A, 348.
Van Beneden, P. J. 1885 A, 10 ("balænoptères").
1888 A, 1-145 ("balénoptères").
Wallace, A. R. 1876 A, II, 207.
Weber, M. 1904 A, 575 (Balænopteridæ); 576 (Balæonopterinæ).
Weber and Abel 1928 A, 389 (table), 390, 391.
Zittel and Schlosser 1911 A, 409.
1923 A, 492.

BALÆNOPTERINÆ Flower.

Flower, W. H. 1867 A, 115.
Miller, G. S. 1923 A, 22, 40.
Trouessart, E. L. 1905 A, 779.
Van Beneden, P. J. 1882 A, 4.
Winge, H. 1919 A, 68, 77 (Balænopterini).
Winge and Miller 1921 A, 20, 22 (Balænopterini).

BALÆNOPTERA Lacépède. Type *B. acutorostrata* Lacépède.

Hay, O. P. 1902 A, 600.
Abel, O. 1901 B, 311.
1902 A, 183.
1902 B, 517.
1907 G, 33, fig. 26.
1908 A, 474, fig. 1.
1908 B, 148, 170.
1909 A, 248.
1909 D, 224.
1912 F, 194, 458, 662, fig. 346.
1913 C, 162, 178, 212.
1919 A, 756.
1921 A, 299, fig. 115.
1923 B, 271.
Ahrens, H. 1912 B, 49.
Allen, G. M. 1916 A, 110.
Anderson, J. 1879 A, 551, pl. xliv; text-fig. 21-28.
Andrews, R. C. 1916 A, pls. xxix-xlii; text-figs. 1-38.
Anthony, R. 1912 A ("rorqual").
Augustine, W. 1913 A, 537.
Beddard, F. E. 1900 A, 145, 312, figs. 2, 10, 17, 18, 20, 22.
1901 A, 93.
1902 A, 355.
1919 A, 131.
Bertelli, D. 1909 A, 158.
Boas, J. E. V. 1914 A, 380.
Bonsdorff, E. J. 1871 A, 318.
Bouvier, L. E. 1889 A, 232.
Braun, M. 1908 A, 407.
Bronn, H. G. 1848 A, 145.
1849 A, 701.
Burlet, H. M. 1914 A, 119.
1916 A, 1, figs. 1, 2.
1917 A, 376, figs. 2-16.
Cabrera, A. 1926 B.
Cuvier, G. 1825 A, v, pt. 1, 370-387, pl. xxvi, figs. 1-6 ("rorqual").
Doran, A. H. G. 1878 A, 453, pl. lxii.
Elliot, D. G. 1901 A, 11.
Eschricht, D. F. 1849 A, 7, pls. (Ogmobalæna).
Giebel, C. G. 1883 A, pls. xxxix, xl.
Gray, J. E. 1846 A, 18, 48, pl. ii.
1863 A, 199.
1870 A, 195.
Gregory, W. K. 1920 A, 160.
Guérin, R. 1874 A, 64.
Guldberg, G. 1904 A, 380, 391.
Hanke, H. 1914 A, 488.
Hepburn, D. 1901 A, 681.
Howes, G. B. 1894 A, 79.
Kampfen, P. N. 1905 A, 648.
Kellogg, R. 1928 A, 35, 43, 190, figs. 2, 20.
Klaauw, C. J. 1924 B, 600.
Köstlin, O. 1844 A.
Kükenthal, W. 1891 C, 380.
1900 A, 211, figs. 3-6.
1908 A, 611.
1914 B, 63.
1922 A, 59.
Kunze, A. 1912 A, 619.
Leboucq, H. 1889 A, 574.
Leche, W. 1887 A.
1900 A, 1027, fig. 110.
Le Damany, P. 1906 A, 64 ("baleinoptère").
Leunis and Ludwig 1883 A, 283.
Lillie, D. G. 1910 A, 775, 783, fig. 71.
Lockington, W. N. 1884 A, 200.
Lönnberg, E. 1910 B, 231.
1911 A, 40.
1911 D, 7, figs. 6, 7.
1924 A, 1.
Lydekker, R. 1887 B, 11.
1909 D, 21, figs. 4, 6, 7.
M'Intosh, — 1917 A, 39.
Matthes, E. 1921 C.
Miller, G. S. 1923 A, 5, 19, 22, pl. i, fig. 2; pl. iii, fig. 3; pl. iv, fig. 3; pl. vi, fig. 3; pl. viii, figs. 4-6.
1924 C, 505.
Newton, E. T. 1886 B, 320.
Osborn, H. F. 1917 B, 234, fig.
Osburn, R. C. 1906 A, pl. ix, figs. 33, 34.
Owen, R. 1866 B, 426, figs. 288, 289.
1868 A, 866.
Palacký, J. 1902 C, 262.
Palmer, T. S. 1904 A, 132, 789.
Perrin, J. B. 1870 A, 805.
Pompeckj, J. F. 1910 A, 134.
1922 A, 49-100.
Pouchet and Chabry 1884 A, 182.
Pütter, A. 1923 A, 223.
Reche, O. 1905 B, 153, 204, 241, figs. 5-8, 28-30.
Rehs, J. 1914 A, 41.
Reynolds, S. H. 1897 A, 533, fig. 87.
Ridewood, W. G. 1922 A, 209, figs. 12-16.
Rosenthal, F. C. 1832 A, 127 (Balæna).
Ryder, J. 1887 B, 462, 481, pl. iii.
Schulte, H. W. 1916 A, pls. xliii-lvii.
Sclater, P. L. 1897 A, 352.
Seeley, H. G. 1881 A, 790, figs. 1-3.

Steinmann, G. 1909 A, 82, figs. 14, 17.
Sterling, S. 1910 A, 190, fig. 6.
1910 B, 231.
1910 C, 669.
Stromer, E. 1908 B, 163.
1915 A, 133.
Struthers, J. 1894 A, 684.
Taschenberg, O. 1899 A, 4472.
Trouessart, E. L. 1903 A, 306.
1905 A, 782.
True, F. W. 1904 A, 320.
1912 A, 3.
Turner, W. 1870 B, 271, figs. 1-4.
1871 A, 349.
1871 B, 361.
1882 B, 471.
Van Bambeke, C. 1868 A, 55, figs. (Pterobalæna).
Van Beneden, P. J. 1836 A, 159 ("rorqual").
1836 B, 318 ("rorqual").
1880 A, 42.
1888 A, 5.
Weber, M. 1886 A.
1904 A, 573, 575, 576.
Weber and Abel 1928 A, 367, 372, 391, figs. 229, 230, 380, 381.
Weber and Burlet 1927 A, 143.
Wilder, B. 1872 B, 316.
Winge, H. 1919 A, 68.
Winge and Miller 1921 A, 10, 45, 73, 74.
Ziegler, H. E. 1901 A, 238, fig. 3.

Balænoptera polyporum (Cope).

Hay, O. P. 1902 A, 599 (Cetotherium).
Miocene; North Carolina.

Balænoptera ryani Hanna and McLellan.

Hanna and McLellan 1924 A, 237, pls. v-ix.
Kellogg, R. 1925 B, 71.
1928 A, 190.
Miocene (Monterey); California.

Balænoptera sursiplana Cope.

Hay, O. P. 1902 A, 600.
Allen, G. M. 1916 A, 282, pl. xv (This species?).
Case, E. C. 1904 D, 54, pl. xxiv, fig. 2.
Shattuck, G. B. 1904 A, xciv.
Miocene (Chesapeake); Maryland or Virginia, Massachusetts.

Balænoptera sp. indet.

Hay, O. P. 1923 A, 19, 159. Pleistocene; Quebec, Florida.
Sellards, E. H. 1916 B, 105 (This genus?).
Pleistocene; Daytona, Florida.

MEGAPTERA Gray. Type *M. nodosa* Bonaterre.

Gray, J. E. 1846 B, 83.
Hay, O. P. 1902 A, 600.
Abel, O. 1907 G, 4, fig. 3.
1908 A, 475, fig. 3.
1908 B, 167.
1912 F, 684.
1913 C, 162, 178.
Allen, G. M. 1916 A, 110.
Augustin, W. 1913 A, 566.
Beddard, F. E. 1900 A, 161, 317, fig. 10.
1902 A, 356.
1919 A, 131, 139.
Braun, M. 1908 A, 400.
Cuvier, F. 1836 A, 303 (Rorqualus).
Doran, A. H. G. 1878 A, 455, pl. lxii.
Elliott, D. G. 1901 A, 9.
Eschricht, D. F. 1849 A, 56, 146 (Kyphobalæna).
1869 A, 8, pls. iii, iv.
Gray, J. E. 1846 A, 16.
1863 A, 199.
1870 A, 195.
1870 B, 391.
Guérin, R. 1874 A, 63.
Guldberg, G. 1904 A, 371.
Heilprin, A. 1887 A, 341.
Honigmann, H. 1915 A, 113, figs. 1-3.
Kellogg, R. 1922 D, 2.
1924 A, 8.
1928 A, 35, 190, 191.
Kükenthal, W. 1914 B, 2.
Kunze, A. 1912 A, 613, figs. P-T.
Leche, W. 1887 A.
Leunis and Ludwig 1883 A, 282.
Lockington, W. N. 1884 A, 196.
Lönnberg, E. 1910 B, 232.
1911 A, 40.
Lydekker, R. 1887 B, 11.
Lydekker, R. 1909 D, 12.
Matthes, E. 1921 C, 245.
Miller, G. S. 1923 A, 19.
1924 B, 9.
Newton, E. T. 1886 B, 320.
Osburn, R. C. 1906 A, 455.
Palacký, J. 1902 C, 262.
Palmer, T. S. 1904 A, 406, 790.
Ridewood, W. G. 1922 A, 209.
Ryder, J. 1887 B.
Sclater, P. L. 1897 A, 352.
Struthers, J. 1894 A, 684.
1895 A, 153.
Trouessart, E. L. 1905 A, 785.
True, F. W. 1904 A, 327.
Turner, W. 1871 A, 352.
1880 A, 30.
Van Beneden, P. J. 1882 A, 26.
1888 A, 12.
Weber, M. 1886 A.
1904 A, 575, 576.
Weber and Abel 1928 A, 389 (table), 391.
Weber and Burlet 1927 A, 243.
Wilder, B. 1875 A, 107.
Winge, H. 1919 A, 68.
Winge and Miller 1921 A, 10, 21, 45, 74.

Megaptera brachychira "Cope."

Ruschenberger and Tryon 1879 A, 14 (No description).
Cetacean bones said to have come from the Miocene of Maryland.

Megaptera miocæna Kellogg.

Kellogg, R. 1922 D, 3, pls. i-iv; text-figs. 1, 3, 5-10.
1924 A, 9.

Kellogg, R. 1925 B, 72, foot-note.
1928 A, 190.
Upper Miocene (Lompoc); California.

Megaptera mysticetoides (Emmons).

Hay, O. P. 1902 A, 599 (Cetotherium).
Miocene; North Carolina.

Megaptera nodosa (Bonnaterre).

Bonnaterre, J. 1789, Tableau Encyclop. Cétol., 5 (Balæna).
Hay, O. P. 1902 A, 600 (M. boöps; not of Linnæus, *fide* True).
Abel, O. 1908 B, 167, figs. 38-41 (M. boöps).
1912 F, 179, fig. 124 (M. boöps).
Allen, G. M. 1916 A, 288, pl. xi, fig. 5; pl. xvi.
Andrews, R. C. 1921 A, 1, figs. 1-4.
Billings, E. 1856 A, 345 ("whale").
Brown, R. 1868 A, 548 (M. longimana).
Burlet, H. M. 1917 A, 381 (M. longimana).
Coleman, A. P. 1901 B, 133 (M. longimana).
1901 C, 217, 224 (M. longimana).
Cuvier, F. 1836 A, 321, 386, pl. xx (Rorqualus boöps).
Dawson, J. W. 1894 C, 31, 203, 268 (M. longimana).
Fischer, J. B. 1829 A, 524 (Balæna boöps).
Gray, J. E. 1846 A, 18 (Balænoptera physalus); 51 (B. boöps).
1868 C, 247 (Balæna).
Guldberg, G. 1904 A, 371 (M. boöps).
Hay, O. P. 1923 A, 490 (M. boöps).
Kellogg, R. 1922 D, 3, text-figs. 2, 4.
1928 A, 193, 204, figs. 19, 24.
Kükenthal, W. 1900 A, 217, fig. 7 (M. boöps).
Lambe, L. M. 1904 C, 30, 39, 50 (M. boöps).
1912 A, 14 (M. boöps).
Lockington, W. N. 1884 A, 196, fig. (M. longimana).
Lydekker, R. 1909 D, 15, fig. 8 (M. boöps).
Miller, G. S. 1924 B, 10.
1924 C, 506.
Palacký, J. 1902 C, 264 [Balænoptera (M. boöps)].
Pander and Alton 1827 A, 6, pls. iii, iv.
Perkins, G. H. 1908 A, 83 (M. longimana).
1910 A, 157 (M. longimana).
Ridewood, W. G. 1922 A, 214, figs. 1-11.
Rudolphi, C. A. 1832 A, 133, pls. i-v (Balæna longimana).
Ryder, J. 1887 B, 460, 481, pl. iii (M. longimana).
Struthers, J. 1885 C, 766 (M. longimana).
Taylor, F. B. 1915 A, 333 ("whale").
Trouessart, E. L. 1905 A, 785.
True, F. W. 1904 A, 211, pls. xxix-xxxiii; pls. xxxvi-xli; text-figs. 68-83.
Turner, W. 1871 A, 349 (Balænoptera boöps).
Van Beneden, P. J. 1880 A, 32 (M. boöps).
1882 A, 35, 50 (M. boöps).
Recent; North Atlantic: Pleistocene (Champlain); Ontario: Pleistocene?; Louisiana.

Megaptera sp. indet.

Dall, W. H. 1909 A, 17 (This genus?). Miocene (Coos Bay); Oregon.
Van Beneden and Gervais 1880 A, 265. Recent?.

MESOTERAS Cope. Type *M. kerrianus* Cope.

Hay, O. P. 1902 A, 600.
Kellogg, R. 1928 A, 35.
Palmer, T. S. 1904 A, 416, 790.
True, F. W. 1912 E, 780.
Winge, H. 1910 A, 19.

Mesoteras kerrianus Cope.

Hay, O. P. 1902 A, 600.
Emmons, E. 1852 A, 99 ("whale").
Harlan, R. 1834 B, 89 ("shark").
McLenahan, S. 1852 A, 71 ("whale").
Merrill, G. P. 1907 A, 48.
Miller and Stephenson 1912 A, 47, 54 ("whale").
Mitchell, S. L. 1818 A, 400 ("whale," "shark").
1826 A, 15 ("sea-serpent," "shark").
Palacký, J. 1902 C, 250.
Upper Miocene; North Carolina.

BALÆNIDÆ Gray.

Gray, J. E. 1825 B, 336.
Hay, O. P. 1902 A, 598.
Abel, O. 1907 G, 2 ("bartenwale").
1913 B, 722.
1914 A, 91.
1919 A, 762.
1921 A, 299 ("bartenwale").
Adloff, P. 1904 B, 55 ("bartenwale").
Allen, G. M. 1916 A, 110.
1921 B, 240.
Andrews, R. C. 1914 A, 289 ("baleen whales").
Arldt, T. 1907 D, 641.
Augustin, W. 1913 A, 533 ("bartenwale").
Beddard, F. E. 1900 A, 121, 312.
1901 A, 93 ("right whales").
1902 A, 358.
Bonaparte, C. L. 1832 A, 294 (Balænina; Balænidæ, in part; Physeteridæ, in part).
Braun, M. 1908 A, 406 ("bartenwale").
Cabrera, A. 1926 B.
Cahall, W. C. 1890 A, 231 ("whalebone whales").
Carus, V. 1875 A, 171 (Balænida).
Case, E. C. 1904 D, 34.
Cuvier, F. 1836 A, 303 ("baleines").
Durand, J. P. 1898 A, 293 ("baleines").
Eastman, C. R. 1906 E, 95.
Eimer, G. H. T. 1901 A, 159 ("bartenwale").
Elliot, D. G. 1901 A, 7.
Gervais, P. 1859 A, 312 ("balenidés").
Giebel, C. G. 1883 A ("bartenwale").
Gilbert, J. Z. 1908 A, 20.
Gray, J. E. 1821 A, 310 (Balanadæ).
1846 A, 15, 46.
1863 A, 198.
1868 C, 242.
1870 B, 391.
Guérin, R. 1874 A, 63.
Guldberg, G. 1903 A, 805.
Howes, G. B. 1894 A, 79.

Huxley, T. H. 1863 F, 634 (Balænoidea).
Kampfen, P. N. 1905 A, 649.
Kellogg, R. 1928 A, 35.
Köstlin, O. 1844 A ("balänen").
Kükenthal, W. 1891 C, 381 ("bartenwale").
1894 B, 72 ("bartenwale").
Leche, W. 1887 A ("bartenwale").
1900 A, 1027 ("bartenwale").
Leunis and Ludwig 1883 A, 281.
Lockington, W. N. 1884 A, 201.
Lydekker, R. 1887 B, 8.
Martins, C. 1857 A, 69, 91 ("baleines").
Meunier, S. 1903 A, 777 ("baleines").
Miller, G. S. 1923 A, 20, 40.
1924 B, 9.
Mivart, St. G. 1879 B, 511 ("whales").
Owen, R. 1845 B, 345.
1845 F, 38.
1868 A, 866.
Palacký, J. 1902 C, 261 ("baläniden").
Pictet, F. J. 1853 A, 386 ("balénides").
Pompeckj, J. F. 1922 A, 84, 88 ("bartenwale").
Pouchet and Chabry 1884 A, 182 ("balénides").
Reche, O. 1905 B, 150, 204.
Steinmann, G. 1908 A, 242 ("bartenwale").
1912 B, 724 ("bartenwale").
Taschenberg, O. 1899 A, 4470.
Trouessart, E. L. 1905 A, 779.
True, F. W. 1912 E, 779.
Van Beneden, P. J. 1880 A, 41, 50 ("baleines").
Wallace, A. R. 1876 A, II, 207.
Weber, M. 1904 A, 574 (Balænidæ); 576 (Balæninæ).
Weber and Abel 1928 A, 389 (table), 390.
Wilckens, O. 1911 A, 711 ("bartenwale").
Winge, H. 1919 A, 68, 73, 120.
Winge and Miller 1921 A, 10, 16, 21, 45, 59.
Zittel and Schlosser 1911 A, 410.
1923 A, 493.

BALÆNINÆ Flower.

Flower, W. H. 1867 A, 115.
Trouessart, E. L. 1905 A, 786.
Winge, H. 1919 A, 79 (Balænini).
Winge and Miller 1921 A, 10, 18 (Balænini).

BALÆNA Linnæus. Type *B. mysticetus* Linnæus.

Hay, O. P. 1902 A, 601.
Abel, O. 1907 G, 33, fig. 25.
1908 A, 474.
1908 B, 156.
1909 D, (225, 226).
1912 F, 178, 661.
1913 C, 178, 212.
1923 B, 271.
Allen, G. M. 1916 A, 110.
Arldt, T. 1907 D, 641.
Augustin, W. 1913 A, 534.
Beddard, F. E. 1900 A, 122, 312, figs. 10, 19.
1901 A, 93.
1902 A, 358.
Bensley, B. A. 1902 A, 7.
Braun, M. 1908 A, 407.
Bronn, H. G. 1848 A, 145.
1849 A, 701.
Burlet, H. M. 1917 A, 398, figs. 17-19.
Cabrera, A. 1926 B, fig. 2.
Carruccio, A. 1913 B, 178 ("balene").
Cuvier, F. 1836 A, 354, pls. xxi, xxii.
Cuvier, G. 1805 A.
Doran, A. H. G. 1878 A, 450, pl. lxii.
Elliot, D. G. 1901 A, 7.
Eschricht, D. F. 1869 A, 5, 10, pls. i, ii, v.
Fischer, J. B. 1829 A, 520.
Gervais, P. 1852 A, 159.
1859 A, 312.
Giebel, C. G. 1855 A, 85.
1883 A, pls. xxxix, lxvii, lxxiv.
Goodsir, J. 1868 A, 54.
Gray, J. E. 1846 A, 15, 47.
1868 C, 242.
1870 A, 194.
1870 B, 391.
Gregory, W. K. 1920 A, 160.
Guérin, R. 1874 A, 63.
Huxley, T. H. 1863 F, 634, figs. 59-61.
Kampfen, P. N. 1905 A, 650.
Kehrer, F. A. 1896 A, fig. 33.
Kellogg, R. 1925 A, 35, 191.
Kingsley, J. S. 1925 A, 211, fig. 224.
Kükenthal, W. 1894 B, 72.
1900 A, 203, fig. 1.
1914 B, 73.
1922 A, 59.
Laloy, L. 1907 A, 585 ("baleine").
Larger, R. 1913 A, 709 ("baleine").
Leche, W. 1887 A, pls. xciii, xcvii.
Le Damany, P. 1903 G, 131, 316, figs. 2, 11, 16 ("baleine").
Leunis and Ludwig 1883 A, 281.
Leydig, F. 1859 A, 670.
Lillie, D. G. 1910 A, 784.
Lönnberg, E. 1910 B, 230.
1911 A, 37.
1911 D, 1, figs. 1-5.
1924 A, 1.
Lull, R. S. 1907 A, 477.
Lydekker, R. 1887 B, 10.
1906 B, 391 ("whale").
1909 D, 12, figs. 1-3.
Meckel, J. F. 1825 A.
Miller, G. S. 1923 A, 16, 21, pl. viii, fig. 9.
Newton, E. T. 1886 B, 320.
Osburn, R. C. 1906 A, 454.
Owen, R. 1843 D, 283.
1845 B, 312, 314, pl. lxxvi, figs. 4-7.
1845 F, 38.
1848 B, 94.
1866 B, 426, 428.
Palacký, J. 1902 C, 262.
Palmer, T. S. 1904 A, 131, 789.
Pander and Alton 1827 A, 3, pls. ii, iv.
Pictet, F. J. 1853 A, 387.
Pompeckj, J. F. 1922 A, 58, 84.
Pütter, A. 1923 A, 223.
Reche, O. 1905 B, 151, 238, figs. 1-3.
Rousseau, L. F. E. 1856 A, 19.
Ryder, J. 1887 B, pl. ii.
Sclater, P. L. 1897 A, 352.

Steinmann, G. 1908 A, 241, figs. 145, 146.
1909 A, 83, fig. 18.
Stromer, E. 1908 B, 164.
Struthers, J. 1894 A, 684.
Taschenberg, O. 1899 A, 4471.
Trouessart, E. L. 1905 A, 786.
True, F. W. 1904 A, 319.
Van Beneden, P. J. 1836 B, 318 ("baleines").
Wagner, R. 1843 A.
Wallace, A. R. 1876 A, II, 207.
Weber, M. 1886 A.
1904 A, 555, 573, 574, 576, figs. 412, 416.
Weber and Abel 1928 A, 358, 390, figs. 218, 219, 221, 222.
Weber and Burlet 1927 A, 143.
Wilder, B. 1872 B, 316.
Winge, H. 1919 A, 68, 76, 79.
Winge and Miller 1921 A, 18, 45, 74.

Balæna affinis? Owen.

Hay, O. P. 1902 A, 601.
Case, E. C. ? 1904 D, 55.
Owen, R. 1843 D, 283, fig.
Shattuck, G. B. 1904 A, xciv.
Miocene (Chesapeake); Maryland or Virginia, North Carolina?, England.

Balæna sp. indet.

Allen, G. M. 1926 A, 465 (Eubalæna). Miocene; South Carolina.
Dall, W. H. 1894 A, 297 (This genus?). Miocene; Massachusetts.

BALÆNULA Van Beneden. Type *B. balænopsis* Van Beneden.

Van Beneden, P. J. 1872 B, 11-12.
Cabrera, A. 1926 B, 365.
Kellogg, R. 1928 A, 35.
Lydekker, R. 1887 B, 8, 10 (Syn. of Balæna).
Newton, E. T. 1891 A, 60 (Balæna).
Van Beneden, P. J. 1880 A, 52, pls. i-xvii; 3 text-figs.
1882 A, 23.

Balænula sp. indet.

Van Beneden, P. J. 1880 A, 31. Miocene?. Mouth of the Potomac.

ARCHÆODELPHIS Allen. Type *A. patrius* Allen.

Allen, G. M. 1921 C, 4.
Kellogg, R. 1924 A, 5.
1928 A, 34, 42, 180, 182.
Miller, G. S. 1923 A, 23, 30, 42, pl. v, fig. 3.
The family position of this genus is not determined.

Archæodelphis patrius Allen.

Allen, G. M. 1921 C, 4, pl. i.
Kellogg, R. 1924 C, 759.
1928 A, 48, 180, figs. 4, 15.
Eocene? (Jackson?); Alabama?.

Suborder ODONTOCETE Flower.

Flower, W. H. 1864 A, 388.
Hay, O. P. 1902 A, 588.
Abel, O. 1901 A, 7 ("odontocètes").
1901 B, 300, 313 ("odontoceten").
1902 A, 178 ("odontocètes").
1902 B, 510 ("zahnwale").
1905 A, 21 ("odontocètes").
1905 C, 375 ("odontoceten").
1905 E, 84 ("odontoceten").
1907 G, 5 ("zahnwale").
1909 A, 243.
1910 B, (186).
1912 F, 470 (Odontoceti); 725 (Delphinocete).
1913 B, 719 (Odontoceti).
1913 C, 211 (Odontoceti, Odontocetoidea); 221 (Squaloceti, Delphinoceti).
1914 A, 81 (Odontoceti); 99 (Delphinoceti).
1914 C, 390 ("zahnwale").
1919 A, 762 (Squaloceti); 772 (Delphinoceti).
1920 A, 424 (Delphinoceti).
Ameghino, F. 1889 A, 883, 895, 896, 898 (Odontoceta).
Andrews, C. W. 1907 C, 304 (Odontoceti).
1908 B, 209 (Odontoceti).
Anthony, R. 1912 A ("odontocète").
Arldt, T. 1907 D, 82, 144 (Odontoceti).
Beddard, F. E. 1900 A, 172, 317.
1902 A, 362 (Odontoceti).
Boenninghaus, G. 1904 A, 189 ("zahnwale").
Bolk, L. 1922 A, 111, 127 (Odontoceti).
Branca, W. 1908 C, 392 ("zahnwale").
Braun, M. 1908 A, 401 ("zahnwale").
Case, E. C. 1904 D, 4 (Odontoceti).
Cope, E. D. 1891 N, 69 (Odontoceti).
Cuvier, F. 1825 A, 240 ("cétacés piscivores").
Dal Piaz, G. 1916 A, 1-23 (Odontoceti).
1917 A, 3-34 (Odontoceti).
Dollo, L. 1907 C, 161 ("odontocètes").
Eastman, C. R. 1907 B, 90 (Odontocetes).
Fraas, E. 1905 B, 381 (Odontoceti).
Giebel, C. G. 1883 A ("zahnwale").
Giglioli, E. H. 1872 A, 3 ("cetodonti").
Gregory, W. K. 1910 A, 417 (Odontoceti).
1920 A, 160, 243 (Odontoceti).
Guérin, R. 1874 A, 65 ("cétodontes").
Hepburn, D. 1901 A, 681 (Denticeti).
Houssay, F. 1910 A, 17 ("denticètes").
Howes, G. B. 1894 A, 81 (Odontocœtes).
1903 A, 327.
Jaekel, O. 1903 C, 40 ("zahnwale").
1911 A, 231 (Odontoceti).
Kellogg, R. 1924 C, 756 ("toothed whales").
1926 B, 406 ("toothed whales").
1928 A, 29, 32, 37, 46.
Kükenthal, W. 1891 C, 397 ("zahnwale").
1905 A, 96 ("zahnwale").
1908 A, 610 ("zahnwale").
1908 C, 245 ("zahnwale").
1909 A, 545 ("zahnwale").
1913 A, 682 (Odontoceti).

Kunze, A. 1912 A, 579 ("zahnwale").
Larger, R. 1913 A, 721 ("denticètes").
Leche, W. 1887 A ("zahnwale").
1902 A, 45 ("zahnwale").
Leunis and Ludwig 1883 A, 277 (Denticete).
Lillie, D. G. 1910 A, 781.
Lockington, W. N. 1884 A, 182 (Delphinoidea).
Lönnberg, E. 1924 A, 1 (Odontoceti).
Lucas, F. A. 1901 C, 618.
Lydekker, R. 1901 B, 652 ("toothed whales").
1909 D, 22.
McIntosh, —— 1911 A, 81 (Odontoceti).
Matthes, E. 1921 C ("zahnwale").
Miller, G. S. 1923 A, 14, 33 (Odontoceti).
Osborn, H. F. 1902 E, 356, fig. 1.
1907 G, 16 (Odontoceti).
1907 H, 613 (Denticete).
1925 B, 18.
Osburn, R. C. 1903 A, 653 (Odontoceti).
Parker and Haswell 1897 A, 451 (Odontoceti).
Pompeckj, J. F. 1922 A, 57 ("zahnwale").
Reche, O. 1905 B, 162, 212, 242 (Denticeta).
Rehs, J. 1914 A, 41 (Odontoceti).
Reynolds, S. H. 1897 A, 357, 548 (Odontoceti).
Smith, G. E. 1903 A, 326 (Odontoceti).
1903 B, 46 (Odontoceti).
Steinmann, G. 1907 A, 468 (Odontoceti, Physeteroidea, Delphinoidea).
1908 A, 243 (Physeteroidea, Delphinoidea).
1912 B, 729 (Odontocoeti); 724 (Physeteroidea, Delphinoidea).
Sterling, S. 1910 C, 667 ("zahnwale").
Stromer, E. 1903 B, 39 (Denticeti).
1908 A, 83 ("zahnwale").
1908 B, 158 (Denticeti).
1915 A, 136 (Denticeti).
Terra, P. 1911 A, 342.
Thomas, O. 1888 A, 456, 458 ("odontocetes").
Trouessart, E. L. 1905 A, 754 (Odontoceti).
True, F. W. 1908 B, 391.
1912 E, 780 (Odontoceti).
Turner, W. 1909 A, 719 (Odontoceti).
Weber, M. 1886 A.
Weber and Abel 1928 A, 363, 389 (table), 392 (Odontoceti).
Weber and Burlet 1927 A, xv (Odontoceti).
Winge, H. 1919 A, 68 (Odontoceti).
Winge and Miller 1921 A, 10, 55. (Odontoceti).
Woodward, M. F. 1894 B, 436 (Odontoceti).
Zittel and Schlosser 1911 A, 406 (Odontoceti).
1923 A, 492 (Delphinoceti).

AGOROPHIIDÆ Abel.

Abel, O. 1913 B, 720.
1913 C, 219.
1914 A, 92 ("agorophiden").
1919 A, 751.
Allen, G. M. 1921 C, 4.
Kellogg, R. 1923 A, 44.
1925 B, 37.
1928 A, 47.
Miller, G. S. 1923 A, 22, 23, 40, 42.
Weber and Abel 1928 A, 403.
Zittel and Schlosser 1923 A, 488.

AGOROPHIUS Cope. Type *Zeuglodon pygmæus* Müller.

Hay, O. P. 1902 A, 589.
Abel, O. 1912 G, 68.
1913 B, 720.
1913 C, 213.
1914 A, 86.
1919 A, 751.
Allen, G. M. 1921 B, 240.
1921 C, 6.
Kellogg, R. 1923 A, 4.
1923 B, 4.
1928 A, 32, 42, 47, 182, 183.
Miller, G. S. 1923 A, 5, 24, 42, pl. v, fig. 2.
Stromer, E. 1903 D, 89.
1908 A, 82.
1908 B, 159.
1915 A, 135, 137.
Trouessart, E. L. 1905 A, 756.
True, F. W. 1907 A, 2.
1908 B, 387.
1909 C, 446.
1912 E, 780.
Weber and Abel 1928 A, 403.
Winge, H. 1919 A, 68, 81, 128.
Winge and Miller 1921 A, 23, 24, 71.
Zittel and Schlosser 1923 A, 488.

Agorophius pygmæus (Müller).

Hay, O. P. 1902 A, 589.
Abel, O. 1913 B, 720, fig. 23.
1913 C, 202, 213, 219, pl. x; text-fig. 15.
1914 A, 86, fig. 48.
1919 A, 753, fig. 560.
1920 A, 427, fig. 645.
Allen, G. M. 1926 A, 460.
Kellogg, R. 1923 A, 3, 4, 45.
1924 A, 3.
1924 C, 758.
1928 A, 48, fig. 4.
Lydekker, R. 1892 C, 561 (Doryodon).
Müller, J. 1849 A, 29, pl. xxiii, figs. 1, 2 ("kleiner Zeuglodon").
Stromer, E. 1908 A, pl. i, fig. 3.
1908 B, 173.
True, F. W. 1907 A, 2, pl. vi (Phocodon holmesii).
Tuomey, M. 1847 A, 283, 2 figs. ("Zeuglodon").
1847 B, 151, 2 figs. ("Zeuglodon").
1847 C, 16, pl. v. ("Zeuglodon").
Weber and Abel 1928 A, 403, fig. 249.
Upper Eocene (Cooper marl); South Carolina.

XENOROPHUS Kellogg. Type *X. sloanii* Kellogg.

Kellogg, R. 1923 B, 1.
1928 A, 32, 46, 47, 183.
Miller, G. S. 1923 A, 23, 25, 31, 40, pl. v, fig. 6.

Xenorophus sloanii Kellogg.

Kellogg, R. 1923 B, 1, pls. i, ii.
1924 C, 758.
1928 A, 47, 199, fig. 4.
Upper Eocene (Cooper marl); South Carolina.

SQUALODONTIDÆ Brandt.

Brandt, J. F. 1873, Bull. Acad. Imp. Sci., St. Pétersb., XVIII, 576.
Hay, O. P. 1902 A, 588.
Abel, O. 1905 A, 25, 34, 46.
1905 B, 203 ("squalodontidés").
1905 E, 88 ("squalodontiden").
1913 B, 722.
1913 C, 220, 221.
1919 A, 762.
Allen, G. M. 1921 B, 240.
Ameghino, F. 1889 A, 895.
Arldt, T. 1907 D, 682.
Beddard, F. E. 1900 A, 307.
1902 A, 384.
Boas, J. E. V. 1914 B, 585 ("squalodonten").
Cabrera, A. 1926 B, 373.
Case, E. C. 1904 D, 5, 6.
Dal Piaz, G. 1904 A, 1, 16 (Squalodontidi).
Fraas, E. 1905 B, 382 ("squalodonten").
Gregory, W. K. 1920 A, 161.
Kampfen, P. N. 1905 A, 652.
Kellogg, R. 1925 D, 2.
1928 A, 32, 50.
Lönnberg, E. 1910 B, 247.
1911 A, 69.
1911 C, 2.
Lortet, L. 1887 A, 318 ("squalodons").
Lydekker, R. 1899 A, 920.
1909 D, 41.
Miller, G. S. 1923 A, 33, 40, 46.
Palacký, J. 1902 C, 256 ("squalodontiden").
Palmer, T. S. 1904 A, 771, 798.
Reche, O. 1905 B, 183.
Stromer, E. 1903 B, 37.
1908 A, 82.
1908 B, 158.
1915 A, 136.
Trouessart, E. L. 1905 A, 754.
True, F. W. 1908 B, 391.
1909 C, 452.
1911 B, 38.
1912 E, 779.
Van Beneden, P. J. 1880 A, 39 ("squalodons").
Weber, M. 1904 A, 582, 583 (Squalodontidæ); 583 (Mesoceti).
Weber and Abel 1928 A, 376, 403 ("squalodontiden").
Winge, H. 1919 A, 68, 80, 104, 127.
Winge and Miller 1921 A, 10, 22, 24, 45.
Zigno, A. de 1876 A, 18 ("squalodonti").
Zittel and Schlosser 1911 A, 407.
1923 A, 489, 672.

SQUALODON Grateloup. Type *Squalodon typicus* Kellogg.

Hay, O. P. 1902 A, 588.
Abel, O. 1901 A, 9.
1902 A, 183.
1902 B, 518, pl., fig. 5.
1905 A, 33, 47.
1905 B, 203.
1905 E, 85.
1907 G, 21, fig. 15.
1908 A, 486, fig. 15.
1912 F, 467, 701, fig. 391.
1912 G, 59.
1913 B, 722, fig. 27.
1913 C, 194.
1914 A, 86, fig. 54.
1919 A, 764, fig. 571.
1920 A, 427, fig. 646.
Arldt, T. 1907 D, 38, 433.
Beddard, F. E. 1900 A, 308.
Bronn, H. G. 1848 B, 1196.
1849 A, 702.
Cabrera, A. 1926 B.
Capellini, G. 1881 A, 413, pl.
Case, E. C. 1904 D, 6.
Dal Piaz, G. 1900 A, 304, pls. xxvi-xxix.
1903 A, 219.
1904 A, 4, 12.
1917 A, 6.
Dollo, L. 1919 A, 12.
Fraas, E. 1904 A, 14.
1905 B, 384.
Gemmellaro, M. 1921 A.
Gervais, P. 1852 A, 151, explan. pls. viii, xli.
1859 A, 309.
1871 B, 79, pls. ii, iii.
Giebel, C. G. 1883 A.
Grateloup, J. P. S. 1840 B, 346.
Gregory and Kellogg 1927 A, 4.
Hall, T. S. 1911 A, 344.
Heilprin, A. 1887 A, 344.
Hoernes, R. 1886 A, 699.
Holmes, F. S. 1870 A, 64 ("squalodons," "phocodons").
Huxley, T. H. 1870 F, 531.
Kampfen, P. N. 1905 A, 652.
Kellogg, R. 1923 A, 1, 18, 35, 40.
1924 C, 764.
1925 C, 4, 10.
1926 A, 7.
1927 A, 6.
1928 A, 32, 53, 58, 201.
Larger, R. 1913 A, 726.
Lönnberg, E. 1910 B, 248.
1911 A, 70.
1911 C, 13.
Lortet, L. 1887 A, 315, 316, 2 pls. (Rhizoprion).
Lydekker, R. 1887 B, 15.
1892 C, 559.
1894 B, 125.
1899 A, 920.

Lydekker, R. 1901 B, 653.
1909 D, 41, figs. 31, 32.
Miller, G. S. 1923 A, 26, 46.
Newton, E. T. 1891 A, 75.
Osborn, H. F. 1910 B, 251, 561.
Palacký, J. 1902 C, 256.
Palmer, T. S. 1904 A, 642, 798.
Pictet, F. J. 1853 A, 379.
Pompeckj, J. F. 1922 A, 83, 87, 88.
Reche, O. 1905 B, 183.
Reynolds, S. H. 1897 A, 367, 427.
Schlosser, M. 1899 I, 346.
Schmidt, O. 1886 A, 253, fig. 47.
Seeley, H. G. 1878 A, 222.
Stromer, E. 1903 B, 37.
1903 D, 86, 95.
1915 A, 135.
Suess, E. 1868 A, 287, pl. x.
Trouessart, E. L. 1905 A, 755.
True, F. W. 1907 A, 6.
1908 B, 386.
1909 C, 446.
1910 B.
1912 D, 200.
Wallace, A. R. 1876 A, II, 210.
Weber, M. 1886 A, 190, 233.
1904 A, 565, 567, 582.
Weber and Abel 1928 A, 403, fig. 250.
Winge, H. 1910 A, 30.
1919 A, 68, 81, 128.
Winge and Miller 1921 A, 23, 24.
Woodward, A. S. 1898 D, 333.
Zigno, A. 1876 A, 19, pl.
Zittel, K. A. 1877 A, 233, pl. xxxv.
1877 B, 19-46, pl. i.
Zittel and Schlosser 1911 A, 407.
1923 A, 489, 490, fig. 613.

Squalodon atlanticus Leidy.

Hay, O. P. 1902 A, 589.
Allen, G. M. 1916 A, 282 (Basilosaurus).
Cabrera, A. 1926 B, 382.
Case, E. C. 1904 D, 6, pl. x, figs. 1-3 (Squalodon); 7 (Basilosaurus).
Kellogg, R. 1923 A, 7, 41.
Rhoads, S. N. 1903 A, 247.
Shattuck, G. B. 1904 A, xciv.
Stromer, E. 1908 B, 158.
Upper Miocene (Calvert); Maryland, New Jersey.

Squalodon calvertensis Kellogg.

Kellogg, R. 1923 A, 41, 45, pls. i-xvi; text-figs. 1, 2.
Cabrera, A. 1926 B, 380, 385.
Kellogg, R. 1923 B, 2.
1928 A, 51.
Middle Miocene (Calvert); Maryland.

Squalodon crassus Allen.

Allen, G. M. 1926 A, 462, pl. v.
Kellogg, R. 1928 A, 200, fig. 22.
Upper Miocene (Edisto marl); South Carolina.

Squalodon pelagius Leidy.

Hay, O. P. 1902 A, 589.
Kellogg, R. 1923 A, 3, 28 (Squalodon?).
Upper Miocene (Edisto marl); South Carolina.

Squalodon tiedemani Allen.

Hay, O. P. 1902 A, 589.
Kellogg, R. 1923 A, 3, 4.
Palacký, J. 1902 C, 256.
True, F. W. 1910 B, 22.
Miocene (Wando River); South Carolina.

Squalodon sp. indet.

Kellogg, R. 1923 A, 3, 29 (Squalodon protervus Leidy, not of Cope) Ashley River, S. Carolina: 63, pls. xvii-xx; Miocene (Calvert); Maryland.
Rhoads, S. N. 1903 A, 246. Miocene; New Jersey.

CETOPHIS Cope. Type *C. heteroclitus* Cope.

Hay, O. P. 1902 A, 593.
Palmer, T. S. 1904 A, 174, 797.
Trouessart, E. L. 1905 A, 763.
True, F. W. 1912 E, 780.

Cetophis heteroclitus Cope.

Hay, O. P. 1902 A, 593.
Case, E. C. 1904 D, 23, pl. xiv, fig. 4.
Shattuck, G. B. 1904 A, xciv.
Van Beneden, P. J. 1880 A, 31.
Middle Miocene (Calvert); Maryland.

COLOPHONODON Leidy. Type *C. holmesii* Leidy.

Leidy, J. 1853 C, 377.
Hay, O. P. 1902 A, 589 (Squalodon, in part).
Kellogg, R. 1923 A, 20.

Colophonodon holmesii Leidy.

Hay, O. P. 1902 A, 589 (Squalodon).
Allen, G. M. 1924 A, 121.
Kellogg, R. 1923 A, 20.
Upper Miocene (Edisto marl); South Carolina.

SAUROCETUS Agassiz. Type *S. gibbesii* Agassiz.

Hay, O. P. 1902 A, 588.
Abel, O. 1907 B, 255.
Cabrera, A. 1926 B, 397.
Kellogg, R. 1928 A, 32.
Stromer, E. 1903 D, 88.

Saurocetus gibbesii Agassiz.

Hay, O. P. 1902 A, 588.
Allen, G. M. 1924 A, 120.
1926 A, 461, pl. iv.

Kellogg, R. 1923 A, 15.
Trouessart, E. L. 1905 A, 754.
Van Beneden, P. J. 1880 A, 31.
Miocene?; South Carolina.

INIIDÆ Gill.

Gill, T. 1872 B, 14, 94.
Abel, O. 1905 A, 41, 129 (Acrodelphidæ).
1905 E, 96 ("acrodelphiden").
1912 F, 467 ("acrodelphiden").
Cabrera, A. 1926 B, 396.
Eastman, C. R. 1907 C, 86 (Acrodelphidæ).
Gray, J. E. 1863 A, 199 (Iniadæ).
Kellogg, R. 1928 A, 32, 54.
Miller, G. S. 1923 A, 34, 40, 47.
Roverto, C. 1915 A, 141 (Acrodelphidæ).
True, F. W. 1908 B, 388, 391.
1909 B, 329 (Acrodelphidæ a syn.).
1909 C, 446.
1912 E, 779 (Acrodelphidæ a syn.).
Van Beneden and Gervais 1880 A, 468, pl. xxix (Inia).
Weber and Abel 1928 A, 389 (table), 392 (Iniinæ).
Zittel and Schlosser 1911 A, 408 (Acrodelphidæ).

INIINÆ Flower.

Flower, W. H. 1867 A, 114.
Abel, O. 1905 A, 129.
Cuvier, F. 1836 A, 166 ("les inias").
Eastman, C. R. 1907 C, 86.
Roverto, C. 1915 A, 141 (Acrodelphinæ).
True, F. W. 1908 B, 391.
Zittel and Schlosser 1911 A, 408.
1923 A, 491.

HESPEROCETUS True. Type *H. californicus* True.

True, F. W. 1912 B, 1.
Miller, G. S. 1923 A, 49.

Hesperocetus californicus True.

True, F. W. 1912 B, 1, pls. i, ii.
Lydekker, R. 1913 A, 9.
Winge and Miller 1921 A, 79.
Upper Miocene (Upper San Pablo); California.

ZIPHIIDÆ Gray.

Gray, J. E. 1865, Proc. Zool. Soc. Lond., 528.
Abel, O. 1905 A, 40, 88.
1905 B, 207 ("ziphiides").
1909 A, 247, 252 ("ziphiiden").
1909 B, 261 ("ziphiiden").
1913 C, 221.
1914 A, 95, 96.
Arldt, T. 1907 D, 689.
Cabrera, A. 1926 B, 391.
Gervais, P. 1859 A, 285 ("ziphidés").
1868 A, 141, pl. v (Ziphius).
Gray, J. E. 1866 A, 326.
Harmer, S. F. 1924 A, 546, fig. 1.
Kellogg, R. 1924 C, 765.
1928 A, 32, 58.
Lockington, W. N. 1884 A, 182.
Miller, G. S. 1923 A, 34, 40, 52.
Owen, R. 1870 D, 1 (Ziphius).
Palmer, T. S. 1904 A, 776, 794.
Taschenberg, O. 1899 A, 4708.
True, F. W. 1908 B, 387, 388, 391.
1910 A, 1-89.
Van Beneden, P. J. 1880 A, 39 ("ziphioïdes").
1885 A, 10 ("ziphioïdes").
1888 B, 1-119 ("ziphioïdes").
Weber and Abel 1928 A, 376, 389 (table), 393-405 (Ziphiinæ).
Winge and Miller 1921 A, 43 (Xiphiini).
Zittel and Schlosser 1911 A, 408 (Ziphiinæ).
1923 A, 491.

ZIPHIINÆ Gill.

Gill, T. 1871 B, 124.
Hay, O. P. 1902 A, 596.
Abel, O. 1901 A, 14, 38.
1902 A, 184 ("ziphiinés").
1905 E, 91 ("ziphiiden").
1912 F, 523, 708 ("ziphiiden").
1913 B, 724 (Ziphiidæ).
1914 C, 389.
1919 A, 766 (Ziphiidæ).
Beddard, F. E. 1900 A, 220, 320 ("ziphioids").
1902 A, 367.
Burmeister, H. 1868 A, 309 (Ziphiadæ).
Case, E. C. 1904 D, 30.
Du Bus, B. 1867 A, 569 ("les ziphius").
1868 A, 621 ("ziphiidés").
Flower, W. H. 1878 A, 415 ("ziphoid whales").
Gervais, P. 1852 A, 153, 154 (Ziphiua).
1859 A, 285 ("ziphidés").
Gregory, W. K. 1920 A, 161.
Harmer, S. F. 1915 A, 559 (Ziphius).
Huxley, T. H. 1864 C, 9 (Rhynchoceti).
Kampfen, P. N. 1905 A, 646.
Kernan, J. D. 1918 A, 349-394, pls. xx-xxiii (Ziphius).
Kükenthal, W. 1908 A, 610 ("ziphiinen").
Larger, R. 1913 A, 724 ("ziphiidés").
Owen, R. 1870 D, 1 ("ziphoid family"); 16 (Ziphius).
Palmer, T. S. 1904 A, 776, 794 (Ziphiina).
Reche, O. 1905 B, 167, 169, fig. 14 (Ziphiina).
Steinmann, G. 1912 B, 728.
Sterling, S. 1910 B, 231 (Ziphiinæ).
Van Beneden, P. J. 1888 B, 5, 79.
Weber, M. 1904 A, 576, 578.
Winge, H. 1919 A, 68, 96 (Xiphiini).
Winge and Miller 1921 A, 44 (Xiphii).
Zittel and Schlosser 1911 A, 408.

EBOROZIPHIUS Leidy. Type *E. cœlops* Leidy.

Leidy, J. 1876 A, 81.
Hay, O. P. 1902 A, 596.
Abel, O. 1905 A, 108 (Syn. of Choneziphius).
Kellogg, R. 1928 A, 33.
Leidy, J. 1877 A, 224.

Eboroziphius cœlops Leidy.

Leidy, J. 1876 A, 81.
Hay, O. P. 1902 A, 596 (Choneziphius).
Abel, O. 1905 A, 108 (E. cœlops; syn. of Choneziphius planirostris).
Upper Miocene; South Carolina.

PROROZIPHIUS Leidy. Type *P. macrops* Leidy.

Hay, O. P. 1902 A, 597.
Abel, O. 1905 A, 115 (Syn. of Mesoplodon).
Kellogg, R. 1928 A, 33.
Palmer, T. S. 1904 A, 575, 796.
True, F. W. 1912 E, 780.

Proroziphius chonops Leidy.

Hay, O. P. 1902 A, 597.
Abel, O. 1905 A, 115 (Mesoplodon longirostris).

Allen, G. M. 1926 A, 464.
Upper Miocene (Phosphate beds); South Carolina.

Proroziphius macrops Leidy.

Hay, O. P. 1902 A, 597.
Abel, O. 1905 A, 115 (Mesoplodon longirostris).
Miocene (Phosphate beds); South Carolina.

BELEMNOZIPHIUS Huxley. Type *B. compressus* Huxley.

Huxley, T. H. 1864 A, 393.
Hay, O. P. 1902 A, 597 (Mesoplodon, in part).
Abel, O. 1905 A, 115[1] (Mesoplodon, in part).
Du Bus, B. 1868 A, 570.
Huxley, T. H. 1864 C, 4, 6.
Kellogg, R. 1928 A, 33.
Owen, R. 1870 D, 38.

Belemnoziphius prorops Leidy.

Hay, O. P. 1902 A, 597 (Mesoplodon).
Abel, O. 1905 A, 115 (Mesoplodon longirostris).
Trouessart, E. L. 1905 A, 777 (Mesoplodon).
Upper Miocene (Phosphate beds); South Carolina.

CHONEZIPHIUS Duvernoy. Type *Ziphius planirostris* Cuvier.

Hay, O. P. 1902 A, 596.
Abel, O. 1905 A, 107.
1905 E, 93.
1912 F, 583.
1913 B, 724.
1914 A, 97, fig. 59.
1919 A, 768, figs. 575, 577.
Du Bus, B. 1868 A, 628, 630 (Ziphiopsis, Belemnoziphius).
Gervais, P. 1852 A, explan. pl. xl.
1859 A, 288.
Kellogg, R. 1928 A, 33.
Lankester, E. R. 1870 B, 502.
Lydekker, R. 1887 B, 14.
Newton, E. T. 1891 A, 69.
Owen, R. 1870 D, 1 (Ziphius, in part); 35 (Choneziphius).
Palmer, T. S. 1904 A, 187, 794.
Pictet, F. J. 1853 A, 385.
Trouessart, E. L. 1905 A, 775.
Weber and Abel 1928 A, 405.
Winge, H. 1919 A, 98 (Chonoxiphius).
Winge and Miller 1921 A, 44 (Chonoxiphius).
Zittel and Schlosser 1911 A, 408.
1923 A, 491.

Choneziphius planirostris Cuvier.

Cuvier, G. 1823 Oss. foss. 2nd ed., v, 356, pl. xxvii, figs. 4-8 (Ziphius).
Hay, O. P. 1902 A, 597 (C. liops, C. trachops).
Abel, O. 1905 A, 107.
1912 A, (53).
1912 F, 584, figs. 453, 454.
1913 B, 724, fig. 30.
1922 D, 33, 42, figs. 8, 9.
Allen, G. M. 1926 A, 464 (Choneziphius trachops, C. liops).
Capellini, G. 1885 A, 18-28, pl.
Du Bus, B. 1868 A, 628 (Ziphiopsis phymatodes).
Duvernoy, G. L. 1851 A, 63, 71, pl. ii, fig. 5.
Gervais, P. 1859 A, 288, pl. xl, fig. 2.
Huxley, T. H. 1864 A, 391, 395 (Ziphius planirostris); 393, pl. xix (Belemnoziphius compressus).
Kellogg, R. 1928 A, 59, fig. 8.
Lankester, E. R. 1870 B, 503, fig. 1 (C. planirostris); 502, pl. xxxiii (C. packardi).
Larger, R. 1913 A, 729.
Lydekker, R. 1887 A, 14, pl. ii, fig. 7.
Newton, E. T. 1891 A, 69, pl. viii, fig. 6; text-fig. 70.
Owen, R. 1870 D, 5, text-fig. 2 (Ziphius planirostris); 16, pl. ii, fig. 1 (Ziphius planus).
Van Beneden and Gervais 1880 A, 413, pl. xxvii, figs. 4, 5; pl. xxvii *bis*, fig. 4 (C. planirostris); 417, pl. xxvii *bis*, fig. 1 (Ziphiopsis phymatodes).
Weber and Abel 1928 A, 405, figs. 252, 253.
Upper Miocene (Phosphate beds); South Carolina; Europe.

PELYCORHAMPHUS Cope. Type *P. pertortus* Cope.

Hay, O. P. 1902 A, 597.
Kellogg, R. 1928 A, 33.
Palmer, T. S. 1904 A, 521, 796.
Trouessart, E. L. 1905 A, 775.
True, F. W. 1907 B, 105.

Pelycorhamphus pertortus Cope.

Hay, O. P. 1902 A, 597.
Miocene; Locality unknown.

ANOPLONASSA Cope. Type *A. forcipata* Cope.

Hay, O. P. 1902 A, 597.
Abel, O. 1905 E, 92.
1913 B, 724.
1919 A, 767, fig. 578.
Eastman, C. R. 1907 C, 87.
Kellogg, R. 1928 A, 32.
Lönnberg, E. 1910 B, 250.
1911 A, 72.
Palmer, T. S. 1904 A, 106, 794.
True, F. W. 1907 B, 98.
1912 E, 780 (Anaplonassa).
Winge and Miller 1921 A, 91.
Zittel and Schlosser 1923 A, 491.

Anoplanassa forcipata Cope.

Hay, O. P. 1902 A, 597.
Abel, O. 1904 A, 4.
1905 E, 92.
Trouessart, E. L. 1905 A, 775.
True, F. W. 1907 B, 97, pls. i-iii.
Upper Miocene (Phosphate beds); South Carolina.

MESOPLODON Gervais. Type *Delphinus sowerbiensis* Blainv. = *Physeter bidens* Sowerby.

Hay, O. P. 1902 A, 597.
Abel, O. 1901 A, 14, pl. ii, figs. 8, 9.
1902 B, pl., figs. 4, 7.
1904 B, 745.
1905 A, 110.
1905 B, 202.
1905 E, 93.
1907 B, (77).
1908 B, 179.
1909 A, 243.
1912 F, 478, 685, figs. 364, 399.
1914 C, 389.
Allen, G. M. 1906 A, 357.
Anderson, R. J. 1901 A, 682.
1902 A, 1121, fig. 14.
Aurivillius, C. W. S. 1886 A, 1-40, pls. i, ii (Micropteron).
Beddard, F. E. 1900 A, 213, 317, figs. 16, 28.
1902 A, 369.
Bouvier, L. E. 1889 B, 302.
Cabrera, A. 1926 B.
Capellini, G. 1885 B, 291, pl. (Dioplodon, Mesoplodon).
Diener, C. 1909 A, 48.
Doran, A. H. G. 1878 A, 458, pl. lxiii.
Dumortier, B. C. 1839 A, 1-12, pls. i-iii ("delphinorhynque").
Eastman, C. R. 1907 B, 90.
Elliot, D. G. 1901 A, 17, fig. 5.
Fitzsimons, F. W. 1907 A, 247, figs. 1, 2.
Flower, W. H. 1878 A, 415, pls. lxxi-lxxiii; 4 text-figs.
Gaudry, A. 1892 B, 1283.
Gervais, P. 1852 A, 153, explan. pl. xxxvii; explan. pl. xl (Dioplodon).
1859 A, 289 (Dioplodon); 290 (Mesoplodon).
Giebel, C. G. 1855 A, 85, pl. xxxvii, fig. 11.
1883 A.
Gregory, W. K. 1920 A, 161.
Guérin, R. 1874 A, 67 (Mesoplodon, Dioplodon).
Hanke, H. 1915 A, 59, figs. 1, 2.
Harmer, S. F. 1915 A, 560.
1924 A, 541, pls. i-iv; text-figs. 1-3.
Heilprin, A. 1887 A, 342, 345.
Howell, A. B. 1927 A, 12.
Huxley, T. H. 1864 C, 4, 6 (Belemnoziphius).
Kampfen, P. N. 1905 A, 646.
Kellogg, R. 1928 A, 33, 61.
Kükenthal, W. 1908 A, 610.
1914 B, 93.
Kunze, A. 1912 A, 625.
Larger, R. 1913 A, 724.
Lockington, W. N. 1884 A, 183.
Lönnberg, E. 1910 B, 229.
1911 A, 35, 73.
Lydekker, R. 1887 B, 15.
1909 D, 27, fig. 11.
McIntosh, —— 1911 A, 90, 94.
Major, C. J. F. 1899 A, 500.
Marinelli, W. 1924 A, 39.
Miller, G. S. 1923 A, 35, pl. v, fig. 5.
1924 C, 515.
Newton, E. T. 1891 A, 72.
Owen, R. 1870 D, 1 (Ziphius, in part); 35 (Mesoplodon).
Palacký, J. 1902 C, 256.
Palmer, T. S. 1904 A, 415, 795.
Pütter, A. 1923 A, 224.
Reche, O. 1905 B, 170.
Reynolds, S. H. 1897 A, 427.
Sclater, P. L. 1897 A, 352.
Southwell and Harmer 1893 A, 275.
Taschenberg, O. 1899 A, 4621.
Trouessart, E. L. 1905 A, 777.
True, F. W. 1907 B, 99.
1909 C, 452.
1910 A, 3, pls. i-xiii.
1912 E, 780 (Belemnoziphius).
1913 A, 651.
Turner, W. 1880 A, 2, pls. i-iii.
1882 A, 458.
1886 A, 38.
1889 A, 1, fig. 1 (Micropteron).
1909 A, 687.
Van Beneden, P. J. 1880 A, 43.
1888 B, 95 (Micropteron).
Weber, M. 1904 A, 566, 573, 576, 578, text-fig. 420.
Weber and Abel 1928 A, 376, 393, 406, fig. 232.
Winge, H. 1919 A, 97.
Winge and Miller 1921 A, 44.
Zittel and Schlosser 1923 A, 491.

Mesoplodon longirostris.

Abel, O. 1905 A, 115 (Dioplodon prorops, Proroziphius chonops, P. macrops, as syns.).
1914 C, 382 (Ziphius longirostris).
Capellini, G. 1885 B, 294, pl. i, figs. 1-3.
Du Bus, B. 1867 A, 570 (Zyphius).
1868 A, 630 (Belemnoziphius recurvus).
Gervais, P. 1859 A, 297.
Huxley, T. H. 1864 C, 1, 7, pl. i (Belemnoziphius compressus).
Lydekker, R. 1887 B, 15, fig. 8 (This species?).
Newton, E. T. 1891 A, 72, pl. viii, fig. 7.
Trouessart, E. L. 1905 A, 777 (M. longirostris, M. prorops).
Van Beneden, P. J. 1880 A, 31.
Winge, H. 1910 A, 1.

Inasmuch as Dr. Abel has referred certain American species to *Mesoplodon longirostris* citations to its literature are made.

HYPEROÖDON Lacépède. Type *H. butskopf* Lacépède = *H. ampulatus* (Forster).

Lacépède, B. G. 1904, Hist. Nat. Cét., etc. XLIV, 319-324.
Abel, O. 1913 B, 724.
1914 A, 97.
Bouvier, E. L. 1892 A, 259, pls. vii, viii.
Braun, M. 1908 A, 407.
Burlet, H. M. 1917 A, 381.
Cabrera, A. 1926 B.
Carus, V. 1875 A, 170.
Carus and Engelmann 1861 A, 1750.
Cuvier, F. 1836 A, 241, pl. ix, figs. 1-3; pl. xvii, fig. 1.
Cuvier, G. 1825 A, v, pt. 1, 281, 324, pl. xxiv.
Doran, A. H. G. 1878 A, 457, pl. lxii.
Elliot, D. G. 1901 A, 15, pl. iv.
Eschricht, D. F. 1849 A, 21.
1869 A, 11, 12, pls. vi, vii.
Eudes-Deslongchamps, E. 1842 A, 1, pl. i.
Flower, W. H. 1867 A, 111, 115.
1882 C, 392, figs. 1, 2.
1883 B, 467.
1883 E, 722.
Flower and Lydekker 1891 A, 252, fig. 84.
Gervais, P. 1852 A, 155, explan. pl. xxxvii.
1859 A, 286.
Graves, R. J. 1831 A, 88.
Gray, D. 1883 A, 726, figs. 1-8.
Gray, J. E. 1846 A, 25, 52, pls. iii, iv.
1863 A, 200.
Guérin, R. 1874 A, 66.
Harmer, S. F. 1924 A, 543, 545, fig. 1.
Howell, A. B. 1927 A, 12.
Huxley, T. H. 1863 F, 636.
1870 F, 531.
Kampfen, P. N. 1905 A, 645.
Kellogg, R. 1928 A, 61, 197, 198.
Köstlin, O. 1844 A.
Kükenthal, W. 1891 C, 389.
1893 B, 56.
1900 A, 219, fig. 8.
Leunis and Ludwig 1883 A, 280.
Lockington, W. N. 1884 A, 183.
Lönnberg, E. 1924 A, 3.
Lull, R. S. 1917 B, 333.
Lydekker, R. 1887 A, 63.
1887 B, 14, pl. ii, fig. 6.
1909 D, 28, fig. 10.
McIntosh, — 1911 A, 90, 94.
Major, C. J. F. 1899 A, 500.
Meckel, J. F. 1825 A.
Miller, G. S. 1923 A, 26, 28, 30, 35, 52, pl. vii, fig. 4.
Newton, E. T. 1891 A, 69.
Nopcsa, F. 1923 B, 356.
Owen, R. 1845 F, 37.
1866 B, 418, 426, 429.
Palmer, T. S. 1904 A, 340, 795.
Pander and Alton 1827 A, 4, pls. v, vi.
Pompeckj, J. F. 1922 A, 83.
Probst, J. 1886 A, 111.
Reche, O. 1905 B, 167, fig. 13.
Reynolds, S. H. 1897 A, 448, 464, 489.
Rousseau, L. F. E. 1856 A, 13 ("hypéroodons").
Sclater, P. L. 1897 A, 352.
Taschenberg, O. 1899 A, 4596.
Thompson, W. 1838 A, 221.
Trouessart, E. L. 1905 A, 775.
True, F. W. 1910 A, 76, pl. xxxii.
Turner, W. 1886 A, 25, figs. 1-4.
1889 B, 19.
1909 A, 698.
Van Beneden, P. J. 1888 B, 33.
Van Beneden and Gervais 1880 A, 355, pls. xviii, xix, lxiii.
Wallace, A. R. 1876 A, II, 208.
Weber, M. 1886 A.
1904 A, 573, 576, 578.
Weber and Abel 1928 A 389 (table), 393.
Wilder, B. 1872 B, 316.
Winge, H. 1919 A, 99, 132.
Winge and Miller 1921 A, 44, 73.
Zittel, K. A. 1893 B, 178.

Hyperoödon sp. indet.

Dall, W. H. 1894 A, 297. Miocene; Massachusetts.
Lyell, C. 1843 C, 32. Miocene?; Massachusetts.
1845 B, I, 258, pl. v, figs. 2, 3 (Hyperoodon, "whale"). Miocene; Massachusetts.

DELPHINIDÆ Gray.

Gray, J. E. 1821 A, 310.
Hay, O. P. 1902 A, 593.
Abel, O. 1901 A, 35.
1901 B, 316 ("delphine").
1902 A, 170 ("delphinides").
1902 B, 523 ("delphinide").
1905 A, 43, 139.
Abel, O. 1905 B, 207.
1905 C, 376.
1907 G, 7 ("delphinen").
1908 B, 139 ("delphine").
1912 F, 196 ("delphinide").
1913 B, 725 (Delphinidæ).
Adloff, P. 1913 A, 238 ("meerschweinchen").

Adloff, P. 1913 C, 13 ("delphine").
Arldt, T. 1907 D, 650.
Bayer, F. 1897 A, 147 ("dauphins").
Beddard, F. E. 1900 A, 237, 314.
1902 A, 372.
Bonaparte, C. L. 1832 A, 293 (Delphinina).
Branca, W. 1908 C, 393 ("delphinide").
Burlet, H. M. 1913 A, 523 (Phocæna).
1913 C, 645 (Phocæna).
1916 A, 1-18, figs. 2, 5-7 (Phocæna).
1917 A, 377, fig. 1 (Phocæna).
Burmeister, H. 1869 A, 367 ("delfinides").
Cabrera, A. 1926 B, 404.
Carus, V. 1875 A, 169 (Delphinida).
Case, E. C. 1904 D, 5, 29.
Cuvier, F. 1825 A, 241 ("dauphins").
1836 A, 73 ("dauphins").
Cuvier, G. 1825 A, v, pt. 1, 273-328, pls. xxi-xxiv ("dauphins").
Denker, A. 1901 A, 658 (Phocæna).
Dollo, L. 1913 B, 616.
Doran, A. H. G. 1878 A, 459.
Eastman, C. R. 1906 E, 96.
Elliot, D. G. 1901 A, 18.
Fejérváry, G. J. 1920 A, 353.
Frassetto, F. 1903 A, 244.
Gervais, P. 1859 A, 299 ("delphinidés").
Giebel, C. G. 1883 A ("delphininen").
Gray, J. E. 1821 A, 310 (Delphinidæ).
1846 A, 24.
1863 A, 199.
1870 B, 391.
Harmer, S. F. 1924 A, 554.
Hensel, R. 1879 A, 529 ("delphine").
Hepburn, D. 1901 A, 681.
Hoernes, R. 1912 A, 661.
Huxley, T. H. 1863 F, 635 (Delphinoidea).
Jaekel, O. 1908 B, 464 ("delphine").
Kampfen, P. N. 1905 A, 636.
Kellogg, R. 1924 B, 8.
1927 A, 6.
1928 A, 33, 62.
Köstlin, O. 1844 A ("delphinen").
Kükenthal, W. 1908 A, 610 ("delphinide").
Leunis and Ludwig 1883 A, 277.
Lockington, W. N. 1884 A, 188.
Lönnberg, E. 1911 C, 14.
Lydekker, R. 1887 B, 13.
1899 A, 920.
1901 B, 652 ("dolphins").
McIntosh, — 1911 A, 85.
Martins, C. 1857 A, 69 ("dauphins").
Meckel, J. F. 1825 A ("delphinen").
Miller, G. S. 1923 A, 29, 34, 40.
1924 C, 507.
Owen, R. 1845 B, 350.
1845 F, 37.
1848 B, 58.
1868 A, 876.
1869 D, 17.
Palacký, J. 1902 C, 258 ("delphinide").
Palmer, W. 1915 A, 261 ("porpoises").
Pander and Alton 1827 A, 2.
Pictet, F. J. 1853 A, 381 ("delphinides").
Pompeckj, J. F. 1922 A, 87 ("delphiniden").
Probst, J. 1886 A, 127.
Reche, O. 1905 B, 187.
Rehs, J. 1914 A, 41.
Rogenhofer, A. 1908 A, (42), ("delphine").
Rousseau, L. F. E. 1856 A, 11 ("dauphins").
Rovereto, C. 1915 A, 139 ("delphines").
Sclater, P. L. 1897 A, 352.
Steinmann, G. 1908 A, 237.
1912 B, 721, 725.
Stromer, E. 1908 B, 170.
Taschenberg, O. 1899 A, 4538.
Terra, P. 1911 A, 343 (Delphinidæ).
Trouessart, E. L. 1905 A, 763.
True, F. W. 1906 B, 446.
1908 B, 289, 391.
1909 B, 329.
1911 A, 908.
1911 B, 38.
1912 C, 189.
1912 E, 779.
Turner, W. 1909 A, 697, 700.
Van Beneden and Gervais 1880 A, 521 ("delphinoides").
Vrolik, W. 1850 A, 597 (Delphinus).
Wagner, R. 1843 A ("delphinen").
Wallace, A. R. 1876 A, II, 208.
Weber, M. 1904 A, 577, 579.
Weber and Abel 1928 A, 389 (table), 393, 394.
Winge, H. 1919 A, 68, 87, 94, 104, 132.
Winge and Miller 1921 A, 11, 28, 46, 87.
Woodward, A. S. 1898 E, 330 ("porpoises").
Wright, G. F. 1911 B, 436 ("dolphins").
Zittel and Schlosser 1911 A, 408.
1923 A, 492.

DELPHININÆ Flower.

Flower, W. H. 1867 A, 115.
Hay, O. P. 1902 A, 593.
Abel, O. 1905 A, 140.
Flower, W. H. 1867 A, 115.
Gray, J. E. 1870 B, 392 (Globiocephalidæ).
Kellogg, R. 1928 A, 63.
Miller, G. S. 1923 A, 34, 40, 48.
Pompeckj, J. F. 1922 A, 88 (Beluginæ).
Reche, O. 1905 B, 190.
True, F. W. 1908 B, 391.
Weber, M. 1904 A, 577, 579.
Winge and Miller 1921 A, 32 (Delphini).

GLOBICEPHALA Lesson. Type *G. melæna* (Traill).

Lesson, R. P. 1828, Hist. Nat. Mamm., Oiseaux, etc., I, 441.
Unless otherwise indicated the following authors use the generic name *Globiocephalus.*
Abel, O. 1909 A, 248.
Beddard, F. E. 1900 A, 280, 315, fig. 37.
Braun, M. 1908 A, 400.
Burlet, H. M. 1917 A, 381.
Burmeister, H. 1869 A, 367, pl. xxi.
Cuvier, F. 1836 A, 190, pl. xiii (Phocæna).
Dollo, L. 1913 B, 616.
Doran, A. H. G. 1878 A, 460, pl. lxiii.
Elliot, D. G. 1901 A, 23.
Eschricht, D. F. 1849 A, 7 (Globiceps).

Flower, W. H. 1867 A.
1883 B, 508 (Globiceps).
1883 D, 399.
Flower and Lydekker 1891 A, 268.
Gervais, P. 1853 B, 37 (Delphinus).
Giebel, C. G. 1883 A, pl. lxviii.
Grant, R. E. 1833 A, 65 (Delphinus).
Gray, J. E. 1846 A, 32.
1863 A, 201.
1870 B, 392.
Guérin, R. 1874 A, 72.
Hase, A. 1913 A, 141, fig. 61.
Heilprin, A. 1887 A, 342.
Kampfen, P. N. 1905 A, 638.
Kehrer, F. A. 1896 A, 357, fig. 38.
Kellogg, R. 1928 A, 33, 63, 69, 194.
Kükenthal, W. 1888 A, 642, figs. 3, 4.
1891 C, 394.
1900 A, 230.
1908 A, 610.
Lebedinsky, N. G. 1917 A, 317, fig. 1.
Leboucq, H. 1889 A, 574.
Leche, W. 1900 A, 1026 (Beluga).
Le Damany, P. 1906 A, 64 ("globicephale").
Leunis and Ludwig 1883 A, 278.
Lockington, W. N. 1884 A, 187.
Lönnberg, E. 1910 B, 223.
1911 A, 26.
1911 C, 16, fig. 7.
1911 D, 14, figs. 11, 12.
Lull, R. S. 1917 B, 333.
Lydekker, R. 1887 A, 81.
1887 B, 16.
1909 D, 31, 37, fig. 17.
McIntosh, — 1911 A, 91.
Matthes, E. 1921 C.
Miller, G. S. 1923 A, 25.
1924 C, 512.
Murie, J. 1873 A, 235.
Newton, E. T. 1891 A, 77, pl. vii, figs. 5, 6; pl. viii, fig. 8.
Nopcsa, F. 1923 H, 161 (Globicephalus).
Oswald, F. 1911 A, 410.
Palacký, J. 1902 C, 261.
Palmer, T. S. 1904 A, 296, 792 (Globicephala).
Parker and Haswell 1897 A, 501, fig. 1081.
Pompeckj, J. F. 1922 A, 63, 71, 75.
Pouchet and Chabry 1884 A, 181 (Globiceps).
Reche, O. 1905 B, 190, fig. 22.
Reynolds, S. H. 1897 A, 354, 463, 506, figs. 67, 93.
Ryder, J. 1885 G, 1014.
1887 B, 442, pls. i, ii.
Sellards, E. H. 1916 B, 107.
Stannius, H. 1850 A, 508 (Delphinus).
Sterling, S. 1910 A, 180.
1910 B, 231.
1910 C, 669.
Taschenberg, O. 1899 A, 4585.
Trouessart, E. L. 1905 A, 771.
True, F. W. 1889 A, 10, 183.
Turner, W. 1909 A, 707.
Van Bambeke, C. 1868 A, 41 (Delphinus).
Van Beneden and Gervais 1880 A, 554, pls. li-liii.
Weber, M. 1886 A.
1904 A, 580.
Weber and Abel 1928 A, 369, 394, fig. 225.
Wilder, B. 1872 B, 316.
Winge and Miller 1921 A, 34, 70 (Globiceps).
Zittel, K. A. 1893 A, 161, 175, figs. 127, 128.

Globicephala bæreckeii (Sellards).

Sellards, E. H. 1916 B, 107, pl. xiv (Globicephalus).
Hay, O. P. 1923 A, 20, 378.
Pliocene or Pleistocene; Florida.

Lophocetus Cope. Type *Delphinus calvertensis* Harlan.

Hay, O. P. 1902 A, 590.
Abel, O. 1913 B, 723.
Case, E. C. 1904 D, 25.
Eastman, C. R. 1907 C, 79.
Kellogg, R. 1928 A, 33.
Palmer, T. S. 1904 A, 383, 797.
Trouessart, E. L. 1905 A, 761.
True, F. W. 1908 B, 390.
Weber, M. 1904 A, 574, 579 (Pontoporia).
Winge, H. 1919 A, 135.
Winge and Miller 1921 A, 85.

Lophocetus calvertensis (Harlan).

Hay, O. P. 1902 A, 590.
Case, E. C. 1904 D, 26, pl. xvi, fig. 1.
Eastman, C. R. 1907 C, 80, pls. i-iii; pl. iv, fig. 2; 2 text-figs.
Gervais, P. 1852 A, 188 (Delphinus).
Shattuck, G. B. 1904 A, xciv.
Van Beneden, P. J. 1880 A, 31 (Delphinus).
Upper Miocene (Calvert?); Maryland.

Delphinodon Leidy. Type *Squalodon mento* Leidy.

Hay, O. P. 1902 A, 591.
Abel, O. 1905 A, 41.
1914 A, 99.
Case, E. C. 1904 D, 27.
Dal Piaz, G. 1917 A, 3-34.
Kellogg, R. 1924 C, 763.
1928 A, 33.
Miller, G. S. 1923 A, 47, 49.
Palmer, T. S. 1904 A, 220, 797.
Stromer, E. 1915 A, 133.
Trouessart, E. L. 1905 A, 762.
True, F. W. 1911 B, 38.
1912 C, 165, 185, 188.
1912 E, 780.
Winge, H. 1919 A, 88.
Winge and Miller 1921 A, 30, 35.
Zittel and Schlosser 1923 A, 492.

Delphinodon? debilis (Leidy).

Hay, O. P. 1902 A, 589 (Squalodon).
Cope, E. D. 1867 C, 144 (Squalodon); 153 (Phocodon).
Kellogg, R. 1922 A, 127 (Squalodon).
1923 A, 3 (Squalodon); 13 (Delphinodon?).
Palacký, J. 1902 C, 256 (Squalodon).
Van Beneden, P. J. 1877 A, 28 (Phoca).
Edisto marl or Upper Miocene; South Carolina.

Delphinodon dividum True.

True, F. W. 1912 C, 188, pls. xvii-xxvi.
Kellogg, R. 1925 C, 3.
1925 D, 6.
1927 A, 1-42.
1928 A, 68.
Lydekker, R. 1913 A, 10.
Stromer, E. 1915 A, 133 (D. leidydividum).
Weber and Abel 1928 A, 408.
Middle Miocene (Calvert); Maryland.

Delphinodon leidyi (Hay).

Hay, O. P. 1902 A, 591.
Abel, O. 1905 A, 41.
Case, E. C. 1904 D, 29, pl. xvi, figs. 3-5.
Dal Piaz, G. 1917 A, 3.
Kellogg, R. 1922 A, 130.
Shattuck, G. B. 1904 A, xciv.
Trouessart, E. L. 1905 A, 762.
True, F. W. 1911 B, 38 (D. wymani).
1912 C, 186.
Middle Miocene (Calvert); Maryland.

Delphinodon mento Cope.

Hay, O. P. 1902 A, 591.
Abel, O. 1905 A, 41.
1905 E, 94.
Case, E. C. 1904 D, 28, pl. xvii, figs. 1, 2.
Dal Piaz, G. 1917 A, 3.
Shattuck, G. B. 1904 A, xciv.
True, F. W. 1911 B, 38.
1912 C, 186.
Van Beneden, P. J. 1877 A, 28.
Middle Miocene (Calvert); Maryland.

Delphinodon venustus (Leidy).

Hay, O. P. 1902 A, 591.
Clark and Miller 1912 A, 167, 168.
Middle Miocene (Calvert); Virginia.

KENTRIODON Kellogg. Type *K. pernix* Kellogg.

Kellogg, R. 1927 A, 4.
1928 A, 33, 68.

Kentriodon pernix Kellogg.

Kellogg, R. 1927 A, 4, pls. i-xiv; text-figs. 5-20.
1928 A, 68, fig. 10.
Weber and Abel 1928 A, 408.
Middle Miocene (Calvert); Maryland.

DELPHINAVUS Lull. Type *D. newhalli* Lull.

Lull, R. S. 1914 A, 211.
Kellogg, R. 1928 A, 33, 63.
Winge, H. 1919 A, 137.
Winge and Miller 1921 A, 87.
Zittel and Schlosser 1923 A, 492.

Delphinavus newhalli Lull.

Lull, R. S. 1914 A, 211, pl. viii; text-figs. 1-7.
Kellogg, R. 1928 A, 63.
Stromer, E. 1915 A, 138 (Delphinurus).
Lower Miocene; California.

DELPHINUS Linnæus. Type *D. delphis* Linnæus.

Hay, O. P. 1902 A, 593.
Abel, O. 1902 B, 518.
1909 A, 248.
1909 D, (225) ("delphin").
1912 F, 198, 513, 668.
1915 A, 415 ("delphin").
1921 A, 203, fig. 63.
Anderson, R. J. 1908 A, 547 ("dolphin").
Anthony, R. 1912 A ("dauphin").
Arldt, T. 1911 A, 217.
Beddard, F. E. 1900 A, 253, 314, figs. 9, 32.
1902 A, 377.
Bertelli, D. 1909 A, 158, fig. 3.
Beyer, H. 1908 A, 82 ("delphin").
Boenninghaus, G. 1904 A, 283, fig. 5.
Bouvier, L. E. 1889 B, 302.
Branca, W. 1908 C, 392 ("delphine").
Bronn, H. G. 1848 A, 408.
1849 A, 702.
Burlet, H. M. 1917 A, 376.
Cleland, J. 1863 A, 120 ("dolphin").
Cuvier, F. 1836 A, 122.
Cuvier, G. 1805 A.
1825 A, v, pt. 1, 295, 304, pl. xxi.
Denker, A. 1902 A, 431, 438.
Doran, A. H. G. 1878 A, 459, pl. lxiii.
Eastman, C. R. 1906 E, 96, pl. iii, fig. 32.
Eimer, G. H. T. 1901 A, 159, 191 ("delphine").
Elliot, D. G. 1901 A, 27.
Eschricht, D. F. 1849 A, 1.
Fuchs, H. L. 1914 A, 29 ("delphin").
Gervais, P. 1852 A, 147.
1859 A, 301.
Giebel, C. G. 1855 A, 84, pl. xxxvii.
1883 A, pls. xxxviii, lxxiv.
Gottlieb, H. 1914 A, 211.
Gray, J. E. 1846 A, 36, pls. x, xv-xxvi.
1863 A, 200.
1870 B, 391.
Guérin, R. 1874 A, 71.
Guldberg, G. 1894 A, 93.
Hanke, H. 1914 A, 506.
Hasse and Schwarck 1870 A, 145.
Heilprin, A. 1887 A, 342.
Hennicke, C. 1902 A, 160.
Kampfen, P. N. 1905 A, 638.
Kehrer, F. A. 1896 A, 357, fig. 39.
Kellogg, R. 1924 C, 756.
1928 A, 33, 36, 63.
Klaauw, C. J. 1924 B, 601.
Knox, R. 1831 A, 405.
Köstlin, O. 1844 A.
Kükenthal, W. 1908 A, 614.
1908 C, 242, fig. 1.
1909 A, 547.
1909 B, 9.
Larger, R. 1913 A, 721.
Lebouco, H. 1889 A, 573.
Leche, W. 1887 A.
Leunis and Ludwig 1883 A, 278.

Lockington, W. N. 1884 A, 189.
Lönnberg, E. 1910 B, 221.
1911 A, 23.
1911 C, 14.
Lucaę, J. C. 1875 A, 393.
Lull, R. S. 1914 A, 211.
Lydekker, R. 1909 D, 38, figs. 27, 28.
Mayer, A. F. 1849 A, 583.
Meckel, J. F. 1825 A.
Miller, G. S. 1923 A, 11, 27, pl. v, fig. 4.
1924 C, 508.
Mivart, St. G. 1871 B, 376.
Nopcsa, F. 1926 A, 637, text-fig. 2.
Osborn, H. F. 1910 B, 317, 562.
Owen, R. 1845 B, 350, pl. lxxxviii, fig. 2.
1868 A, 876.
1869 E, 17.
Palacký, J. 1902 C, 258.
Palmer, T. S. 1904 A, 221, 792.
Pander and Alton 1827 A, 5, pl. i.
Peter, K. 1924 B, 497, figs. 11, 12 ("meerschweine").
Pouchet and Chabry 1884 A, 181 ("dauphin").
Reche, O. 1905 B, 198, fig. 25.
Rehs, J. 1914 A, 41.
Retzius, A. 1837 A, 491, pl. xxii, fig. 4.
1849 A, 671.
Reynolds, S. H. 1897 A, 357, 448, 462.
Schlesinger, G. 1909 A, (141, 142).
Schwalbe, G. 1904 A, 207.
Steinmann, G. 1908 A, 247, fig. 155.
Sterling, S. 1910 A, 189, fig. 5.
1910 B, 231.
Symington, J. 1905 A, 107.
Toldt, C. 1905 A, 343, figs.
Trouessart, E. L. 1905 A, 765.
Turner, W. 1909 A, 700, figs. 4-6.
Van Bambeke, C. 1868 A, 22.
Wagner, R. 1843 A ("delphin").
Wallisch, W. 1922 A, 533, fig. 3 ("delphin").
Weber, M. 1886 A.
1904 A, 555, 574, 577, 580, fig. 411.
Weber and Abel 1928 A, 358, 395, fig. 217.
Wilder, B. 1872 B, 316.
1875 A, 107.
Winge, H. 1919 A, 91.
Winge and Miller 1921 A, 36.

Delphinus sp. indet.

Hay, O. P. 1902 A, 594.
Ducatel, J. T. 1837 A, 10, 11, 25, 34. Miocene (Calvert); Maryland.
Lyell, C. 1845 B. 1, 258, pl. v, figs. 4, 5 (Delphinus). Miocene; Massachusetts.

Phocæna Cuvier. Type *Delphinus Phocœna* Linnæus.

Cuvier, G. 1817, Nouv. Dict. Nat., éd. 2, ix, 163.
Allen, J. A. 1881 H, 399-562.
Palmer, T. S. 1904 A, 532, 793.
True, F. W. 1889 A, 117, pls. xxxv-xxxvii.
Weber, M. 1904 A, 574, 577, 579.
Weber and Abel 1928 A, 394, 408.

Phocæna occidua Jordan and Gilbert.

Jordan and Gilbert 1919 A, 59, pl. ix, fig. 2; pl. xxviii, figs. 1, 3 (Syn.? of Delphinus occiduus Leidy.
Palmer, W. 1922 A, 70 (P. occiduus).
Pliocene (Merced); California.

Agabelus Cope. Type *A. porcatus* Cope.

Hay, O. P. 1902 A, 593.
Beddard, F. E. 1900 A, 306.
Case, E. C. 1904 D, 9.
Kellogg, R. 1928 A, 33.
Palmer, T. S. 1904 A, 83, 797.
Steinmann, G. 1912 B, 725.
Trouessart, E. L. 1905 A, 762.
True, F. W. 1912 E, 780.
The family position of this genus is not well known.

Agabelus porcatus Cope.

Hay, O. P. 1902 A, 593.
Rhoads, S. N. 1903 A, 248.
Upper Miocene; New Jersey.

Tretosphys Cope. Type *T. gabbii* Cope.

Cope, E. D. 1868 I, 186, 190.
Hay, O. P. 1902 A, 591 (Priscodelphinus).
Kellogg, R. 1925 D, 7.
1928 A, 34.

Tretosphys gabbii Cope.

Hay, O. P. 1902 A, 591 (Priscodelphinus).
Abel, O. 1901 A, 61 (Priscodelphinus).
Case, E. C. 1904 D, 9, pl. x, fig. 6 (Priscodelphinus).
Kellogg, R. 1925 D, 7.
Shattuck, G. B. 1904 A, xciv (Priscodelphinus).
Middle Miocene (Calvert); Maryland.

Belosphys Cope. Type *B. spinosus* Cope.

Cope, E. D. 1875 H, 364.
Hay, O. P. 1902 A, 592 (Ixacanthus, in part).
Kellogg, R. 1925 C, 2.
1928 A, 33.

Belosphys atropius (Cope).

Hay, O. P. 1902 A, 592 (Ixacanthus).
Abel, O. 1901 A, 61 (Priscodelphinus).
Case, E. C. 1904 D, 18, pl. xiii, figs. 5, 6 (Ixacanthus).
Kellogg, R. 1927 A, 4 ("atropius").
Shattuck, G. B. 1904 A, xciv (Ixacanthus).
Middle Miocene (Calvert); Maryland.

Belosphys conradi (Cope).

Hay, O. P. 1902 A, 592 (Ixacanthus).
Abel, O. 1901 A, 61 (Priscodelphinus).
Case, E. C. 1904 D, 16 (Ixacanthus).
Clark and Miller 1912 A, 167, 168 (Ixacanthus).
Kellogg, R. 1927 A, 4 ("conradi").
Shattuck, G. B. 1904 A, xciv (Ixacanthus).
Middle Miocene (Calvert); Maryland.

Belosphys spinosus (Cope).

Hay, O. P. 1902 A, 592 (Ixacanthus).
Abel, O. 1901 A, 61 (Priscodelphinus).
Case, E. C. 1904 D, 17, pl. xiii, figs. 2-4 (Ixacanthus).
Kellogg, R. 1925 C, 8 (Ixacanthus).
1927 A, 4 ("spinosus").
Shattuck, G. B. 1904 A, xciv (Ixacanthus).
Middle Miocene (Calvert); Maryland.

ACRODELPHIS Abel. Type *Champsodelphis letochæ* Brandt.

Abel, O. 1899 A, 18.
1900 A, 850.
1905 A, 130.
1912 F, 467.
Eastman, C. R. 1907 C, 84, 85.
Kellogg, R. 1923 A, 33.
Trouessart, E. L. 1906, Rev. crit. Paléozool., x, 205.
True, F. W. 1912 E, 781.
Zittel and Schlosser 1911 A, 408.
1923 A, 491.

Acrodelphis sp. indet.

True, F. W. 1912 E, 781.
Middle Miocene (Calvert); Maryland.

CHAMPSODELPHIS Gervais. Type *Delphinus macrogenius* Fischer.

Hay, O. P. 1902 A, 590.
Abel, O. 1899 A, 8.
1900 A, 839, 840 (Champsodelphis).
1901 A, 47.
1905 A, 130 (Syn. of Acrodelphis).
1905 E, 91.
1913 C, 212.
Brandt, J. F. 1873 A, 262.
Cabrera, A. 1926 B, 405.
Capellini, G. 1887 A, 106.
Du Bus, B. 1872 A, 498.
Gervais, P. 1852 A, 152 pl. xli, fig. 5.
1859 A, 311, pl. xli, fig. 5 (Squalodon grateloupii).
Kellogg, R. 1924 C, 762.
1925 D, 4.
1928 A, 33, 67.
Miller, G. S. 1923 A, 48.
Pictet, F. J. 1853 A, 383.
Reche, O. 1905 B, 183.
Rovereto, C. 1915 A, 141 (Campsodelphis).
Trouessart, E. L. 1905 A, 758.
True, F. W. 1908 B, 388.
Van Beneden and Gervais 1880 A, 482, 496, pls. lvii, lix, lx.
Winge, H. 1919 A, 88, 136.
Winge and Miller 1921 A, 30, 35, 86.
Zittel and Schlosser 1911 A, 408 (Syn. of Acrodelphis).
1923 A, 490 (Syn. of Cyrtodelphis), 491 (Syn. of Acrodelphis).

Champsodelphis? acutidens (Cope).

Hay, O. P. 1902 A, 590.
Abel, O. 1901 A, 61 (Priscodelphinus).
Middle Miocene (Calvert); Maryland.

RHABDOSTEUS Cope. Type *R. latiradix* Cope.

Hay, O. P. 1902 A, 593.
Beddard, F. E. 1900 A, 306.
Kellogg, R. 1924 C, 763.
Palmer, T. S. 1904 A, 603, 797.
Trouessart, E. L. 1905 A, 763.
True, F. W. 1908 A, 24.
1912 E, 780.
Winge, H. 1919 A, 135.
Winge and Miller 1921 A, 85.

Rhabdosteus latiradix Cope.

Hay, O. P. 1902 A, 593.
Case, E. C. 1904 D, 24, pl. xv, figs. 1-4, 5?.
Gregory and Kellogg 1927 A, 4.
Kellogg, R. 1925 C, 1.
Shattuck, G. B. 1904 A, xciv.
True, F. W 1908 A, 24, pl. vi.
Middle Miocene (Calvert); Maryland.

CYRTODELPHIS Abel. Type *Delphinorhynchus sulcatus* Gervais.

Unless otherwise indicated the authors, as cited, use for this genus the name *Schizodelphis*.

Abel, O. 1899 A, 11, 12 (Cyrtodelphis).
1900 A, 839, 846, 859 (Cyrtodelphis).
1901 A, 47, pl. i, fig. 3; pl. ii, fig. 3; pl. v, figs. 1, 2 (Cyrtodelphis).
1902 A, 184 (Cyrtodelphis).
1905 A, 124, 126 (Cyrtodelphis).
1909 A, 247.
1912 G, 60.
Brandt, J. F. 1873 A, 253.
Cabrera, A. 1926 B, 405.
Capellini, G. 1887 A, 106.
Dal Piaz, G. 1905 A, 253, pls. xviii-xxi; text-figs. 17-26 (Cyrtodelphis).
Eastman, C. R. 1907 A, 83.
Gervais, P. 1861, Mém. Acad. Montpellier, v, pt. 1, 125.
Kellogg, R. 1924 C, 762, 763, 764.
1925 C, 3, 4.
1928 A, 33 (Cyrtodelphis).
Miller, G. S. 1923 A, 48 (Cyrtodelphis).
Palmer, T. S. 1904 A, 623, 798.
Paquier, V. 1894 A, 10.
Pompeckj, J. F. 1922 A, 88.
Probst, J. 1886 A, 118.
Trouessart, E. L. 1905 A, 758.

True, F. W. 1908 A, 451.
1909 C, 451.
Van Beneden and Gervais 1880 A, 503, pl. lvii.
Winge, H. 1919 A, 88, 136.
Winge and Miller 1921 A, 30, 35.
Zittel, K. A. 1890 A, 173.

Cyrtodelphis crassangulum (Cope).

Cope, E. D. 1895 A, 148 (Cetotherium).
Hay, O. P. 1902 A, 599 (Cetotherium leptocentrum, in part).
Case, E. C. 1904 D, 12, pl. xi, figs. 1-3 (Priscodelphinus?).
Gregory and Kellogg 1927 A, 4 (Schizodelphis).
Kellogg, R. 1925 C, 3 (Priscodelphinus?).
Lydekker, R. 1909 C, 458 (Priscodelphinus crassirostis).
Shattuck, G. B. 1904 A, xciv (Priscodelphinus?).
True, F. W. 1908 D, 451, 452, pls. lix, lx (Schizodelphis).
1910 B, 26 (Schizodelphis).
1912 E, 781 (Schizodelphis).
Middle Miocene (Calvert); Maryland.

Cyrtodelphis depressus (Allen).

Allen, G. M. 1921 A, 145, pl. ix, figs. 1-5 (Schizodelphis).
Case, E. C. 1904 D, 24, pl. xv, fig. 1 (Rhabdosteus latiradix. This species?).
Leidy, J. 1869 A, 434 (Tetrosphys grandævus, in part. This species?).
True, F. W. 1908 A, 28, figs. 1-3 (Priscodelphinus sp. This species?).
Miocene or Pliocene (Bone Valley); Florida: Miocene?; New Jersey?.

POMATODELPHIS Allen. Type *P. inæqualis* Allen.

Allen, G. M. 1921 A, 148.
Kellogg, R. 1928 A, 33, 67.

Pomatodelphis inæqualis Allen.

Allen, G. M. 1921 A, 148, pls. x, xi.
Kellogg, R. 1924 C, 765.
Miocene or Pliocene (Bone Valley); Florida.

EURHINODELPHINÆ Trouessart.

Trouessart, E. L. 1905 A, 761.
Abel, O. 1901 A, 60 (Eurhinodelphidæ).
1902 B, 523 ("eurhinodelphiden").
1905 E, 94 (Eurhinodelphidæ, Eurhinodelphinæ).
1909 A, 251 ("eurhinodelphiden").
1912 F, 467 ("eurhinodelphiden").
1913 B, 723.
1914 A, 96.
1919 A, 767.
Kellogg, R. 1925 C, 6.
Kellogg, R. 1928 A, 62.
Lydekker, R. 1909 D, 29.
Miller, G. S. 1923 A, 34, 40, 49 (Eurhinodelphininæ).
Palmer, T. S. 1904 A, 796.
True, F. W. 1908 B, 388, 391.
1912 E, 779.
Winge and Miller 1921 A, 31, 35 (Eurhinodelphini).
Zittel and Schlosser 1911 A, 408.
1923 A, 491.

ARGYROCETUS Lydekker. Type *A. patagonicus* Lydekker.

Lydekker, R. 1894 B, 125.
Cabrera, A. 1926 B, 405.
Lydekker, R. 1893 D, art. 2, 10.
Palmer, T. S. 1904 A, 120, 797.
Winge and Miller 1921 A, 31, 35.
Zittel and Schlosser 1911 A, 408.
1923 A, 491.

Argyrocetus? sp. indet.

True, F. W. 1912 E, 781.
Middle Miocene? (Calvert?); Maryland?

CETERHINOPS Leidy. Type *C. longifrons* Leidy.

Hay, O. P. 1902 A, 590.
Kellogg, R. 1925 C, 10.
1926 A, 7.
1928 A, 33.
Palmer, T. S. 1904 A, 174, 798.
Trouessart, E. L. 1905 A, 756.
True, F. W. 1907 A, 7 (Syn? of Squalodon).

Ceterhinops longifrons Leidy.

Hay, O. P. 1902 A, 590.
Kellogg, R. 1923 A, 3, 23.
1924 C, 761.
Upper Miocene (Edisto marl); South Carolina.

EURHINODELPHIS Du Bus. Type *E. cocheteuxii* Du Bus.

Du Bus, B. 1867 A, 569.
Abel, O. 1901 C, 316.
1902 B, 519.
1904 A, 184.
1905 E, 94.
1907 G, 27, fig. 27.
1909 A, 241.
1912 F, 467, 515, fig. 354.
1912 G, 60.
1913 B, 724, fig. 28.
Abel, O. 1921 A, 175.
1923 B, 271.
Beddard, F. E. 1900 A, 50, 51, fig. 11.
Brandt, J. F. 1873 A, 284.
Cabrera, A. 1926 B, 405.
Capellini, G. 1887 A, 108.
Eastman, C. R. 1907 C, 87.
Kellogg, R. 1924 C, 763, 764.
1925 C, 1-40.
1927 B.

Kellogg, R. 1928 A, 33, 46, 62, 63.
Lönnberg, E. 1911 A, 73 (Eurinodelphis).
Matsumoto, H. 1926 B, 21, pl. ix; text-fig. 3.
Miller, G. S. 1923 A, 26, 49.
Pompeckj, J. F. 1922 A, 58.
1925 A, 17.
Reche, O. 1905 B, 183.
Steinmann, G. 1912 B, 725.
Stromer, E. 1915 A, 137.
Trouessart, E. L. 1905 A, 751.
True, F. W. 1908 B, 388 (Eurinodelphis).
1909 C, 453.
1910 B, 22, 24.
1912 E, 780, 781.
Van Beneden and Gervais 1880 A, 492.
Weber and Abel 1928 A, 407, fig. 255.
Winge, H. 1919 A, 89.
Winge and Miller 1921 A, 31, 35.
Zittel and Schlosser 1911 A, 408.
1923 A, 491.

Eurhinodelphis bossi Kellogg.

Kellogg, R. 1925 C, 1-40, pls. i-xvii; text-figs. 1-4.
Gregory and Kellogg 1927 B, 5.
Kellogg, R. 1926 A, 16.
1928 A, 65, fig. 9.
True, F. W. 1912 E, 781 (E. sp. indet.).
Middle Miocene (Calvert); Maryland.

Eurhinodelphis sp. indet.

Hanna, G. D. 1923 A, 65 (Eurhinodelphia).
Miocene?; California.
Hay, O. P. 1927 D, 173, 174. Miocene?; California.

Ixacanthus Cope. Type *I. cœlospondylus* Cope.

Hay, O. P. 1902 A, 592.
Abel, O. 1909 A, 253.
Case, E. C. 1904 D, 15.
Kellogg, R. 1925 C, 2 (Ixacanthus).
1928 A, 33.
Lydekker, R. 1892 C, 562.
Palmer, T. S. 1904 A, 355, 797.
Trouessart, E. L. 1905 A, 762.
True, F. W. 1912 E, 780.
Van Beneden, P. J. 1880 A, 31 (Xacanthus).

Ixacanthus cœlospondylus Cope.

Hay, O. P. 1902 A, 592.
Case, E. C. 1904 D, 19, pl. xiv, figs. 1-2.
Rhoads, S. N. 1903 A, 249.
Shattuck, G. B. 1904 A, xciv.
Middle Miocene (Calvert); Maryland.

Priscodelphinus Leidy. Type *P. harlani* Leidy.

Hay, O. P. 1902 A, 591.
Abel, O. 1901 A, 61.
1909 A, 253.
1912 F, 467.
1914 A, 96.
Beddard, F. E. 1900 A, 306.
1902 A, 384.
Capellini, G. 1887 A, 107.
Du Bus, B. 1872 A, 492.
Heilprin, A. 1887 A, 345.
Kellogg, R. 1925 C, 2.
1928 A, 33.
Miller, G. S. 1923 A, 49.
Trouessart, E. L. 1905 A, 762.
True, F. W. 1908 A, 28, figs. 1-3.
1908 D, 449, 451.
1909 C, 447.
1912 E, 780.
Zittel and Schlosser 1923 A, 491.

Priscodelphinus grandævus Leidy.

Hay, O. P. 1902 A, 591.
Abel, O. 1901 A, 61.
Case, E. C. 1904 D, 15, pl. xii, fig. 1.
Kellogg, R. 1924 B, 27.
1925 C, 7.
Reche, O. 1905 B, 183, fig. 20.
Shattuck, G. B. 1904 A, xciv.
Stromer, E. 1908 B, 155.
True, F. W. 1908 A, 24, 28.
1908 D, 450.
Middle Miocene (Calvert); Maryland.

Priscodelphinus harlani Leidy.

Hay, O. P. 1902 A, 591.
Abel, O. 1901 A, 61.
Kellogg, R. 1925 C, 2 (P. harlini).
1927 A, 4 ("harlani").
Rhoads, S. N. 1903 A, 247.
True, F. W. 1908 D, 450.
Van Beneden, P. J. 1880 A, 31.
Upper Miocene; New Jersey.

Priscodelphinus lacertosus Cope.

Hay, O. P. 1902 A, 591.
Abel, O. 1901 A, 61.
Case, E. C. 1904 D, 11.
Rhoads, S. N. 1903 A, 247.
Shattuck, G. B. 1904 A, xciv.
Middle Miocene (Calvert); Maryland.

Priscodelphinus stenus Cope.

Hay, O. P. 1902 A, 593 (Ixacanthus).
Abel, O. 1901 A, 61.
Case, E. C. 1904 D, 16, pl. xiii, fig. 1 (Ixacanthus).
Kellogg, R. 1927 A, 3, text-figs. 3, 4.
Shattuck, G. B. 1904 A, xciv (Ixacanthus).
Middle Miocene (Calvert); Maryland.

Priscodelphinus uræus Cope.

Hay, O. P. 1902 A, 592.
Abel, O. 1901 A, 61.
Case, E. C. 1904 D, 13.
Rhoads, S. N. 1903 A, 247.
Shattuck, G. B. 1904 A, xciv.
Middle Miocene (Calvert and St. Mary's); Maryland: Miocene; New Jersey.

Priscodelphinus sp. indet.

Allen, G. M. 1921 A, 145 (Schizodelphis depressus?).

Matson and Clapp 1909 A, 136. Miocene? (Peace Creek); Florida.
Spencer, J. W. 1895 A, 137.
True, F. W. 1908 A, 24, fig. 1.

STENODELPHININÆ Miller.

Miller, G. S. 1923 A, 34, 40, 51.
Gregory and Kellogg 1927 A, 1.

LONCHODELPHIS G. M. Allen. Type *Delphinus occiduus* Leidy.

Allen, G. M. 1924 B, 194.
Kellogg, R. 1928 A, 34.

Lonchodelphis occiduus (Leidy).

Hay, O. P. 1902 A, 594 (Delphinus).
Allen, G. M. 1924 B, 194.
Eastman, C. R. 1907 C, 93; pl. iv, fig. 1 (Delphinus).
Gregory and Kellogg 1927 A, 1.
Pliocene (Merced); California.

STENODELPHIS Gervais. Type *Delphinus blainvillei* Gervais.

Gervais, P. 1847, D'Orbigny's Voy. dans l'Amér. Mérid., IV, pt. 2, Mamm. 31-32.
Abel, O. 1909 A, 252.
1909 B, 264.
Allen, G. M. 1921 B, 241.
Beddard, F. E. 1900 A, 180, 301.
Cabrera, A. 1926 B, 392.
Eastman, C. R. 1907 C, 79, 82.
Flower, W. H. 1867 A, 106, pl. xxviii (Pontoporia).
Gregory and Kellogg 1927 A, 3, 4 (Pontoporia, a syn.).
Kampfen, P. N. 1905 A, 643.
Kellogg, R. 1926 A, 8.
1928 A, 34, 71.
Lönnberg, E. 1910 B, 230, 250.
Lönnberg, E. 1911 A, 36.
Miller, G. S. 1923 A, 23, 25, 28, 35, pl. vi, fig. 2.
Rovereto, C. 1915 A, 141 (Syn. of Pontoporia).
Schlosser, M. 1899 I, 346.
Trouessart, E. L. 1905 A, 758.
True, F. W. 1908 A, 29.
1909 B, 329.
Winge and Miller 1921 A, 26, 28, 45 (Syn. of Pontoporia).

Stenodelphis sternbergi Gregory and Kellogg.

Gregory and Kellogg 1927 A, 1, figs. 1-3.
Kellogg, R. 1928 A, 71.
Pleistocene; California.

DELPHINAPTERINÆ Gill.

Gill, T. 1871 B, 124.
Hay, O. P. 1902 A, 594.
Elliot, D. G. 1901 A, 18.
Flower, W. H. 1867 A, 115 (Beluginae).
Frassetto, F. 1903 A, 244.
Kampfen, P. N. 1905 A, 636 (Delphinapteridæ).
Kellogg, R. 1923 A, 63.
Lönnberg, E. 1911 C, 14 (Delphinapteridæ).
Miller, G. S. 1923 A, 34, 40, 51.
Reche, O. 1905 B, 185 (Delphinapteridæ).
Rousseau, L. F. E. 1856 A, 13 ("delphinaptères").
Trouessart, E. L. 1905 A, 771.
True, F. W. 1908 B, 391.
Weber, M. 1904 A, 577, 579 (Delphinapteridæ).
Zittel and Schlosser 1911 A, 408 (Beluginæ).
1923 A, 491 (Beluginæ).

DELPHINAPTERUS Lacépède. Type *D. leucas* Pall.

Lacépède, B. G. E. 1804, Hist. Nat. Cétacés, Tableau etc., XLI, 243-249.
Hay, O. P. 1902 A, 594.
Abel, O. 1901 B, 311 (Beluga).
1909 A, 243 (Beluga).
1912 F, 467 (Beluga).
1914 A, 95 (Beluga).
Arldt, T. 1907 D, 38 (Beluga).
Beddard, F. E. 1900 A, 242, 314, fig. 16 (Beluga).
1902 A, 372.
Bouvier, L. E. 1889 B, 302 ("delphinaptère").
Braun, M. 1908 A, 402 (Beluga).
Doran, A. H. G. 1878 A, 460, pl. lxiii.
Eastman, C. R. 1906 E, 87.
Elliot, D. G. 1901 A, 19.
Eschricht, D. F. 1849 A, 7 (Beluga).
1869 A, 13, pl. viii.
Flower, W. H. 1867 A, 96 (Beluga).
Frassetto, F. 1903 A, 244, pl. xii, fig. 72.
Freund, L. 1906 A, 116 (Beluga).
Giebel, C. G. 1855 A, 84, pl. xxxv, figs. 10, 13.
Giebel, C. G. 1883 A, pl. xxxviii.
Gray, J. E. 1846 A, 29 (Beluga).
1863 A, 200 (Delphinapterus); 201 (Beluga).
1870 B, 392 (Beluga).
Guérin, R. 1874 A, 74.
Heilprin, A. 1887 A, 342.
Hennicke, C. 1902 A, 160 (Beluga).
Huxley, T. H. 1863 F, 636, fig. 63.
Kampfen, P. N. 1905 A, 637.
Kellogg, R. 1925 C, 2, 16.
1928 A, 34, 69.
Kükenthal, W. 1893 B, 56, pl. iii (Beluga).
1909 A, 556 (Beluga).
Leboucq, H. 1889 A, 574 (Beluga).
Leunis and Ludwig 1883 A, 278 (Beluga).
Lockington, W. N. 1884 A, 184.
Lönnberg, E. 1910 B, 251.
1911 A, 30, 74.
1911 C, 1-18.
McIntosh, —— 1911 A, 89.
Miller, G. S. 1923 A, 27, 51.

Miller, G. S. 1924 C, 513.
Osburn, R. C. 1903 A, 656.
1906 A, 452, 454.
Oswald, F. 1911 A, 410.
Palmer, T. S. 1904 A, 220, 792.
Pander and Alton 1827 A, 5 (Beluga).
Perkins, G. H. 1910 A, 150.
Probst, J. 1886 A, 130 (Delphinus, Beluga).
Pycraft, W. P. 1909 A, 204 (Beluga).
Rovereto, C. 1915 A, 141 (Beluga).
Ryder, J. 1887 B, pl. ii (Beluga).
Sclater, P. L. 1897 A, 353.
Steinmann, G. 1908 A, 246.
1912 B, 725.
Sterling, S. 1910 A, 180.
1910 C, 669.
Trouessart, E. L. 1905 A, 771.
True, F. W. 1908 B, 389.
1909 B, 329.
Wallace, A. R. 1876 A, II, 209 (Beluga).
Watson and Young 1879 A, 393.
Weber, M. 1904 A, 573, 577, 579.
Weber and Abel 1928 A, 216, 393.
Weber and Burlet 1927 A, 133 (Beluga).
Wiman, C. 1913 A, 153.
Winge, H. 1919 A, 89, 104.
Winge and Miller 1921 A, 31, 35, 46, 73, 80.

Delphinapterus leucas Pallas.

Pallas, P. S. 1776, Reise Russ. Reiches, III, 85, footnote.
Hay, O. P. 1902 A, 594.
Abel, O. 1901 A, 35.
1909 A, 248 (Beluga).
1912 F, 196 (Beluga).
Allen, J. A. 1903 A, 119.
Ardley, E. 1916 A, 490 (Beluga catodon).
Beddard, F. E. 1900 A, 244.
1902 A, 373.
Braun, M. 1907 A, 402.
1909 A, 409.
Brown, R. 1868 A, 551 (Beluga catodon).
Burlet, H. M. 1917 A, 381.
Coleman, A. P. 1901 C, 217, 219, 224 (Beluga catodon).
Collett, R. 1906 A, 16.
Cuvier, F. 1836 A, 199, pl. xvi (Phocæna).
Cuvier, G. 1825 A, v, pt. 1, 297, 302, pl. xxii.
Eastman, C. R. 1906 E, 89, figs. A-F.
Elliot, D. G. 1901 A, 19, pl. v.
Fischer, E. 1903 A, 709 (Beluga).
Fischer, J. B. 1829 A, 513 (Delphinus).
Gray, J. E. 1846 A, 29 (Beluga catodon).
Hay, O. P. 1923 A, 483.
Hitchcock, E. Jr. 1861 A, 165.
Honeyman, D. 1888 A, 139 ("Beluga." This species?).
Hubbard, O. P. 1887 A, 242 ("whale." This species?).
Kükenthal, W. 1888 A, 638, figs. 1, 2 (Beluga).
1900 A, 224, fig. 9.
Kunze, A. 1912 A, 608, figs. N, O.
Lambe, L. M. 1904 C, 30, 39, 50.
1910 C, 273.
1912 A, 14.
1914 F, 299.
Lockington, W. N. 1884 A, 184.
Lönnberg, E. 1910 B, 225, 252, fig. 6.
1911 C, 1-18, figs. 1-4.
Lydekker, R. 1909 D, 32.
Major, C. J. F. 1899 A, 500 ("Delphinapterus").
Miller, G. S. 1924 C, 513.
Newton, E. T. 1891 A, 79.
Osburn, R. C. 1906 A, pl. ix, fig. 35.
Owen, R. 1845 B, 351 (Delphinus).
1868 A, 877 (Delphinus).
Palacký, J. 1902 C, 258.
Pander and Alton 1826 A, 10, pl. vii (Delphinus).
Reche, O. 1905 B, 186, 216.
Selwyn, A. R. C. 1887 A, 46 (D. catodon).
Stansfield, J. 1915 A, 67 (Beluga catodon).
Steinmann, G. 1908 A, 246, fig. 153.
Struthers, J. 1895 A, 124, pl. iv.
Taschenberg, O. 1899 A, 4538.
Taylor, F. B. 1908 A, 652 ("whale").
Trouessart, E. L. 1905 A, 772.
True, F. W. 1909 B, 325, pl. xxiii.
Turner, W. 1909 A, 711.
Watson and Young 1879 A, 393, pls. vii, viii.
Weber, M. 1886 A.
Whiteaves, J. F. 1906 A, 171.
Wyman, J. 1863 A, 603, pl. xiii (Beluga).

Recent; Arctic seas south to Cape Cod: Pleistocene (Late); Canada.

Delphinapterus orcina Cope.

Hay, O. P. 1902 A, 594.

Miocene; North Carolina.

Delphinapterus ruschenbergeri (Cope).

Hay, O. P. 1902 A, 592 (Priscodelphinus).
Abel, O. 1901 A, 61 (Priscodelphinus).
Case, E. C. 1904 D, 10, pl. x, figs. 7, 8. (Priscodelphinus).
Kellogg, R. 1927 A, 1, text-figs. 1, 2.
Shattuck, G. B. 1904 A, xciv (Priscodelphinus).

Middle Miocene (Calvert); Maryland.

Delphinapterus vermontanus (Thompson).

Hay, O. P. 1902 A, 594.
Ami, H. M. 1897 A, 25 (Beluga).
Baldwin, S. P. 1894 A, 173 (Beluga).
Billings, E. 1870 A, 438 (Beluga).
Dana, J. D. 1863 F, 919 (Beluga).
1896 A, 983, fig. 1561.
Dawson, J. W. 1872 B, 403 (Beluga).
1872 C, 99 (Beluga).
1894 C, 177, 268 (Beluga).
Hager, A. D. 1861 A, 938, fig. 340.
Hay, O. P. 1923 A, 483.
Hitchcock, E. 1861 B, 162.
Kellogg, R. 1925 D, 7.
Packard, A. S. 1867 A, 261 (Beluga).
Peet, C. E. 1904 A, 462 (Beluga).
Perkins, G. H. 1908 A, 76, pls. x-xvi.
1910 A, 161, pls. v-viii.
1910 B, 55, pls. iii, iv.
Whiteaves, J. F. 1906 A, 171.
1907 A, 214 (Beluga).

Pleistocene (Late Wisconsin); Vermont: Ontario; Quebec.

Delphinapterus sp. indet.

Hay, O. P. 1923 A, 289. Pleistocene (Late Wisconsin); New Brunswick.

Matthew, G. F. 1879 A, 23 (Beluga sp.). Pleistocene (Leda clay); New Brunswick.

MONODONTINÆ Miller.

Miller, G. S. 1923 A, 34, 40, 51.
Gray, J. E. 1821 A, 310 (Monodontidæ).
Kellogg, R. 1928 A, 63.
Terra, P. 1911 A, 343 (Monodontidæ).

MONODON Linnæus. Type *M. monoceros* Linnæus.

Hay, O. P. 1902 A, 594.
Abel, O. 1901 B, 311.
1909 A, 251.
1912 F, 467, 686.
1914 A, 95.
Beddard, F. E. 1902 A, 373.
Braun, M. 1908 A, 404.
Bronn, H. G. 1848 A, 741.
1849 A, 702.
Cuvier, F. 1825 A, 245, pl. cii ("narwals").
1836 A, 230.
Cuvier, G. 1805 A.
Doran, A. H. G. 1878 A, 461, pl. lxiii.
Elliot, D. G. 1901 A, 18.
Eschricht, D. F. 1849 A, 7.
Fischer, J. B. 1829 A, 516.
Gervais, P. 1859 A, 319.
Giebel, C. G. 1855 A, 84.
1883 A, 271.
Giglioli, E. H. 1872 A, 10.
Gray, J. E. 1846 A, 29.
1863 A, 201 (Monoceros).
Guérin, R. 1874 A, 73.
Heilprin, A. 1887 A, 344.
Hennicke, C. 1902 A, 160 ("narwal").
Howes, G. B. 1903 A, 329, fig. 3.
Kellogg, R. 1928 A, 34.
Köstlin, O. 1844 A.
Kükenthal, W. 1909 A, 556.
Larger, R. 1913 A, 727.
Leboucq, H. 1889 A, 574.
Leche, W. 1900 A, 1027.
Leunis and Ludwig 1883 A, 280.
Lockington, W. N. 1884 A, 184.
McIntosh, —— 1911 A, 90.
Martins, C. 1857 A, 69 ("narval").
Meckel, J. F. 1825 A.
Miller, G. S. 1923 A, 26, 27, 29, 51.
1924 C, 514.
Osburn, R. C. 1906 A, 454.
Owen, R. 1868 A, 893, fig. 220.
Palmer, T. S. 1904 A, 431, 793.
Perkins, G. H. 1910 A, 150.
Pictet, F. J. 1853 A, 384.
Retzius, A. 1849 A, 670.
Reynolds, S. H. 1897 A, 357, 427.
Rovereto, C. 1915 A, 141.
Ryder, J. 1887 B, 466.
Sclater, P. L. 1897 A, 353.
Smith, G. E. 1903 A, 329, fig. 3.
Sterling, S. 1910 A, 180.
1910 B, 231.
Trouessart, E. L. 1905 A, 772.
True, F. W. 1908 B, 389.
Wagner, R. 1843 A.
Weber, M. 1886 A.
1904 A, 573, 577, 579.
Weber and Abel 1928 A, 389 (table), 393.
Weber and Burlet 1927 A, 133.
Wherry, G. 1902 A, 974 ("narwhal").
Winge, H. 1919 A, 90, 94.
Winge and Miller 1921 A, 31, 35, 46, 80.

Monodon monoceros Linnæus.

Hay, O. P. 1902 A, 594.
Abel, O. 1901 A, 34.
1901 B, 311.
1902 B, 518.
1909 A, 248.
Beddard, F. E. 1902 A, 373.
Brandt and Woldrich 1887 A, 121.
Brown, R. 1868 A, 552.
Cuvier, F. 1836 A, 230, 380, pl. xvii.
Cuvier, G. 1825 A, v, pt. 1, 319, 349 ("narval").
Elliot, D. G. 1901 A, 19, fig. 6.
Fischer, J. B. 1829 A, 516.
Gervais, P. 1859 A, 319.
Gray, J. E. 1846 A, 29.
1870 B, 392.
Hay, O. P. 1923 A, 19, 289.
Kellogg, R. 1928 A, 203, fig. 23.
Knox, R. 1831 A, 401, pl. xv, figs. 1-6.
Kükenthal, W. 1900 A, 227, fig. 12.
Larger, R. 1913 A, 729.
Lataste, F. 1887 A, 267.
Lockington, W. N. 1884 A, 184, fig. 100.
Lönnberg, E. 1911 A, 30, fig. ("narhval").
Lydekker, R. 1909 D, 33, fig. 12.
Major, C. J. F. 1899 A, 500 ("Monodon").
Miller, G. S. 1924 C, 514.
Mulder, C. 1835 A, 65, pl. ii.
Newton, E. T. 1882 A, 109, pl. ix, fig. 2.
1891 A, 78.
Osburn, R. C. 1906 A, pl. viii, figs. 30, 32.
Palacký, J. 1902 C, 259.
Pander and Alton 1826 A, 10, pl. vi.
1827 A, 3, pl. v ("narwal").
Perkins, G. H. 1908 A, 102, pls. xvii-xx ("Monodon").
1910 A, 150, pls. i-iv.
Porsild, M. P. 1922 A, 8, pl. i.
Reche, O. 1905 B, 185, 212.
Rousseau, L. F. E. 1856 A, 15.
Ryder, J. 1887 B, 466 (M. communis).
Smith, G. E. 1903 B, 50, fig. 3 ("Monodon").
Sterling, S. 1910 B, 235.
Taschenberg, O. 1899 A, 4626.
Turner, W. 1909 A, 712, fig. 10.
Van Bambeke, C. 1868 A, 46, fig.
Weber, M. 1904 A, 566, fig. 421.
Weber and Abel 1928 A, 371, 377, 385, figs. 227, 234, 239.
Ziegler, H. E. 1901 A, 237 ("narhal").

Recent; Arctic seas: Pleistocene; New Brunswick, Ontario.

PLATANISTIDÆ Flower.

Flower, W. H. 1867 A, 113.
Hay, O. P. 1902 A, 590.
Abel, O. 1900 A, 839 ("platanistiden").
1901 A, 35.
1902 B, 523 ("platanistiden").
1905 A, 43.
1905 E, 94.
1912 F, 467.
1913 C, 221.
1914 A, 96 (Platanistinæ).
Allen, G. M. 1921 B, 240.
Anderson, J. 1879 A, 417-550, pls. xxv-xli; text-figs. 14-20 (Platanista).
Arldt, T. 1907 D, 674.
Beddard, F. E. 1900 A, 293, 318.
1902 A, 380.
Case, E. C. 1904 D, 5, 8.
Cuvier, F. 1836 A, 251 ("platanistes").
Dal Piaz, G. 1916 A, 4.
Doran, A. H. G. 1878 A, 462.
Eastman, C. R. 1907 C, 86.
Kampfen, P. N. 1905 A, 643.
Kellogg, R. 1928 A, 34, 174.
Lockington, W. N. 1884 A, 190.
Lydekker, R. 1892 C, 562.
Miller, G. S. 1923 A, 33, 40, 53.
Pompeckj, J. F. 1922 A (Platiniste).
Probst, J. 1886 A, 117 (Delphinorhynchidæ).
Reche, O. 1905 B, 176.
Steinmann, G. 1908 A, 248 ("platanistiden").
1912 B, 725 ("platanistiden").
Sterling, S. 1910 B, 231.
Stromer, E. 1908 A, 83.
1908 B, 174 ("platanistiden").
Trouessart, E. L. 1905 A, 756.
True, F. W. 1912 E, 779.
Van Beneden and Gervais 1880 A, 454, pls. xxx-xxxiii ("platanistes").
Weber, M. 1904 A, 574, 576, 578, 579, text-fig. 426 (Platanista, Platanistidæ).
Weber and Abel 1928 A, 389 (table), 392, 407.
Winge, H. 1919 A, 68, 83, 86, 104, 120.
Winge and Miller 1921 A, 11, 25, 28, 45.

PLATANISTINÆ.

Hay, O. P. 1902 A, 590.
Eastman, C. R. 1907 C, 86.
Flower, W. H. 1867 A, 114.
Gray, J. E. 1846 A, 24, 45 (Platanistina).
Guérin, R. 1874 A, 67.
Trouessart, E. L. 1905 A, 757.

ZARHACHIS Cope. Type *Z. flagellator* Cope.

Hay, O. P. 1902 A, 592.
Beddard, F. E. 1900 A, 306 (Zarrhachis).
1902 A, 384 (Zarrhachis).
Kellogg, R. 1924 B, 2.
1924 C, 763.
1926 A, 2.
1928 A, 34, 46, 174.
Palmer, T. S. 1904 A, 713, 798.
Reche, O. 1905 B, 183.
Trouessart, E. L. 1905 A, 762.
True, F. W. 1912 E, 780.

Zarhachis flagellator Cope.

Hay, O. P. 1902 A, 592.
Case, E. C. 1904 D, 20, pl. xiv, fig. 3.
Kellogg, R. 1924 B, 2, pls. i-iv; pl. vii, figs. 2, 4, 6, 8; pl. viii, figs. 2, 4, 5; pls. ix-xviii.
1924 C, 763.
1925 D, 4.
1926 A, 2, pls. i-v.
Kellogg, R. 1928 A, 174, 202, figs. 12, 22.
Shattuck, G. B. 1904[3] A, xciv.
Middle Miocene (Calvert); Maryland.

Zarhachis tysonii Cope.

Hay, O. P. 1902 A, 592.
Case, E. C. 1904 D, 22.
Kellogg, R. 1924 B, 3.
Shattuck, G. B. 1904 A, xciv.
Middle Miocene (St. Mary's); Maryland.

Zarhachis velox Cope.

Hay, O. P. 1902 A, 592.
Kellogg, R. 1924 B, 3.
Rhoads, S. N. 1903 A, 248.
Upper Miocene (Kirkwood); New Jersey.

Platanistid sp. indet.

Sellards, E. H. 1915 D, 32. Pliocene; Florida.

PHYSETERIDÆ Gray.

Gray, J. E. 1821 A, 310.
Hay, O. P. 1902 A, 595 (Physeteridæ, Physeterinæ).
Abel, O. 1902 A, 170 ("physétérides").
1905 A, 39, 51.
1905 B, 204 ("physétérides").
1905 C. 375 ("physétérides").
1905 E, 84 ("physeteriden").
1909 A, 247 ("physeteriden").
1912 F, 466, 511 ("physeteriden").
1913 B, 723.
1914 A, 94.
1914 C, 389.
1919 A, 763.
Arldt, T. 1907 D, 673.
Beddard, F. E. 1900 A, 182, 318.
1902 A, 362 (Physeteridæ); 363 (Physeterinæ).
Burmeister, H. 1868 A, 308 (Catodontidæ); 309 (Physeteridæ).
Cabrera, A. 1926 B, 406.
Carus, V. 1875 A, 171 (Physeterina).
Case, E. C. 1904 D, 5, 30.
Cuvier, F. 1836 A, 259 ("cachalots").
Eastman, C. R. 1906 E, 76, 95.
Elliot, D. G. 1901 A, 14.
Gervais, P 1859 A, 284 ("physétéridés").
Gray, J. E. 1863 A, 199 (Catodontidæ).
1868 C, 246 ("spermwhales").
1870 B, 391.

Guérin, R. 1874 A, 65.
Hoernes, R. 1912 A, 661.
Jaekel, O. 1908 B, 464 ("physeteriden").
Kampfen, P. N. 1905 A, 645.
Kellogg, R. 1925 B, 2.
1928 A, 34, 176.
Lockington, W. N. 1884 A, 191.
Lydekker, R. 1887 B, 13.
Miller, G. S. 1923 A, 29, 33, 40, 44.
Owen, R. 1866 B, 419.
1869 D, 30.
Palacký, J. 1902 C, 257 ("physeteriden").
Pictet, F. J. 1853 A, 386 ("physétérides").
Pompeckj, J. F. 1922 A, 84 ("physeteriden").
Reche, O. 1905 B, 162 (Physeteridæ, Physeterinæ).
Ritchie and Edwards 1913 A, 166.
Roger, O. 1896 A, 80 (Physeterinæ).
Steinmann, G. 1908 A, 237 (Physeteridæ).
1912 B, 721 (Physeteridæ).
Stromer, E. 1908 B, 170.
Terra, P. 1911 A, 344.
Trouessart, E. L. 1905 A, 772 (Physeteridæ, Physeterinæ).
True, F. W. 1908 B, 387, 388, 391 (Physeteridæ); 391 (Physeterinæ).
1912 E, 779.
Van Beneden, P. J. 1877 B, 851 ("cachalots").
Van Beneden and Gervais 1880 A, 302 ("cachalots").
Weber, M. 1904 A, 576, 578 (Physeteridæ, Physeterinæ).
Weber and Abel 1928 A, 389 (table), 392.
Winge, H. 1919 A, 68, 95, 101.
Winge and Miller 1921 A, 11, 37, 46, 87 (Physeteridæ, Physeterini).
Zittel and Schlosser 1911 A, 407 (Physeteridæ, Physeterinæ).
1923 A, 490 (Physeteridæ, Physeterinæ).

Aulophyseter Kellogg. Type *A. morricei* Kellogg.

Kellogg, R. 1927 B, 4.
1928 A, 34, 46.

Aulophyseter morricei Kellogg.

Kellogg, R. 1927 B, 4, pls. i-ix.
1928 A, 177, fig. 14.
Middle Miocene (Temblor); California.

Idiophyseter Kellogg. Type *I. merriami* Kellogg.

Kellogg, R. 1925 B, 16, 18.
1928 A, 34.

Idiophyseter merriami Kellogg.

Kellogg, R. 1925 B, 16, 18, pl. i; pl. ii, fig. 2; pl. iii, fig. 2; text-figs. 1-4.
1927 B, 6, 11.
Middle Miocene (Temblor); California.

Orycterocetus Leidy. Type *O. quadratidens* Leidy.

Hay, O. P. 1902 A, 595 (Orycterocetus); 596 (Hypocetus).
Allen, G. M. 1921 A, 154.
Arldt, T. 1907 D, 82 (Hypocetus).
Case, E. C. 1904 D, 32 (Orycterocetus); 30 (Hypocetus).
Kellogg, R. 1928 A, 34.
Palmer, T. S. 1904 A, 483, 795.
True, F. W. 1912 E, 780.

Orycterocetus cornutidens Leidy.

Hay, O. P. 1902 A, 595.
Case, E. C. 1904 D, 32, pl. xvii, fig. 7 (O. crocodilinus).
Shattuck, G. B. 1904 A, xciv (O. crocodilinus?).
Middle Miocene (Calvert); Maryland, North Carolina.

Orycterocetus mediatlanticus (Cope).

Hay, O. P. 1902 A, 596 (Hypocetus).
Allen, G. M. 1921 A, 154, pl. ix, fig. 6; pl. xii.
Case, E. C. 1904 D, 30, pl. xvii, figs. 6*a*, 6*b* (Hypocetus mediatlanticus); explan. pls. p. 9 (H. atlanticus).
Kellogg, R. 1924 C, 765 (Diaphorocetus).
1925 B, 10, 11, 13, 31 (Paracetus, Orycterocetus).
1927 B, 7 (Orycterocetus).
1928 A, 177 (Orycterocetus).
Miller, G. S. 1923 A, 45 ("Paracetus").
Sellards, E. H. 1915 D, 102, 103, fig. 32 ("cetacean").
Shattuck, G. B. 1904 A, xciv (Hypocetus).
Trouessart, E. L. 1898 A, 1053.
True, F. W. 1908 B, 387 ("Paracetus").
Miocene (St. Mary's); Maryland: Miocene or Pliocene (Bone Valley); Florida.

Orycterocetus quadratidens Leidy.

Hay, O. P. 1902 A, 596.
Clark and Miller 1912 A, 167, 168.
Gidley, J. W. 1911 A, 436 (Physeter vetus? or Physeterula neolassicus?).
Hay, O. P. 1923 A, 370.
Kellogg, R. 1925 B, 10, 11.
Upper Miocene; Virginia, North Carolina.

Hoplocetus Gervais. Type *H. crassidens* Gervais.

Gervais, P. 1852 A, 161, explan. pl. xx.
Hay, O. P. 1902 A, 596.
Cabrera, A. 1926 B, 406.
Gervais, P. 1859 A, 318, pl. xx.
Kellogg, R. 1925 B, 1, 2, 5.
Kellogg, R. 1928 A, 34.
Palmer, T. S. 1904 A, 331, 745.
Trouessart, E. L. 1905 A, 772.
Winge, H. 1910 A, 1.
1919 A, 69, 100, 103.

Winge and Miller 1921 A, 42.
Zittel and Schlosser 1911 A, 407 (Syn. of Scaldicetus).
1923 A, 490 (Syn. of Scaldicetus).

Hoplocetus obesus Leidy.

Hay, O. P. 1902 A, 596.
Abel, O. 1905 A, 59 (Syn. of Scaldicetus caretti).
Kellogg, R. 1925 B, 8, 9.
Pleistocene? (Ashley River); South Carolina.

BALÆNODON Owen. Type *B. physaloides* Owen.

Owen, R. 1846 B, 536.
Hay, O. P. 1902 A, 595 (Hoplocetus).
Abel, O. 1905 A, 52 (Scaldicetus, Dinoziphius as syn.).
1905 E, 90 (Scaldicetus).
1912 G, 67 (Scaldicetus).
1913 B, 723 (Scaldicetus).
1919 A, 763, fig. 571*b* (Scaldicetus).
Du Bus, B. 1867 A, 568 (Scaldicetus).
Kellogg, R. 1925 B, 1, 2 (Balænodon).
1928 A, 34.
Lydekker, R. 1887 A, 58.
1887 B, 14 (Scaldicetus, a syn.).
Owen, R. 1860 E, 342, fig. 107.
Palmer, T. S. 1904 A, 131, 794 (Balænodon); 620, 796 (Scaldicetus).
True, F. W. 1908 B, 387 (Scaldicetus).
Van Beneden and Gervais 1880 A, 342, pl. xx.
Winge and Miller 1921 A, 42 (Syn. of Hoplocetus).
Zittel, K. A. 1893 B, 251 (Syn. of Balænoptera).
Zittel and Schlosser 1911 A, 407 (Scaldicetus).
1923 A, 490 (Scaldicetus).

Balænodon physaloides Owen.

Owen, R. 1846 B, 536, figs. 219, 226, 227.
Abel, O. 1905 A, 56, 57, 59, figs. 1, 2 (Scaldicetus caretti).
Lydekker, R. 1886 B, 318.
1887 A, 58.
Newton, E. T. 1891 A, 66, pl. vii, figs. 2-3*b*.
Trouessart, E. L. 1898 A, 1054 (Hoplocetus).
1905 A, 773 (Hoplocetus); 774 (Physeter? carolinensis).
Van Beneden and Gervais 1880 A, 343.
Miocene: European; American?

Balænodon sp. indet.

Abel, O. 1919 A, 763 (Scaldicetus). Miocene and Pliocene; Europe and North America.
Hanna. G. D. 1923 A, 65, pl. ix, figs. *a*, *b*, *d* (Scaldicetus). Miocene?; California.
True, F. W. 1908 B, 387 (Scaldicetus). Miocene of North America.

GRAPHIODON Leidy. Type *G. vinearius* Leidy.

Hay, O. P. 1902 A, 590.
Kellogg, R. 1928 A, 34.
Palmer, T. S. 1904 A, 299, 798.
True, F. W. 1907 A, 7.
1912 E, 780.

Graphiodon vinearius Leidy.

Hay, O. P. 1902 A, 590.
Merrill, G. P. 1907 A, 37.
Miocene (Gay Head); Massachusetts.

ONTOCETUS Leidy. Type *O. emmonsi* Leidy.

Hay, O. P. 1902 A, 596.
Kellogg, R. 1925 A, 3.
1925 B, 2, 12.
1928 A, 34.
Palmer, T. S. 1904 A, 475, 795.

Ontocetus emmonsi Leidy.

Hay, O. P. 1902 A, 596.
Emmons, E. 1860 A, 219, fig. 187.
Kellogg, R. 1925 A, 6.
1925 B, 11, 12.
Miocene; North Carolina.

Ontocetus oxymycterus Kellogg.

Kellogg, R. 1925 A, 2, pls. i, ii.
1925 B, 30, pl. vii; pl. ix, fig. 1.
1927 B, 11.
1928 A, 179.
Matsumoto, H. 1926 B, 17, pl. viii; text-fig. 1 (This species?).
Middle Miocene or later; California, Japan?.

DINOZIPHIUS Leidy. Type *D. carolinensis* Leidy.

Hay, O. P. 1902 A, 595 (Physeter, in part).
Abel, O. 1905 A, 56, 57 (Syn. of Balænodon).
Allen, G. M. 1926 A, 463 (Physeter).
Kellogg, R. 1925 B, 8, 9.
1928 A, 34.

Dinoziphius carolinensis Leidy.

Hay, O. P. 1902 A, 595 (Physeter).
Abel, O. 1905 A, 56, 57, figs. 1, 2 (Syn. of Balænodon physaloides).
Kellogg, R. 1925 B, 8, 9.
Trouessart, E. L. 1905 A, 773 (Physeter).
Upper Miocene; South Carolina.

PHYSETER Linnæus. Type *P. catodon* Linnæus.

Hay, O. P. 1902 A, 595.
Abel, O. 1907 G, 26, fig. 26.
1908 B, 171.
Abel, O. 1909 A, 243.
1912 F, 466, 511, 692.
1914 C, 389.

Arldt, T. 1911 A, 217.
Beddard, F. E. 1900 A, 192, 318, figs. 9, 24, 25.
1919 A, 129.
1923 B, 1-32.
Bennett, F. D. 1840 A, 153.
Bronn, H. G. 1849 A, 702.
Burlet, H. M. 1917 A, 381.
Cuvier, F. 1825 A, 246, pl. ciii ("cachalots").
1836 A, 259.
Cuvier, G. 1803 A, 166 ("cachalot").
1805 A.
1825 A, v, pt. 1, 328, 342, pl. xxiv ("cachalot").
Deinse, A. B. 1916 B, 521, figs. 1-4.
Doran, A. H. G. 1878 A, 456, pl. lxii.
Elliot, D. G. 1901 A, 14.
Eschricht, D. F. 1849 A, 7.
Fischer, J. B. 1829 A, 517.
Flower, W. H. 1867 A, 105.
Gervais, P. 1852 A, 156, 188.
1859 A, 284.
Giebel, C. G. 1855 A, 85.
1883 A, pls. lxviii, lxxiv.
Giglioli, E. H. 1872 A.
Gray, J. E. 1846 A, 21 (Catodon); 53 (Physeter).
1863 A, 199.
1870 B, 391.
Guérin, R. 1874 A, 65.
Harmer, S. F. 1924 A, 554.
Heilprin, A. 1887 A, 342.
Houssay, F. 1910 A, 15.
Huxley, T. H. 1863 F, 635, fig. 62.
Kampfen, P. N. 1905 A, 645.
Kehrer, F. A. 1896 A, 357, fig. 36.
Kellogg, R. 1925 A, 5.
1925 B, 118.
1927 B.
1928 A, 34, 46, 179, 198.
Köstlin, O. 1844 A.
Kükenthal, W. 1908 A, 610.
1914 B, 84, pl. iii *b*, figs. 34-36; pl. iii *c*, fig. 38.
Larger, R. 1913 A, 708, 727.
Leche, W. 1887 A.
Leunis and Ludwig 1883 A, 281.
Lillie, D. G. 1910 A, 788.
Lockington, W. N. 1884 A, 191.
Lönnberg, E. 1911 C, 18 ("cachalot").
1911 D, 11, figs. 8-10.
McIntosh, —— 1911 A, 91.
Meckel, J. F. 1825 A.
Miller, G. S. 1923 A, 25, 32, 35, pl. iii, fig. 5; pl. vi, fig. 1.
1924 C, 507.
Mivart, St. G. 1871 B, 376.
Newton, E. T. 1886 B, 320.
Owen, R. 1845 F, 37.
1866 A, 363.
Palacký, J. 1902 C, 257.
Palmer, T. S. 1904 A, 536, 796.
Pander and Alton 1827 A, 5.
Pictet, F. J. 1853 A, 386.
Pompeckj, J. F. 1922 A, 67, 71, 88.
Rafinesque, C. S. 1832 B, 112 (Nephrosteon).
Reynolds, S. H. 1897 A, 426, 444, 448, 464, 505.
Ritchie and Edwards 1913 A, 166.
Rousseau, L. F. E. 1856 A, 16.
Ryder, J. 1887 B, 429.
Sclater, P. L. 1897 A, 352.
Steinmann, G. 1908 A, 244, fig. 149.
Trouessart, E. L. 1905 A, 775.
True, F. W. 1909 C, 455.
Van Beneden, P. J. 1888 B, 11.
Wallace, A. R. 1876 A, I, 112.
Weber, M. 1886 A.
1904 A, 573, 576, 578.
Weber and Abel 1928 A, 366, 393, fig. 223.
Wilder, B. 1872 B, 316.
Winge, H. 1919 A, 101.

Physeter catodon Linnæus.

Unless otherwise indicated, the writers as cited employ the name *P. macrocephalus*.

Hay, O. P. 1902 A, 595.
Abel, O. 1901 B, 311.
1902 B, 523.
1908 A, 475, fig. 20.
1908 B, 171, figs. 44-51.
1912 F, 196, fig. 134.
1919 A, 765, fig. 573.
1926 B, 409.
Beddard, F. E. 1902 A, 363.
1919 A, 129, pl. xxiii; text-figs. 1-13.
1923 A, 641.
1923 B, 1, figs. 1-13.
Bennett, T. D. 1836 A, 127.
1837 A, 39 ("cachalot").
1840 A, 153, fig.
Cuvier, F. 1836 A, 286, pl. xix.
Eastman, C. R. 1906 E, 83.
Elliot, D. G. 1901 A, 15, fig. 4.
Fischer, J. B. 1829 A, 517.
Gervais, P. 1852 A, 156.
1859 A, 285.
Giebel, C. G. 1855 A, 85, pl. xxxv, figs. 10, 12.
Gray, J. E. 1846 A, 21 (Catodon).
Hentschel, E. 1910 A, 417, figs. 1, 2.
Kampfen, P. N. 1905 A, 645.
Kellogg, R. 1925 B, 17, 25, 29 (P. catodon).
1927 B, 6 (P. catodon).
1928 A, 30, 176, 180, fig. 14.
Lockington, W. N. 1884 A, 191, figs. 96-99, 106, 107.
Lönnberg, E. 1910 B, 226 (P. catodon).
1911 A, 32 (P. catodon).
Lull, R. S. 1917 A, 477.
Lydekker, R. 1909 D, 22, fig. 8.
Miller, G. S. 1924 C, 507 (P. catodon).
Moodie, R. L. 1923 B, 228, fig. 21, pl. xlvi.
Newton, E. T. 1886 B, 323, pl. xi.
Owen, R. 1868 A, 900.
1869 D, 35.
Pander and Alton 1827 A, 5, pl. 5.
Reche, O. 1905 B, 162, fig. 10.
Ritchie and Edwards 1913 A, 166, figs. 1-3.
Trouessart, E. L. 1905 A, 775.
Van Beneden, P. J. 1888 B, 11.
Recent in warm seas: Pleistocene?; Louisiana. Not certainly found fossil.

Physeter vetus (Leidy).

Leidy, J. 1869 A, 437 (Catodon).
Hay, O. P. 1902 A, 595.
Berry, E. W. 1917 C, 461.
Clark and Miller 1912 A, 167, 168.

Hay, O. P. 1923 A, 493.
Holmes, F. S. 1860 A, vi, pl. xxiv, figs. 8, 9 ("spermwhale").
Rhoads, S. N. 1903 A, 248.
Pleistocene; South Carolina: Miocene (Calvert); Virginia.

Physeter sp. indet.

Leidy, J. 1869 A, 436 (Catodon vetus). Miocene; Virginia.
1877 A, 217, pl. xxx, figs. 7-11 ("cetacean teeth").
The teeth here described may belong in fact to some other genus or other genera.

Superorder UNGULATA Gray.

Gray, J. E. 1821 A, 305.
Hay, O. P. 1902 A, 601.
Abel, O. 1906 A, 56 ("ungulaten").
1913 B, 729, 730.
1914 A, 57, 121.
1919 A, 787.
1920 A, 430.
Ameghino, F. 1889 A, 1027.
1901 A, 349 ("ongulés").
1902 D, 419 ("ongulés").
1905 A, 19 ("ungulados").
Arldt, T. 1907 A, 239, 243.
1907 B, 452 ("ungulaten").
1907 D, 687.
Baird, S. F. 1876 A, 305.
Bardeleben, K. 1904 A, 111 ("hufthiere").
Bardenfleth, K. S. 1913 A, 84.
Beddard, F. E. 1902 A, 195.
Bensley, B. A. 1901 C, 252.
Beyer, H. 1908 B ("huftiere").
Black, N. 1900 A, 12.
Blainville, H. M. D. 1819 A, 41 ("ongulés").
Bluntschli, H. 1912 B, 365 ("huftiere").
1913 A, 42 ("ungulaten").
Bonaparte, C. L. 1832 A, 291.
Bradley, O. C. 1906 B, 529 ("ungulates").
Braus, H. 1906 A, 265 ("ungulaten").
Broom, R. 1911 C, 319.
Burmeister, H. 1879 B, 450.
Case, E. C. 1898 C, 830.
Caush, D. E. 1904 A, 157.
Chandler, A. C. 1914 B, 134.
Clark and Sonntag 1926 A, 481, 482.
Cope, E. D. 1885 BB, 72 (Diplarthra).
1885 EE, 607 ("hoofed animals").
Delafontaine, M. 1875 A, 171 ("ongulés").
Dependorf, T. 1907 C, 108 ("ungulaten").
Disselhorst, R. 1906 A, 321 ("ungulaten").
Dollo, L. 1889 E, 188 ("ongulés").
1889 G, 675 ("ongulés").
Doran, A. H. G. 1878 A, 419.
Eggeling, H. 1904 A, 99 ("hufthiere").
Eimer, G. H. T. 1901 A, 258 ("huftiere").
Elliot, D. G. 1901 A, 33.
Fairchild, H. L. 1894 A, 206.
Fischer, E. 1903 A, 694 ("ungulaten").
Flower, W. H. 1873 B, 96.
1892 A, 12.
Frassetto, F. 1903 A, 183.
1915 A ("ungulati").
Frech, F. 1906 A, 497 ("huftiere").
Frey, H. 1911 A, 416.
Fuchs, H. 1909 B, 142.
1914 A, 32 ("ungulaten").
Gadow, H. 1902 B, 347.
Gaudry, A. 1901 B, 100 ("ongulés").
Geoffroy St. Hilaire, E. F. 1824 F, 80 ("mammifères à sabots").
Gervais, P. 1852 A, 42 ("ongulés").
1853 B, 50 ("ongulés").
Ghigi, A. 1900 B, 99 ("ungulati").
Giebel, C. G. 1878 C, 853 ("ungulaten").
1883 A ("hufthiere").
Gottlieb, H. 1914 A, 189.
Gray, J. E. 1825 B, 342.
Gregory, W. K. 1910 A, 18, 30, 342-353, 354-406, 409, 466.
1912 F, 269 ("ungulates").
1922 A, 110 ("ungulates").
1925 A, 751 ("ungulates").
Gregory and Camp 1918 A.
Haeckel, E. 1868 A, 476 ("ungulaten").
1873 A, 544, 554.
Hay, O. P. 1912 D, 579.
1914 A, 143.
Hayek, H. 1926 A, 177 ("huftiere").
Heilprin, A. 1887 A, 373.
Hensel, R. 1879 A, 554 ("ungulaten").
Hilzheimer, M. 1913 A, 570.
Hoernes, R. 1886 A, 665.
Hogben, L. T. 1919 A, 74, 75 ("ungulates").
Hrdlička, A. 1920 A, 463 ("ungulates").
Huxley, T. H. 1856 A, 53.
1856 B, 191 ("ungulates").
1863 F, 580.
1868 C, 314.
1870 F, 537.
1880 E, 459 ("ungulates").
Jaekel, O. 1911 A, 237 (Ungulati).
Kampfen, P. N. 1905 A, 573.
Kingsley, J. S. 1925 A, 213, 296.
Knottnerus-Meyer, T. 1907 A, 1, 96, 101.
Koken, E. 1893 B, 481, 500 ("hufthiere").
1901 B, 222 ("hufthiere").
Laloy, L. 1907 A, 584 ("ongulés").
Lankester, E. R. 1908 A, 327.
Lataste, F. 1887 A, 266 ("ongulés").
Lavocat, A. 1885 A, 47 ("ongulés").
Leche, W. 1887 A.
1900 A, 1032.
1907 A, 50.
Lobley, J. L. 1908 A, 195.
Loomis, F. B. 1910 C, 294.
Lull, R. S. 1917 B, 295, 322, 338.
Lydekker, R. 1902 B, 375 ("ungulates").
1903 D, 123 ("ungulates").
1907 B, 1.
1913 B, 1.
Major, C. J. F. 1880 A, 21 ("ungulaten").
1899 B, 66.
Matthew, W. D. 1904 D, 816.
1910 G, 152 ("ungulates").
1915 A, 187 ("ungulates").
Mettam, A. E. 1894 A, 341 ("ungulates").
Middleton, J. 1844 A, 286.
Mivart, St. G. 1878 B, 282 ("hoofed beasts").

O'Harra, C. C. 1910 A, 88.
1920 A, 90.
Osborn, H. F. 1898 S, 684.
1899 J, 415.
1907 G, 67, 76, 83, 101, 163.
1909 D, 86 (Herbivora); 137 (Ungulata).
1910 D, 737.
1912 D, 596 ("hoofed mammals").
1925 C, 749 ("ungulates").
1925 F, 961 ("hoofed animals").
Owen, R. 1857 E.
1858 A, 26.
1868 A, 913.
Palacký, J. 1902 B, 142 ("ungulaten").
1903 B, 303.
Paquier, V. 1894 A, 20 ("ongulés").
Paramore, R. H. 1910 A, 1460.
Parker and Haswell 1897 A, 452, 504.
Pavlow, M. 1903 B, 200 ("ongulés").
Popowa, N. 1913 A, 280 ("ungulaten").
Puccioni, N. 1908 A, 41.
Rafinesque, C. S. 1815 A, 52 (Podoplia).
Reynolds, S. H. 1897 A, 501, 514, 519, 558.
Rosenberg, A. 1873 A, 120.
Roth, S. 1903 A, 1-36.
Schlosser, M. 1899 I, 349 ("ungulaten").
1900 C, 133 ("ungulaten").
1903 A, 288 ("ongulés").
Schmidt, O. 1886 A, 126.
Schwalbe, G. 1904 A, 208 ("ungulaten").
Schwarz, E. 1924 A, 419.
Sclater, P. L. 1875 A, 209.
Scott, W. B. 1896 C, 308.
1896 D, 57.
1913 A, 513, 516, 692.
Sedgwick, A. 1894 A, 43 ("ungulates").
Seeley, H. G. 1878 A, 224.
Sefve, I. 1913 A, 362 ("ungulaten").
Smith, G. E. 1907 A, 163 ("ungulate").
Spurrell, H. G. F. 1906 A, 123 (Herbivora).
Steinmann, G. 1907 A, 479.
1909 A, 81 ("huftiere").
Strecker, C. 1887 A, 312 ("hufthiere").
Stromer, E. 1902 B, 559, 561 ("ungulaten").
1912 A, 193.
1924 A, 255 ("huftiere").
Taschenberg, O. 1899 A, 4334.
Terra, P. 1911 A, 305.
Tims, H. W. 1905 B, 1786 ("ungulates").
Tredgold, A. F. 1897 A, 295.
Underhill, B. M. 1910 A, 78 ("ungulates").
Vallois, H. V. 1921 B, 975 ("ongulés").
Van Bemmelen, J. F. 1918 A, 570 ("ungulates").
Van den Broeck, A. J. P. 1912 A, 782.
Van den Broeck, E. 1900 A, 61 ("ongulés").
Wallace, A. R. 1876 A, I, 503; II, 211, 226, 542.
Weber, M. 1886 A, 232, 240.
Weber and Abel 1928 A, 410, 426, 897.
Weber and Burlet 1927 A.
Wilckens, O. 1911 A, 708 ("huftiere").
Wilder, B. 1875 A, 107.
Wincza, H. 1890 A, 647 ("ungulaten").
Winge, H. 1906 A.
Woodward, A. S. 1897 C, 380.
1917 D, lxxi.
Worthmann, F. 1922 A, 307 ("huftiere").
Wortman, J. L. 1902 A, xiii, 45.
1920 A, 16.
1921 A, 181 ("ungulates").
Wright, R. R. 1883 A, 233.
Zietzschmann, O. 1917 A, 434 ("huftiere").
Zittel, K. A. 1895 A, 310 ("ungulates").
1897 A, 133 ("hufthiere").
Zittel and Schlosser 1911 A, 435.
1923 A, 519.

Order CONDYLARTHRA Cope.

Hay, O. P. 1902 A, 801.
Abel, O. 1904 B, 741.
1920 A, 430, 433 (Condylarthra, Protungulata).
1926 H, (160) (Protungulata).
1928 B, 21.
Abel and Cook 1925 A, 33.
Ameghino, F. 1889 A, 1009 (Condilarthra).
1893 D, 15.
1897 B, 261.
1901 A, 375.
1904 B, 52.
1905 C, 351, 403.
1906 A, 293 ("condylarthres").
Andrews, C. W. 1908 D, 45.
Anderson, R. J. 1912 D, 253.
Arldt, T. 1907 A, 241, 244.
Bardenfleth, K. S. 1913 A, 84.
Beddard, F. E. 1902 A, 202.
Behlen, H. 1906 A, 194 ("condylarthren").
Bensley, B. A. 1901 C, 252.
Branca, W. 1907 A, 9.
Brown, A. E. 1904 B, 55.
Case, E. C. 1898 C, 831.
Chardin, P. T. 1920 A, 1161 ("condylarthrés").
Clark and Sonntag 1926 A.
Cope, E. D. 1885 BB, 73.
Cope, E. D. 1885 EE, 607.
1891 N, 79, 90.
Depéret, C. 1902 A, 324 ("condylarthrés").
1904 B, 16, 23, 43 ("condylarthrés").
1905 C, 703 ("condylarthrés").
1907 B ("condylarthrés").
1908 A, 111.
1912 A, 706 ("condylarthrés").
Earle, C. 1897 B, 311.
Fairchild, H. L. 1894 A, 207.
Fischer, E. 1903 A, 694, 713.
Gawrilenko, A. 1924 A, 222 ("condylarthren").
Granger, W. 1915 A, 329.
Gregory, W. K. 1910 A, 99, 351, 354, 358, 359, 437, 446, 456, 466.
1912 F, 290 ("condylarths").
1920 A, 176, 245.
Gregory and Hellman 1926 A, 11, 12 ("condylarths").
Heilprin, A. 1887 A, 368.
Hescheler, K. 1906 A, 30.
Hilzheimer, M. 1913 A, 567.
Hubrecht, A. A. W. 1897 A, 8.
Jaekel, O. 1911 A, 238 (Condylarthri).
Kampfen, P. N. 1905 A, 627.
Kingsley, J. S. 1925 A, 215.
Koken, E. 1893 B, 481.

Kraglievich, L. 1926 C, 75, 77.
Leche, W. 1887 A.
Lönnberg, E. 1910 B, 238.
1911 A, 59.
Loomis, F. B. 1922 A, 62.
1926 A, 76.
Lull, R. S. 1907 A, 163.
1917 B, 552.
Major, C. J. F. 1899 B, 68.
Matthew, W. D. 1906 B, 358.
1909 C, 92, 94, 102.
1909 D, 333, 551.
1910 G, 156.
1915 A, 256, fig. 28.
1915 E, 311.
1916 I, 109.
1917 A, 577.
1921 D, 212, 214.
1926 C, 154.
1928 B, 948, 968.
Osborn, H. F. 1898 U, 686.
1899 J, 415.
1902 E, 356, fig. 1.
1905 H, 207, fig. 2.
1905 I, 99.
1906 C, 851.
1907 G, 14, 168.
1909 D, 123.
1910 B, 610.
1925 B, 18.
Palacký, J. 1903 B, 304, 306.
Parker and Haswell 1897 A, 455.
Reynolds, S. H. 1897 A, 502, 537, fig. 107.
Schapiro, B. 1913 A, 220.
Schlosser, M. 1898 B, 360, 362, 367.
1899 I, 349.
1900 B, 304.
1902 I, 738, 746.
1904 C, 97 ("condylarthren").
1911 A, 135 ("condylarthren").
1921 A, 135.
Schwarz, E. 1924 A, 419.
Scott, W. B. 1896 C, 308.
1913 A, 678.
Seeley, H. G. 1886 A, 466, 551 (Condylarthra); 466 (Taxeopoda).
Shufeldt, R. W. 1889 D, 24.
Steinmann, G. 1907 A, 486.
1908 A, 233 ("condylarthren").
1912 A, 719.
Stromer, E. 1902 B, 556, 561 ("condylarthren").
1912 A, 208, 244.
Terra, P. 1911 A, 306.
Thacker, A. G. 1922 A, 603.
Trouessart, E. L. 1905 A, 568.
Underhill, B. M. 1910 A, 84.
Weber, M. 1904 A, 586, 588, 691 (Condylarthra); 586 (Protungulata).
Weber and Abel 1928 A, 90, 412, 426, 626 (Protungulata).
Winge, H. 1906 A, 68, 69, 78.
Woodward, A. S. 1898 D, 329, 335.
Woodward, H. 1904 B, 152.
Zierler, F. E. 1905 A, 514.
Zittel, K. A. 1895 A, 310.
1897 A, 133.
Zittel and Schlosser 1911 A, 437.
1923 A, 521, 667.

PHENACODONTIDÆ Cope.

Hay, O. P. 1902 A, 602 (Phenacodontidæ); 650 (Eohyidæ).
Abel, O. 1913 B, 729, 736.
1914 A, 121, 142, 150.
1919 A, 798.
Ameghino, F. 1901 A, 375.
1906 A, 295.
Arldt, T. 1907 A, 244.
1907 D, 673 (Phenacodidæ).
1912 A, 702, 703.
Behlen, H. 1906 A, 194 ("phenacodontiden").
Depéret, C. 1904 B, 43 ("phénacodidés").
1905 C, 703 ("phénacodidés").
Fischer, E. 1903 A, 721.
Granger, W. 1915 A, 329.
Gregory, W. K. 1910 A, 357.
1920 A, 246.
Matthew, W. D. 1909 C, 92, 94, 102.
1909 D, 512.
1914 B, 387.
Matthew, W. D. 1915 E, 311.
1921 D, 212, 214.
Osborn, H. F. 1909 D, 133.
1910 B, 110, 111, 138, 172, 546.
Palacký, J. 1903 B, 304 ("phenacodontiden").
Schlosser, M. 1898 B, 362, 367, 370.
1900 B, 304.
Scott, W. B. 1913 A, 457.
Seeley, H. G. 1886 A, 468, 521.
Stehlin, H. G. 1906 A, 637 ("phenacodontiden").
Trouessart, E. L. 1905 A, 573.
Weber, M. 1904 A, 692.
Weber and Abel 1928 A, 426, 629.
Winge, H. 1906 A, 69, 79.
Wortman, J. L. 1921 A, 187 ("phenacodonts").
Zierler, F. E. 1905 A, 514.
Zittel and Schlosser 1911 A, 439.
1923 A, 523, 602, 665, 666.

OXYACODON Osborn and Earle. Type *O. apiculatus* Osborn and Earle.

Hay, O. P. 1902 A, 602.
Haug, E. 1911 A, 1527.
Matthew, W. D. 1909 C, 101.
Palmer, T. S. 1904 A, 491, 812.
Schlosser, M. 1898 B, 364.
1900 B, 303.
Zittel and Schlosser 1911 A, 438.
1923 A, 522.
The position of this genus is uncertain.

Oxyacodon agapetillus (Cope).

Hay, O. P. 1902 A, 602.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 38.
Trouessart, E. L. 1904 A, 43.
Paleocene (Puerco); New Mexico.

Oxyacodon apiculatus Osborn and Earle.

Hay, O. P. 1902 A, 602.
Gardner, J. H. 1910 A, 730.

TETRACLÆNODON Scott. Type *Mioclænus floverianus* Cope.

Unless otherwise indicated the authors, as quoted, use for this genus the name *Euprotogonia.*

Hay, O. P. 1902 A, 603 (Tetraclænodon).
Abel, O. 1913 B, 736 (Tetraclænodon).
1914 A, 148, fig. 103 (Tetraclænodon).
1926 B, 411.
Ameghino, F. 1901 A, 375.
1904 A, 530.
1905 A, 33.
1905 C, 405.
1906 A, 295.
Beddard, F. E. 1902 A, 204.
Bensley, B. A. 1901 C, 252.
Clark and Sonntag 1926 A, 460, 479.
Depéret, C. 1908 A, 111.
1912 A, 706.
Floderus, M. 1910 A, 97.
Gidley, J. W. 1912 B, 180.
1919 A, 274 (Euprotogonia).
Granger, W. 1915 A, 332, figs. 1, 2 (Tetraclænodon).
1917 A, *passim* (Tetraclænodon); 827 (Euprotogonia).
Gregory, W. K. 1910 A, 354, 437, 446.
1912 F, 270, 288.
1920 A, 245 (Euprotogonia. Tetrachodon, *err. typ.*).
Haug, E. 1911 A, 1528.
Lull, R. S. 1917 B, 554.
Matthew, W. D. 1904 D, 814.
1906 B, 358.
1909 C, 102.
1924 E, 749.
1928 B, 955, fig. 5.
Osborn, H. F. 1898 S, 684.
1902 D, 260, fig. 1.
1903 D, 313.
1907 G, 83, 169, figs. 149-151, 165, 201, 210.
1909 D, 126.
1910 B, 108, 110, 546.
Palacký, J. 1903 B, 306.
Palmer, T. S. 1904 A, 279, 933 (Euprotogonia); 669, 933 (Tetraclænodon).
Petronievics, B. 1921 A, 102.
Schlosser, M. 1898 B, 361, 370.
1898 E, 125.
1900 B, 304, 306.
1902 C, 301.
Scott, W. B. 1913 A, 457, 459.
Simpson, G. G. 1927 B, 10 (Euprotogonia, Tetraclænodon).
1928 A, 1.
Sinclair and Granger 1914 A, 311.
Stehlin, H. G. 1905 A, 555 (Protogonia).
1906 A, 643.
1916 B, 1434 (Protogonia).
Thorpe, M. R. 1927 A, 167.
Trouessart, E. L. 1904 A, 161.
1905 A, 575.
Veith, A. 1912 A, 9.
Weber and Abel 1928 A, 674.
Zittel and Schlosser 1911 A, 439.
1923 A, 523, 543, 550.

Tetraclænodon minor (Matthew).

Hay, O. P. 1902 A, 603.
Ameghino, F. 1904 C, 42 (Euprotogonia).
Gardner, J. H. 1910 A, 730.
Gidley, J. W. 1924 B, 47 (This species?).
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 41.
Paleocene (Torrejon); New Mexico: (Fort Union); Montana.

Tetraclænodon puercensis (Cope).

Hay, O. P. 1902 A, 603.
Abel, O. 1913 B, 736, fig. 48.
1919 A, 798, fig. 602.
1920 A, 433, fig. 655.
1922 C, 266, fig. 223.
Ameghino, F. 1904 A, 77, 142 (Euprotogonia).
1904 C, 42.
1905 C, 405, fig. 51.
1906 A, 296, figs. 88, 90 (Euprotogenia).
Douglass, E. 1902 C, 217, 222, pl. xxix, figs. 6-8 (Euprotogonia).
Gardner, J. H. 1910 A, 730 (Tetraclænodon); 733, fig. 9 (Euprotogonia).
Gidley, J. W. 1924 B, 47 (This species?).
Granger, W. 1915 A, 332.
Loomis, F. B. 1926 A, 77, fig. 15.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Osborn, H. F. 1904 F, 17, fig. 5 (Euprotogonia).
1916 E, 506, fig. 4 (Euprotogonia).
Pavlow, M. W. 1925 A, 314 (Phenacodus).
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1898 B, 370 (Protogonia).
1900 B, 305 (Euprotogonia).
1902 C, 300 (Euprotogonia).
1921 A, 119 (Protogonodon).
Trouessart, E. L. 1905 A, 575 (Euprotogonia).
Weber and Abel 1928 A, 631, fig. 428.
Wood, H. E. 1927 B, tab. vii (Euprotogonia).
Zittel and Schlosser 1911 A, 439, fig. 604.
1923 A, 523, fig. 644.
Paleocene (Torrejon); New Mexico: (Fort Union); Montana.

Tetraclænodon subquadratus Cope.

Hay, O. P. 1902 A, 603.
Ameghino, F. 1904 C, 42 (Euprotogonia).
Schlosser, M. 1898 B, 370 (Protogonia).
1921 A, 119 (Protogonodon).
Paleocene (Puerco); New Mexico.

Tetraclænodon sp. indet.

Douglass, E. 1908 D, 23, pl. i, fig. 4; pl. ii, figs. 11-13 (Euprotogonia). Paleocene (Fort Union); Montana.
Gidley, J. W. 1915 E, 538. Paleocene (Fort Union); Montana.
Gidley, J. W. 1918 B, 59. Lower Eocene (Wasatch); Colorado.
1924 B, 47 (This genus?). Eocene (Wasatch); Colorado.
Lloyd and Hares 1915 A, 538 (Euprotogonia).
Lull, R. S. 1915 D, 326 (Euprotogonia). Paleocene (Fort Union); Montana.

Eohyus Marsh. Type *E. distans* Marsh.

Hay, O. P. 1902 A, 651.
Granger, W. 1915 A, 332 (Syn? of Phenacodus).
Haug, E. 1911 A, 1528.
Schmidt, O. 1886 A, 143.
Scott, W. B. 1913 A, 281.
Trouessart, E. L. 1905 A, 648.
Zittel and Schlosser 1911 A, 473.
1923 A, 523 (Syn. of Periptychus).

Eohyus distans Marsh.

Hay, O. P. 1902 A, 651.
Granger, W. 1915 A, 347.
Matthew, W. D. 1909 C, 94.
Sinclair, W. J. 1914 A, 267.
Lower Eocene (Wasatch); New Mexico.

Eohyus robustus Marsh.

Hay, O. P. 1902 A, 651.
Granger, W. 1915 A, 347.
Matthew, W. D. 1909 C, 94.
Sinclair, W. J. 1914 A, 267 (To Periptychus).
Lower Eocene (Wasatch); New Mexico.

Phenacodus Cope. Type *P. primævus* Cope.

Hay, O. P. 1902 A, 604 (Phenacodus); 792 (Opisthotomus).
Abel, O. 1904 B, 741.
1913 B, 736.
1914 A, 146.
Ameghino, F. 1904 A, 535.
1904 C, 43.
1905 A, 33.
1905 C, 405.
1906 A, 295.
Arldt, T. 1907 D, 257.
Beddard, F. E. 1902 A, 202.
Bensley, B. A. 1901 C, 252.
Boule, M. 1891 A, 30.
1902 B, 910.
Case, E. C. 1898 C, 831.
Chardin, T. 1922 A, 26, 64, pl. iii.
1927 A, 21.
Clark and Sonntag 1926 A, 454.
Cope, E. D. 1880 U, 149.
Depéret, C. 1904 B, 14, 23 (Phænacodus).
1907 B.
1912 A, 710.
Dollo, L. 1889 I, 681.
1896 A, 83.
Dollo and Chardin 1924 A, 13, 14.
Drevermann, F. 1913 B, 203.
Earle, C. 1897 B, 311.
Fairchild, H. L. 1894 A, 207.
Fisher, E. 1903 A, 695, 698.
Floderus, M. 1910 A, 97.
Flower, W. H. 1892 A, 19, 24, fig. 2.
Gaudry, A. 1896 A, 87, 148.
1901 B, 95, fig. 3; 524, 525
Gidley, J. W. 1912 B, 180.
1918 B, 59.
Granger, W. 1914 A, 202, 204.
1915 A, 332, figs. 1, 2.
1917 A, 827.
Gregory, W. K. 1910 A, 354, 447.
1912 F, 270.
1918 A, 7.
1920 A, 175, 245, fig. 132.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 368, 372.
Hinze, R. 1910 A, 379.
Holland and Peterson 1913 A, 238.
Keuchenius, P. E. 1913 A, 448.
Knipe, H. R. 1912 A, 119, fig.
Koken, E. 1893 B, 483.
Laloy, L. 1907 A, 585.
Lankester, E. R. 1905 A, 141, fig. 96.
Lemoine, V. 1889 A, 239.
Lobley, J. L. 1908 A, 212.
Loomis, F. B. 1926 A, 76.
Lucas, F. A. 1901 J, 114.
1902 B, 222, fig.
Lydekker, R. 1903 D, 123.
1904 A, 17.
1907 A, 6.
1912 A, 276.
Matthew, W. D. 1903 E, 18, pl.
1909 C, 102.
1915 K, 421.
1917 A, 573.
1921 D, 219.
1924 E, 749.
1926 C, 154.
1928 B, 955, 962, 963, fig. 9.
Matthew and Granger 1917 B, 417 ("Phenacodus").
1923 A, 4.
Natural Science 1898 A, 230.
Osborn, H. F. 1898 S, 684.
1898 V, 206.
1905 N, 235.
1907 G, 170, figs. 135, 150, 198.
1909 D, 133.
1910 A, 205.
1910 B, 627, fig. 71.
1912 G, 236, fig. 3.
Palacký, J. 1903 B, 304, 306 (Phenacodon).
Palmer, T. S. 1904 A, 531, 933 (Phenacodus); 476, 901 (Opisthotomus); 694, 933 (Trispondylus).
Reynolds, S. H. 1897 A, 509, 550, fig. 107.

Rogers, A. F. 1924 A, 545.
Schlesinger, G. 1914 A, 211.
Schlosser, M. 1898 B, 365.
1900 B, 304, 306.
1902 C, 301.
1921 A, 122.
Schuchert and Levene 1927 A, 333, fig.
Scott, W. B. 1913 A, 277, 285, 457.
Seeley, H. G. 1886 A, 468.
Sefve, I. 1915 A, 79.
Shufeldt, R. W. 1889 D, 23.
Simpson, G. G. 1927 B, 10.
Stehlin, H. G. 1905 A, 555.
1906 A, 643, 647.
1916 B, 1454.
Terra, P. 1911 A, 308.
Underhill, B. M. 1910 A, 79, 84.
Veith, A. 1912 A, 9.
Wallace, A. R. 1876 A, 1, 138.
Weber, M. 1904 A, 619, 692.
Weber and Abel 1928 A, xxi, 629, 630.
Woodward, A. S. 1897 C, 380.
Wortman, J. L. 1903 A, xv, 431.
Zittel, K. A. 1895 A, 305.
1897 A, 126.
Zittel and Schlosser 1911 A, 439.
1923 A, 523, 665, 666.

Phenacodus astutus (Cope).

Hay, O. P. 1902 A, 792 (Opisthotomus).
Granger, W. 1915 A, 346, 354.
Matthew, W. D. 1909 C, 94.
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Phenacodus brachypternus Cope.

Hay, O. P. 1902 A, 604.
Granger, W. 1915 A, 333, 344, 354, figs. 4, 6, 8, 10.
Gregory, W. K. 1922 A, 109, figs. 47, 48.
Loomis, F. B. 1907 B, 357.
Matthew, W. D. 1909 C, 94.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Phenacodus copei Granger.

Granger, W. 1915 A, 333, 344, 354, figs. 3, 5, 7.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Phenacodus flagrans (Cope).

Hay, O. P. 1902 A, 792 (Opisthotomus).
Granger, W. 1915 A, 347 (Opisthotomus flagrans; =?P. primævus).
Matthew, W. D. 1909 C, 94.
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); New Mexico.

Phenacodus intermedius Granger.

Granger, W. 1915 A, 333, 340, 354, figs. 3, 5, 7, 9.
Lower Eocene (Wasatch); Wyoming.

Phenacodus nunienus Cope.

Hay, O. P. 1902 A, 604.
Granger, W. 1915 A, 335, 337 (Syn., in part, of P. primævus).
Matthew, W. D. 1909 C, 94.
Trouessart, E. L. 1905 A, 576.
Lower Eocene (Wasatch); Wyoming.

Phenacodus primævus Cope.

Hay, O. P. 1902 A, 604 (P. primævus, P. omnivorus).
Abel, O. 1913 B, 736, fig. 47.
1914 A, 148, fig. 102.
1919 A, 793, figs. 597, 602.
1920 A, 434, fig. 656.
1922 C, 271, fig. 227.
Ameghino, F. 1904 A, 233, fig. 308.
1906 A, 294, fig. 81 (P. primævus); fig. 82*a* (P. trilobatus).
Beddard, F. E. 1902 A, 196, fig. 110.
Boule, M. 1891 A, 31, fig. 9.
Chardin, T. 1922 A, 26, fig. 11 (P. primævus, P. trilobatus).
Cope, E. D. 1885 EE, 609, fig. 1.
1885 FF, 798, fig. 8.
1891 N, 62, 78, figs. 32*a*, 50.
Cossmann, M. 1901 B, 187.
Drevermann, F. 1913 B, 203, fig.
Gidley, J. W. 1924 B, 47 (This species?).
Granger, W. 1915 A, 333, 335, 338, 354, figs. 3, 5, 7 (P. trilobatus a syn.).
Gregory, W. K. 1912 F, 288.
1920 A, 246.
Leuthardt, F. 1891 A, 97, pl. i, fig. 2.
Loomis, F. B. 1907 B, 357.
Lull, R. S. 1907 A, 163, fig. 3.
1917 B, 552, pl. xxviii (P. resartus).
Matthew, W. D. 1909 C, 94.
Merrill, G. P. 1907 A, 54 (P. primævus, P. omnivorus).
Moodie, R. L. 1923 B, 223.
Neumayer, L. 1906 A, 103.
Osborn, H. F. 1898 S, 684.
1899 K, 273, fig. 4.
1904 F, 16, 27, 47, fig. 7.
1909 D, 39.
1910 B, 126, fig. 40.
1912 G, 235, fig. 2.
Reeside, J. B. 1924 A, 46.
Reynolds, S. H. 1897 A, 510, 525, fig. 107.
Salensky, W. 1903 A, 797.
Schlosser, M. 1902 C, 300.
Scott, W. B. 1913 A, 278, 457, fig. 141.
Seeley, H. G. 1886 A, 468, fig.
Shufeldt, R. W. 1889 D, 23, fig.
Sinclair and Granger 1912 A, 59, 60 (This species?).
Stehlin, H. G. 1906 A, 643, 647.
Stromer, E. 1908 B, 169.
1912 A, 208, figs. 195, 196.
Trouessart, E. L. 1905 A, 576.
Underhill, B. M. 1910 A, 79.
Weber, M. 1904 A, 691, fig. 484.
Weber and Abel 1928 A, 630, fig. 426.
Woodward, A. S. 1898 B, 290, fig. 165.
1923 C, 52, figs. 39, 40.
Lower Eocene (Fort Union?, Wasatch, Wind River); Wyoming, New Mexico.

Phenacodus primævus hemiconus Cope.

Hay, O. P. 1902 A, 604 (P. hemiconus).
Granger, W. 1915 A, 333, 339, 354, figs. 3, 5, 7.
Matthew, W. D. 1909 C, 94 (P. hemiconus).

Sinclair and Granger 1912 A, 60 (This species?). Paleocene (Fort Union); Wyoming: (Wasatch); Wyoming.

Phenacodus primævus robustus Granger.

Granger, W. 1915 A, 333, 340, 354, figs. 3, 5, 7. Lower Eocene (Wasatch); Wyoming.

Phenacodus sulcatus Cope.

Hay, O. P. 1902 A, 605.
Granger, W. 1915 A, 347.
Matthew, W. D. 1909 C, 94 ("Incertæ sedis").
Merrill, G. P. 1907 A, 54.
Reeside, J. B. 1924 A, 46 (This species?).
Trouessart, E. L. 1905 A, 576. Lower Eocene (Wasatch); New Mexico.

Phenacodus wortmani Cope.

Hay, O. P. 1902 A, 605.
Ameghino, F. 1906 A, 294, fig. 82*b*.
Chardin, P. T. 1927 A, 22.
Granger, W. 1915 A, 333, 343, 354, figs. 4, 6, 8 (P. vortmani).
Gregory, W. K. 1912 F, 288.
Loomis, F. B. 1907 B, 357.
Matthew, W. D. 1909 C, 94.
Osborn, H. F. 1904 F, 30.
1909 D, 49.
Seeley, H. G. 1886 A, 469.
Sinclair, W. J. 1914 A, 275.
Trouessart, E. L. 1905 A, 576. Lower Eocene (Wind River, Wasatch); Wyoming.

Phenacodus sp. indet.

Gidley, J. W. 1924 B, 47 (This genus?). Lower Eocene (Wasatch); Colorado.
1926 E, 41. Lower Eocene (Wasatch); Wyoming.
Matthew, W. D. 1909 C, 94. Lower Eocene (Wind River); Wyoming.
Simpson, G. G. 1927 B, 7, fig. 7 (This genus?). Upper Cretaceous (Paskapoo); Alberta.
Sinclair and Granger 1912 A, 60. Paleocene (Fort Union?); Wyoming.

Ectocion Cope. Type *Oligotomus osbornianus* Cope.

Hay, O. P. 1902 A, 605.
Ameghino, F. 1904 A, 82, 84, 105.
Arldt, T. 1907 A, 241.
Fairchild, H. L. 1894 A, 209.
Granger, W. 1914 A, 204.
1915 A, 330, 348, figs. 1, 2.
Gregory, W. K. 1920 A, 245.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 102.
Osborn, H. F. 1910 B, 132, 546.
Palmer, T. S. 1904 A, 251, 933.
Schlosser, M. 1900 B, 306.
Simpson, G. G. 1927 B, 10.
Weber and Abel 1928 A, 630.
Zittel and Schlosser 1923 A, 523.

Ectocion osbornianum Cope.

Hay, O. P. 1902 A, 605.
Ameghino, F. 1904 A, 82-84.
1906 A, 307, fig. 114.
Granger, W. 1915 A, 351, 352, 354, figs. 11-13.
Loomis, F. B. 1907 B, 357.
Matthew, W. D. 1909 C, 94.
Trouessart, E. L. 1905 A, 576 (Ectocion); 611 (Ectocyon). Lower Eocene (Wasatch, Wind River); Wyoming.

Ectocion parvum Granger.

Granger, W. 1915 A, 351, 353, 354, figs. 12, 13. Lower Eocene (Wasatch); Wyoming.

Ectocion ralstonense Granger.

Granger, W. 1915 A, 351, 353, 354, figs. 11-14. Lower Eocene (Wasatch); Wyoming.

Ectocion superstes Granger.

Granger, W. 1915 A, 351, 352, 354, figs. 11-13. Lower Eocene (Wind River); Wyoming.

MENISCOTHERIIDÆ Cope.

Hay, O. P. 1902 A, 605.
Abel, O. 1913 B, 729, 734.
1914 A, 121, 142, 148.
Ameghino, F. 1893 B, 442.
1893 D, 14.
1901 A, 382.
1902 B, 9 (Meniscotheridæ).
Arldt, T. 1907 A, 244 (Meniscotheridæ).
1912 A, 702, 703 (Meniscotheridæ).
Depéret, C. 1904 B, 43 ("meniscothéridés").
Granger, W. 1915 A, 329, 354.
Gregory, W. K. 1910 A, 357.
1920 A, 175, 246, fig. 133.
Matthew, W. D. 1909 C, 94, 102.
Matthew, W. D. 1914 B, 387.
1915 E, 312.
1921 D, 214.
Osborn, H. F. 1909 D, 40.
Schlosser, M. 1898 B, 367.
1900 B, 304.
Scott, W. B. 1913 A, 457, 591.
Seeley, H. G. 1886 A, 469, 521.
Trouessart, E. L. 1905 A, 577.
Weber, M. 1904 A, 693.
Weber and Abel 1928 A, 426, 437, 630.
Winge, H. 1906 A, 69, 78.
Zittel and Schlosser 1911 A, 439.
1923 A, 524, 666.

Meniscotherium Cope. Type *M. chamense* Cope.

Hay, O. P. 1902 A, 605 (Meniscotherium); 606 (Hyracops).
Beddard, F. E. 1902 A, 203.
Chardin, P. T. 1920 A, 1161.
Chardin, P. T. 1922 A, 46.
Clark and Sonntag 1926 A, 479, 483.
Depéret, C. 1904 B, 43.
Granger, W. 1910 A, 243.

Granger, W. 1914 A, 206.
1915 A, 354, 356 (Hyracops a syn.).
Gregory, W. K. 1910 A, 355, 399, 447.
1912 F, 270, 288.
Haug, E. 1911 A, 1528.
Holland and Peterson 1913 A, 214.
Koken, E. 1901 B, 223.
Leche, W. 1904 A, 220.
Lull, R. S. 1917 B, 554.
Matthew, W. D. 1909 C, 102 (Hyracops a syn.).
1915 K, 421.
1921 H, 510.
1928 B, 963, fig. 9.
Osborn, H. F. 1907 G, 87, 184, figs. 135, 183.
1910 B, 108, 125, 132, 546.
1912 G, 236, fig. 3.
Palmer, T. S. 1904 A, 344, 932 (Hyracops); 410, 932 (Meniscotherium).
Salensky, W. 1903 A, 797 (Hyracops).
Schlosser, M. 1902 J, 257.
1911 A, 101.
Scott, W. B. 1913 A, 457, 459.
Seeley, H. G. 1886 A, 469.
Weber, M. 1904 A, 694 (Meniscotherium); 694, 714 (Hyracops).
Weber and Abel 1928 A, 437, 631.
Winge, H. 1906 A, 78, 165.
Wortman, J. L. 1904 A, 207.
Zittel and Schlosser 1911 A, 439.
1923 A, 524.

Meniscotherium chamense Cope.

Hay, O. P. 1902 A, 605.
Granger, W. 1915 A, 358, fig. 16.
Gregory, W. K. 1922 A, 109, figs. 47, 48.
Matthew, W. D. 1909 C, 94.
Merrill, G. P. 1907 A, 46.
Reeside, J. B. 1924 A, 46.
Trouessart, E. L. 1905 A, 577 (M. chamense); 578 (Hyracops socialis).
Lower Eocene (Wasatch); New Mexico.

Meniscotherium chamense terrærubræ Cope.

Hay, O. P. 1902 A, 606 (M. terrærubræ; Hyracops socialis).
Abel, O. 1913 B, 737, fig. 49 (M. terrarubræ).
Granger, W. 1914 A, 206 (M. terrærubræ).
1915 A, 359, fig. 15 (Hyracops socialis a syn.).
Matthew, W. D. 1909 C, 94 (M. chamense, M. terrærubræ).
Osborn, H. F. 1910 B, 125, fig. 39 (M. terrærubræ).
1916 E, 506, fig. 4 (M. terrærubræ).
Reeside, J. B. 1924 A, 46 (M. terrærubræ).
Weber and Abel 1928 A, 630, fig. 427 (M. terrærubræ).
Woodward, A. S. 1898 B, 289, fig. 164 (Hyracops socialis).
Zittel and Schlosser 1911 A, 439, fig. 605 (M. terrærubræ).
1923 A, 524, fig. 645 (M. terrærubræ).
Lower Eocene (Wasatch); New Mexico.

Meniscotherium priscum Granger.

Granger, W. 1915 A, 360, fig. 18 (Meniscotherium?).
Lower Eocene (Wasatch); Wyoming.

Meniscotherium tapiacitis Cope.

Hay, O. P. 1902 A, 605.
Granger, W. 1915 A, 360, fig. 17.
Matthew, W. D. 1909 C, 94.
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); New Mexico.

MIOCLÆNIDÆ Osborn and Earle.

Hay, O. P. 1902 A, 606.
Abel, O. 1913 B, 729, 735.
1914 A, 121, 142, 145.
1926 B, 396.
Arldt, T. 1907 D, 620.
1912 A, 702.
Beddard, F. E. 1902 A, 205.
Gregory, W. K. 1920 A, 246.
Matthew, W. D. 1909 D, 512.
1914 B, 387.
1915 E, 311.
1918 H, 608.
Matthew, W. D. 1921 D, 212.
Osborn, H. F. 1910 B, 109, 546.
Palmer, T. S. 1904 A, 754, 933.
Schlosser, M. 1898 B, 362, 367, 368.
1900 B, 304, 305.
Trouessart, E. L. 1905 A, 569.
Weber, M. 1904 A, 693.
Weber and Abel 1928 A, 124, 426, 628.
Winge, H. 1923 A, 197.
Zittel and Schlosser 1911 A, 438.
1923 A, 522, 602, 665.

MIOCLÆNUS Cope. Type *M. turgidus* Cope.

Hay, O. P. 1902 A, 606 (Mioclænus); 746 (Ellipsodon).
Abel, O. 1913 B, 735.
Bardenfleth, K. S. 1913 A, 76.
Beddard, F. E. 1902 A, 205.
Haug, E. 1911 A, 1527.
Matthew, W. D. 1901 A, 5, 6.
1909 C, 101.
1918 H, 567, 609.
1924 E, 749.
1928 B, 956 (Mioclænus, Ellipsodon).
Osborn, H. F. 1903 D, 313.
1907 G, 169, fig. 147.
Osborn, H. F. 1909 D, 34.
1910 B, 107, 546.
1912 G, 233, fig. 1.
Palmer, T. S. 1904 A, 426, 933.
Schlosser, M. 1898 B, 362, 365.
1903 A, 289.
1900 B, 307.
Seeley, H. G. 1886 A, 418.
Stehlin, H. G. 1906 A, 673.
1916 B, 1484.
Trouessart, E. L. 1904 A, 43 (Promioclænus).
1905 A, 569.
Weber and Abel 1928 A, xxiv, 628.

Winge, H. 1917 A, 102, 180.
1923 A, 131, 196, 215, 216, 217.
Zittel and Schlosser 1911 A, 438.
1923 A, 522.

Mioclænus acolytus Cope.

Hay, O. P. 1902 A, 606.
Douglass, E. 1902 B, 273.
1902 C, 217, 222, pl. xxix, figs. 9, 10.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1901 A, 6.
1909 C, 92.
1909 D, 512.
1914 B, 385.
Osborn, H. F. 1902 C, 170, 171, fig. 1.
Reeside, J. B. 1924 A, 41.
Trouessart, E. L. 1904 A, 43 (Promioclænus).
Paleocene (Torrejon); New Mexico, Montana.

Mioclænus inæquidens Cope.

Hay, O. P. 1902 A, 746 (Ellipsodon).
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 41.
Trouessart, E. L. 1904 A, 160 (Ellipsodon).
Paleocene (Torrejon); New Mexico.

Mioclænus lemuroides Matthew.

Hay, O. P. 1902 A, 606.
Chardin, T. 1922 A, 88.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1901 A, 6.
1909 C, 92.
1909 D, 512.
1914 B, 385.
Osborn, H. F. 1902 C, 171.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1911 A, 69.
Trouessart, E. L. 1904 A, 43 (Promioclænus).
Zittel and Schlosser 1911 A, 438, fig. 603.
1923 A, 522, fig. 643.
Paleocene (Torrejon); New Mexico.

Mioclænus lydekkerianus Cope.

Hay, O. P. 1902 A, 606.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 41.
Paleocene (Torrejon); New Mexico.

Mioclænus turgidunculus Cope.

Hay, O. P. 1902 A, 606.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1901 A, 6.
1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 38.
Paleocene (Puerco); New Mexico.

Mioclænus turgidus Cope.

Hay, O. P. 1902 A, 606.
Abel, O. 1913 B, 735, fig. 43.
1914 A, 144, fig. 96.
Gardner, J. H. 1910 A, 730.
Granger, W. 1917 A, 822, 823, 825.
Matthew, W. D. 1901 A, 6.
1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1898 B, 371.
Weber and Abel 1928 A, 627, fig. 423.
Paleocene (Torrejon); New Mexico.

Mioclænus sp. indet.

Douglass, E. 1908 D, 23. Paleocene (Fort Union); Montana.
Lull, R. S. 1915 D, 326. Paleocene (Fort Union); Montana.

PROTOSELENE Matthew. Type *Mioclænus opisthacus* Cope.

Hay, O. P. 1902 A, 607.
Beddard, F. E. 1902 A, 205.
Matthew, W. D. 1901 A, 6 (Mioclænus).
1909 C, 101.
Palmer, T. S. 1904 A, 585, 933.
Schlosser, M. 1900 B, 307.
1921 A, 123.
Zittel and Schlosser 1911 A, 438.
1923 A, 522.

Protoselene opisthaca (Cope).

Hay, O. P. 1902 A, 607.
Gardner, J. H. 1910 A, 730 (This genus?).
Granger, W. 1917 A, 823, 825 (Mioclænus); 823 (Hemithlæus baldwini).
Matthew, W. D. 1909 C, 92 (This genus?).
1914 B, 385.
Reeside, J. B. 1924 A, 41 (P. opisthacus).
Schlosser, M. 1900 B, 307.
Paleocene (Torrejon); New Mexico.

MONODELPHIA OF UNDETERMINED POSITION.

PLANETETHERIUM Simpson. Type *P. mirabile* Simpson.

Simpson, G. G. 1928 A, 11.

Planetetherium mirabile Simpson.

Simpson, G. G. 1928 A, 11, figs. 7-9.
Upper Cretaceous (Fort Union); Montana.

Order AMBLYPODA Cope.

Hay, O. P. 1902 A, 692.
Abel, O. 1912 F, 573 ("amblypoden").
1913 B, 729, 746.
1914 A, 142, 187.
1919 A, 816.
1920 A, 438.
Ameghino, F. 1889 A, 1005.
1901 A, 390.

Ameghino, F. 1904 B, 52.
1905 A, 63.
1906 A, 320 ("amblypodes").
Anderson, R. J. 1912 D, 253.
Arldt, T. 1907 D, 637.
1908 A, 240 ("amblypoden").
Beddard, F. E. 1902 A, 205.
Behlen, H. 1906 A, 197 ("amblypoden").
Branca, W. 1907 A, 9.
Case, E. C. 1899 B, 170.
Clark and Sonntag 1926 A, 461, 462.
Cope, E. D. 1880 U, 151 ("amblypodes").
1885 BB, 72.
1885 EE, 610.
1891 N, 67, 84, 90.
Cossmann, M. 1901 B, 186.
Depéret, C. 1902 D, 1281 ("amblypodes").
1904 B, 23, 41 ("amblypodes").
1905 C, 703 ("amblypodes").
1912 A, 706 ("amblypodes").
Fischer, E. 1903 A, 713.
Gaudry, A. 1906 A, 7 ("amblypodes").
Gawrilenko, A. 1924 A, 222 ("amblypoden").
Gidley, J. W. 1917 A, 433.
Gregory, W. K. 1910 A, 99, 356-359, 448.
1912 F, 270.
1920 A, 180, 243.
Heilprin, A. 1887 A, 367.
Heschcler, K. 1906 A, 30.
Howes, G. B. 1902 A, 523.
1903 A, 328.
Jaekel, O. 1911 A, 239 (Amblypodi).
Kampfen, P. N. 1905 A, 627.
Koken, E. 1893 B, 485.
Lemoine, V. 1889 A, 255 ("amblypodes").
Loomis, F. B. 1922 A, 62.
Lull, R. S. 1917 B, 555.
Major, C. J. F. 1899 B, 66.
Matthew, W. D. 1906 B, 361 ("amblypods").
1909 C, 92, 94, 97, 99, 102.
1909 D, 301, 551.
1915 A, 256.
1915 K, 463.
Matthew, W. D. 1921 D, 214.
1928 B, 948, 956, 963, 968.
Osborn, H. F. 1898 U, 686.
1899 J, 415.
1902 E, 356, fig. 1.
1905 H, 207, fig. 2.
1905 I, 99.
1906 C, 851.
1907 G, 14, 64.
1909 D, 121.
1910 B, 605.
1917 B, 259.
1925 B, 18.
1925 C, 750.
Palacký, J. 1903 B, 305, 306.
Parker and Haswell 1897 A, 455.
Reynolds, S. H. 1897 A, 509, 531.
Schlosser, M. 1898 B, 360, 362, 367.
1902 E, 472.
1902 I, 738.
1911 A, 139 ("amblypoden").
Schwarz, E. 1924 A, 419.
Scott, W. B. 1896 C, 308.
1913 A, 675.
Seeley, H. G. 1886 A, 466, 469, 521.
Shufeldt, R. W. 1889 D, 11.
Smith, G. E. 1903 A, 328 (Amblypoda).
1903 B, 49.
Steinmann, G. 1907 A, 479.
Stromer, E. 1906 A, 214.
1912 A, 209, 244.
Terra, P. 1911 A, 331.
Trouessart, E. L. 1905 A, 578.
Weber, M. 1904 A, 588, 699.
Weber and Abel 1928 A, 90, 426, 626, 690.
Winge, H. 1906 A, 68, 69, 72.
Woodward, A. S. 1898 D, 329, 335.
1904 D, 157.
1923 C, 48.
Wortman, J. L. 1903 A, 430.
1921 A, 185.
Zittel and Schlosser 1911 A, 506.
1923 A, 596, 602, 667.

Suborder PERIPTICHIFORMES, new name.

Hay, O. P. 1902 A, 692 (Taligrada).
Ameghino, F. 1889 A, 1025 (Taligrada).
Clark and Sonntag 1926 A, 462 (Taligrada).
Gregory, W. K. 1910 A, 99, 356, 357, 447, 456, 466.
1916 A, 248 (Taligrada).
1921 A, 69 (Taligrada).
Kingsley, J. S. 1925 A, 215 (Taligrada).
Matthew, W. D. 1915 A, 256 (Taligrada).
1921 D, 212 (Taligrada).
Matthew, W. D. 1928 B, 948, 959, 970.
Osborn, H. F. 1910 B, 546 (Taligrada).
Schlosser, M. 1902 E, 474, 476 (Taligrada).
Scott, W. B. 1913 A, 453 (Taligrada).
Seeley, H. G. 1886 A, 473, 521 (Taligrada).
Weber, M. 1904 A, 700 (Taligrada).
Zittel and Schlosser 1911 A, 507 (Syn. of Pantolambdidæ).
1923 A, 597 (Syn. of Pantolambdidæ).

PERIPTYCHIDÆ Cope.

Cope, E. D. 1882 A, 447.
Hay, O. P. 1902 A, 693.
Abel, O. 1913 B, 729, 735.
1914 A, 121, 142, 145.
Ameghino, F. 1904 C, 46.
Arldt, T. 1907 A, 244.
1907 D, 672.
1912 A, 702, 703 (Catathlæidæ).
Behlen, H. 1906 A, 193 ("periptychiden").
Chardin, T. 1922 A, 27 ("périptychidés").
Depéret, C. 1904 B, 43 ("périptychidés").
Flower, W. H. 1892 A, 20.
Gregory, W. K. 1910 A, 357, 454.
1920 A, 243.
Matthew, W. D. 1909 C, 92, 102.
1914 B, 387.
1918 H, 608.
1921 D, 212.
Osborn, H. F. 1909 D, 33, 35.
1910 B, 110. 111, 546.

Schlosser, M. 1898 B, 362, 367, 368.
1900 B, 304.
1902 E, 473, 477 ("periptychiden").
Scott, W. B. 1913 A, 443.
Seeley, H. G. 1886 A, 467, 521.
Trouessart, E. L. 1905 A, 570 (Catathlæidæ).
Weber, M. 1904 A, 700.
Weber and Abel 1928 A, 124, 426, 690, 694.
Winge, H. 1917 A, 91, 101, 103, 179.
1923 A, 123, 131, 133, 195, 212.
Zierler, F. E. 1905 A, 514.
Zittel and Schlosser 1911 A, 438.
1923 A, 522, 602, 665.

PERIPTYCHINÆ Osborn and Earle.

Hay, O. P. 1902 A, 693.
Matthew and Granger 1925 A, 9.
Schlosser, M. 1898 B, 362, 368.
1900 B, 304.
Trouessart, E. L. 1905 A, 571 (Catathlæinæ).

PERIPTYCHUS Cope. Type *P. carinidens* Cope.

Hay, O. P. 1902 A, 693.
Ameghino, F. 1893 B, 440, 447.
1893 D, 14.
1904 A, 534.
1905 C, 409.
1906 A, 295, 298.
Beddard, F. E. 1902 A, 204.
Chardin, T. 1922 A, 26.
Gaudry, A. 1896 A, 147.
1901 B, 525.
Granger, W. 1917 A, 828.
Gregory, W. K. 1910 A, 437.
1912 F, 270.
1921 A, 234.
Haug, E. 1911 A, 1527, 1528.
Koken, E. 1893 B, 482.
Matthew, W. D. 1909 C, 102.
1924 E, 749.
1928 B, 956.
Osborn, H. F. 1907 G, 164, figs. 135, 137.
1910 B, 107, 546.
Palmer, T. S. 1904 A, 524, 908.
Rogers, A. F. 1924 A, 545.
Schlosser, M. 1898 B, 362, 369.
1900 B, 304.
1903 A, 291.
1911 A, 134.
Scott, W. B. 1913 A, 454.
Seeley, H. G. 1886 A, 467.
Trouessart, E. L. 1905 A, 571.
Weber, M. 1904 A, 700.
Weber and Abel 1928 A, 690.
Winge, H. 1917 A, 103, 180.
1923 A, 132, 196, 197, 212, 215, 216.
Zittel and Schlosser 1911 A, 439.
1923 A, 523, 665.

Periptychus carinidens Cope.

Hay, O. P. 1902 A, 693.
Gardner, J. H. 1910 A, 730, fig. 9.
Granger, W. 1917 A, 823.
Matthew, W. B. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1900 B, 304.
Trouessart, E. L. 1905 A, 571 (Catathlæus).
Paleocene (Torrejon); New Mexico.

Periptychus coarctatus Cope.

Hay, O. P. 1902 A, 693.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1898 B, 368.
1900 B, 304.
Trouessart, E. L. 1905 A, 571 (Catathlæus).
Paleocene (Puerco); New Mexico.

Periptychus rhabdodon Cope.

Hay, O. P. 1902 A, 693.
Ameghino, F. 1893 B, 447.
1893 D, 17.
1904 A, 392.
1905 C, 407, fig. 54.
Beddard, F. E. 1902 A, 205.
Gardner, J. H. 1910 A, 730.
Granger, W. 1917 A, 822, 823, 825.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Neumayer, L. 1906 A, 103.
Osborn, H. F. 1904 F, 5.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1898 B, 368.
Seeley, H. G. 1886 A, 467, figs.
Sinclair and Granger 1914 A, 307, 311.
Trouessart, E. L. 1905 A, 571 (Catathlæus).
Paleocene (Torrejon); New Mexico.

Periptychus rhabdodon var. fissus.

Granger, W. 1917 A, 823 (No description).
Paleocene (Torrejon); New Mexico.

Periptychus sp. indet.

Granger, W. 1917 A, 828. Lower Eocene (Wasatch); Colorado.
Reeside, J. B. 1924 A, 46. Lower Eocene (Wasatch); Colorado.

ECTOCONUS Cope. Type *Periptychus ditrigonus* Cope.

Hay, O. P. 1902 A, 694.
Ameghino, F. 1904 A, 394, 395.
1905 C, 409.
1906 A, 298.
Eastman, C. R. 1914 B, 689.
Gaudry, A. 1901 B, 525.
Gregory, W. K. 1910 A, 454, fig. 30.
1920 A, 244.
1921 A, 69.
Haug, E. 1911 A, 1527.
Matthew, W. D. 1906 B, 358.
1909 C, 102.
1917 A, 573.
1918 H, 608.
Matthew, W. D. 1928 B, 955, 956, figs. 5, 7.
Matthew and Granger 1925 A, 9.
Moodie, R. L. 1923 B, 124.
Osborn, H. F. 1910 B, 546.

Palmer, T. S. 1904 A, 251, 908.
Schlosser, M. 1898 B, 362, 368.
1902 E, 473.
Winge, H. 1917 A, 181.
Zittel and Schlosser 1911 A, 439.
1923 A, 523.

Ectoconus ditrigonus Cope.

Hay, O. P. 1902 A, 694.
Ameghino, F. 1904 A, 394.
Ameghino, F. 1905 C, 409, fig. 57.
1906 A, 297, figs. 92, 95, 515.
Gardner, J. H. 1910 A, 730.
Gaudry, A. 1901 B, 525.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1898 B, 369.
Trouessart, E. L. 1905 A, 571 (Catathlæus).
Paleocene (Puerco); New Mexico.

PROTOLAMBDA Osborn. Type *P. hatcheri* Osborn.

Hay, O. P. 1902 A, 692.
Arldt, T. 1912 A, 686 (To Protolambidæ).
Gidley, J. W. 1906 F, 99, 104, fig. 12.
Osborn, H. F. 1907 G, 96, fig. 47.
Palmer, T. S. 1904 A, 583, 909.

Protolambda hatcheri Osborn.

Hay, O. P. 1902 A, 692.
Matthew, W. D. 1916 A, 478.
Upper Cretaceous (Lance); Wyoming.

HAPLOCONUS Cope. Type *H. lineatus* Cope.

Hay, O. P. 1902 A, 694.
Gaudry, A. 1901 A, 504.
Gregory, W. K. 1910 A, 359.
1920 A, 181.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 102.
1924 E, 749.
1928 B, 956.
Palmer, T. S. 1904 A, 309, 908.
Schlosser, M. 1898 B, 362, 369.
1900 B, 304.
1902 E, 473.
Seeley, H. G. 1886 A, 467.
Winge, H. 1917 A, 180.
1923 A, 132, 216.
Zittel and Schlosser 1923 A, 523, 684.

Haploconus angustus Cope.

Hay, O. P. 1902 A, 694.
Paleocene (Puerco); New Mexico.

Haploconus corniculatus Cope.

Hay, O. P. 1902 A, 694.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1898 B, 370 (Hemithlæus).
Paleocene (Torrejon); New Mexico.

Haploconus lineatus Cope.

Hay, O. P. 1902 A, 694.
Gardner, J. H. 1910 A, 730.
Gregory, W. K. 1922 A, 108.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1898 B, 370.
1900 B, 304.
Winge, H. 1917 A, 102.
1923 A, 132.
Paleocene (Torrejon); New Mexico.

ANISONCHINÆ Osborn and Earle.

Hay, O. P. 1902 A, 694.
Schlosser, M. 1898 B, 362, 369.
Schlosser, M. 1900 B, 304.
Trouessart, E. L. 1905 A, 570.

ANISONCHUS Cope. Type *A. sectorius* Cope.

Hay, O. P. 1902 A, 694.
Ameghino, F. 1904 A, 399.
Matthew, W. D. 1909 C, 102.
1924 E, 749.
1928 B, 956.
Osborn, H. F. 1903 D, 313.
1910 B, 546.
Schlosser, M. 1900 B, 304.
Seeley, H. G. 1886 A, 467.
Winge, H. 1917 A, 102, 180.
1923 A, 132, 216.
Zittel and Schlosser 1911 A, 438.
1923 A, 523, 684.

Anisonchus gillianus Cope.

Hay, O. P. 1902 A, 695.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1898 B, 370.
Paleocene (Puerco); New Mexico.

Anisonchus sectorius Cope.

Hay, O. P. 1902 A, 695.
Douglass, E. 1902 B, 272 (This species?).
1902 C, 217, 222, pl. xxix, figs. 3-5. (This species?).
Gardner, J. H. 1910 A, 730.
Granger, W. 1917 A.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1898 B, 369, 370 (A. mandibularis, A. sectorius).
1900 B, 304 (Haploconus mandibularis).
Winge, H. 1917 A, 102.
1923 A, 132.
Paleocene (Torrejon); New Mexico, Montana?.

ZETODON Cope. Type *Z. gracilis* Cope.

Hay, O. P. 1902 A, 695.
Palmer, T. S. 1904 A, 714, 908.
Winge, H. 1917 A, 181.

Zetodon gracilis Cope.

Hay, O. P. 1902 A, 695.
Paleocene (Puerco); New Mexico.

HEMITHLÆUS Cope. Type *H. kowalevskianus* Cope.

Hay, O. P. 1902 A, 695.
Ameghino, F. 1904 A, 400.
1906 A, 299.
Gregory, W. K. 1910 A, 402.
Matthew, W. D. 1909 C, 102.
1928 B, 955, fig. 5.
Osborn, H. F. 1907 G, 165, fig. 138.
1910 B, 546.
Palmer, T. S. 1904 A, 319, 908.
Schlosser, M. 1898 B, 362, 369.
1911 A, 68.
Seeley, H. G. 1886 A, 467.
Winge, H. 1917 A, 101, 180.
1923 A, 131, 216.

Hemithlæus kowalevskianus Cope.

Hay, O. P. 1902 A, 695.
Ameghino, F. 1904 A, 399.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1898 B, 369.
Winge, H. 1923 A, 131.
Paleocene (Puerco); New Mexico.

CONACODON Matthew. Type *Haploconus entoconus* Cope.

Hay, O. P. 1902 A, 695.
Haug, E. 1911 A, 1527.
Matthew, W. D. 1909 C, 102.
1924 E, 749.
Osborn, H. F. 1907 G, 165, fig. 139.
1910 B, 546.
Winge, H. 1917 A, 102.
1923 A, 132, 216.

Conacodon cophater (Cope).

Hay, O. P. 1902 A, 695.
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1908 C, 370 (Haploconus).
Paleocene (Puerco); New Mexico.

Conacodon entoconus (Cope).

Hay, O. P. 1902 A, 696.
Abel, O. 1913 B, 735, fig. 44 (C. entoconum).
1914 A, 145, fig. 98 (C. entoconum).
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 38.
Schlosser, M. 1900 B, 304 (Haploconus coniferus).
Weber and Abel 1928 A, 692, fig. 482.
Winge, H. 1917 A, 102 (Haploconus).
1923 A, 132 (Haploconus).
Paleocene (Puerco); New Mexico.

PANTOLAMBDIDÆ Cope.

Hay, O. P. 1902 A, 696.
Abel, O. 1912 F, 573 ("pantolambdiden").
1913 B, 729, 735.
1914 A, 121, 142, 145.
Ameghino, F. 1889 A, 621, 894.
1901 A, 397.
1902 B, 9.
1904 C, 46.
1906 A, 298.
Arldt, T. 1907 A, 241, 244.
1907 D, 671.
1912 A, 702, 703.
Gregory, W. K. 1910 A, 357.
Matthew, W. D. 1909 C, 92, 102.
Matthew, W. D. 1914 B, 387.
1921 D, 212.
Osborn, H. F. 1909 D, 35, 40.
1910 B, 110, 111, 546.
Schlosser, M. 1898 B, 362.
1902 E, 477.
Scott, W. B. 1913 A, 443.
Seeley, H. G. 1886 A, 521.
Trouessart, E. L. 1905 A, 572.
Weber, M. 1904 A, 700.
Weber and Abel 1928 A, 426, 626, 694.
Winge, H. 1906 A, 69, 72 (Pantolambdini).
Zittel and Schlosser 1911 A, 507.
1923 A, 597.

PANTOLAMBDA Cope. Type *P. bathmodon* Cope.

Hay, O. P. 1902 A, 696.
Abel, O. 1912 F, 229.
1914 A, 146.
Ameghino, F. 1889 A, 962.
1904 A, 534.
1905 C, 410.
1906 A, 299.
Beddard, F. E. 1902 A, 207.
Cossman, M. 1901 B, 186.
Dall, W. H. 1898 A, 347.
Gardner, J. H. 1910 A, 712.
Gidley, J. W. 1917 A, 433.
1919 A, 274.
Granger, W. 1917 A, 825.
Gregory, W. K. 1910 A, 447.
1912 F, 270, 285.

Gregory, W. K. 1920 A, 243.
1921 A, 69, pl. xxvii.
Haug, E. 1911 A, 1528.
Lull, R. S. 1917 B, 555.
Matthew, W. D. 1904 D, 814.
1909 C, 102.
1915 K, 465.
1917 A, 573.
1918 H, 609.
1928 B, 956, 969, fig. 11.
Osborn, H. F. 1903 D, 313.
1905 I, pl. i, fig. 1; pl. ii, fig. 1.
1907 G, 87, 165, figs. 135, 140, 144, 145.
1909 D, 23, 35.
1910 B, 107, 108, 110, 111, 546.
1912 G, 233, fig. 1.
1917 B, 259, fig.
Palmer, T. S. 1904 A, 510, 907.
Schlosser, M. 1898 B, 362, 367.
1899 I, 349.
1901 I, 460.
1902 E, 473.
1903 G, 145.
1911 A, 134, 141.
Schuchert, C. 1910 A, 599.
Scott, W. B. 1913 A, 285, 453.
Seeley, H. G. 1886 A, 473.
Sinclair and Granger 1914 A, 311.
Trouessart, E. L. 1905 A, 572.
Weber, M. 1904 A, 700.
Weber and Abel 1928 A, xxiv, 690.
Winge, H. 1906 A, 75.
Wood, H. E. 1923 A, 599, 604.
Wortman, J. L. 1921 A, 186.
Zittel and Schlosser 1911 A, 507.
1923 A, 598, 664.

Pantolambda bathmodon Cope.

Hay, O. P. 1902 A, 696.
Abel, O. 1913 B, 736, fig. 46.
1914 A, 145, figs. 99, 101.
Ameghino, F. 1904 A, 357, 401, figs. 470, 525.
1905 C, 380, figs. 20, 59.
Ameghino, F. 1906 A, 300, fig. 98.
Beddard, F. E. 1902 A, 205 (Pantolambda); fig. 114 (Protolambda).
Gardner, J. H. 1910 A, 730.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Osborn, H. F. 1904 F, 5, 14, 34.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1902 E, 477.
Scott, W. B. 1913 A, 285, fig. 143.
Seeley, H. G. 1886 A, 474.
Trouessart, E. L. 1905 A, 572.
Weber, M. 1904 A, 700, figs. 495, 497.
Weber and Abel 1928 A, 691, fig. 481.
Zittel and Schlosser 1911 A, 507, fig. 701.
1923 A, 597, fig. 742.
Paleocene (Torrejon); New Mexico.

Pantolambda cavirictus Cope.

Hay, O. P. 1902 A, 696.
Abel, O. 1913 B, 736, fig. 45.
1914 A, 146, fig. 100.
Douglass, E. 1902 C, 217, 223 (This species?).
Gardner, J. H. 1910 A, 730.
Gidley, J. W. 1915 E, 538.
Granger, W. 1917 A, 823.
Lloyd and Hares 1915 A, 538.
Matthew, W. D. 1909 C, 92.
1914 B, 385.
Reeside, J. B. 1924 A, 41.
Schlosser, M. 1898 B, 367.
1902 E, 477.
Stanton, T. W. 1909 A, 264 (This species?).
Terra, P. 1911 A, 332, fig. 157.
Trouessart, E. L. 1905 A, 572.
Weber and Abel 1928 A, 691, fig. 480.
Zittel and Schlosser 1911 A, 507, fig. 700.
Paleocene (Torrejon); New Mexico: (Fort Union); Montana.

Pantolambda sp. indet.

Lull, R. S. 1915 D, 326. Paleocene (Fort Union); Montana.

Titanoides Gidley. Type *T. primævus* Gidley.

Gidley, J. W. 1917 A, 431.
Abel, O. 1922 C, 271.
Matthew, W. D. 1928 B, 969.
Zittel and Schlosser 1923 A, 598.
A genus of uncertain ordinal position.

Titanoides primævus Gidley.

Gidley, J. W. 1917 A, 431, pl. xxxvi, figs. 1, 2; text-fig. 1.
Paleocene (Fort Union); North Dakota.

Suborder Coryphodontiformes, new name.

Unless otherwise indicated the authors, as cited, use the name Dinocerata.
Hay, O. P. 1902 A, 696 (Pantodonta); 701 (Dinocerea).
Abel, O. 1908 D, (211) ("dinoceraten").
1912 F, 581.
1914 A, 187.
1922 C, 261 ("dinoceratiden").
Ameghino, F. 1889 A, 1011 (Dinocerata); 1021 (Pantodonta).
1905 C, 350.
Beddard, F. E. 1902 A, 210.
Boule, M. 1891 A, 32 ("dinocératidés").
Cope, E. D. 1873 FF, 3, 4 (Dinocerea).
1880 U, 152 (Dinocerata, Pantodonta).
Cope, E. D. 1891 N, 84.
Delafontaine, M. 1875 A, 173.
Gaudry, A. 1898 A, 128.
Gregory, W. K. 1910 A, 99 (Pantodonta).
1920 A, 243.
Howes, G. B. 1902 A, 523.
Kingsley, J. S. 1925 A, 215 (Pantodonta, Dinocerata).
Koken, E. 1893 B, 476 ("dinoceraten").
Matthew, W. D. 1915 K, 463.
1928 B, 970.
Osborn, H. F. 1909 D, 124.
1910 B, 163, 166, 172 (Dinocerata); 546 (Pantodonta).

Schlosser, M. 1902 E, 474, 476 (Dinocerata, Pantodonta).
1903 G, 145.
Scott, W. B. 1913 A, 443 (Dinocerata); 451 (Pantodonta).
Seeley, H. G. 1886 A, 466, 571.
Shufeldt, R. W. 1889 D, 4.
1911 A, 73.
Steinmann, G. 1908 A, 261 ("dinoceraten").
Wallace, A. R. 1876 A, I, 139.
Weber, M. 1904 A, 700 (Pantodonta).
Williston, S. W. 1902 L, 918.
Woodward, A. S. 1898 D, 330.
1923 A, 32.
Wyckoff, W. C. 1874 A, 11.

CORYPHODONTIDÆ Marsh.

Hay, O. P. 1902 A, 697.
Abel, O. 1913 B, 729, 735, 746.
1914 A, 187.
1919 A, 817.
1920 A, 438 ("coryphodontiden").
1922 C, 261 ("coryphodontiden").
Ameghino, F. 1889 A, 1009.
1902 B, 9.
1905 C, 368.
1906 A, 324.
Arldt, T. 1907 D, 647.
1912 A, 700.
Beddard, F. E. 1902 A, 206.
Case, E. C. 1899 B, 170.
Cope, E. D. 1872 VV, 1 (Bathmodontidæ).
Gregory, W. K. 1910 A, 358.
Hoernes, R. 1886 A, 665.
Malaquin, A. G. 1900 A, 262 ("coryphodontides").
Matthew, W. D. 1909 C, 94, 102.
1914 B, 387.
1921 D, 214.
Osborn, H. F. 1909 D, 123.
Scott, W. B. 1913 A, 443, 678.
Steinmann, G. 1907 A, 480.
Stromer, E. 1912 A, 210.
Trouessart, E. L. 1905 A, 581.
Weber, M. 1904 A, 701.
Weber and Abel 1928 A, 426, 626, 692, 695.
Winge, H. 1906 A, 69, 72 (Coryphodontidæ, Coryphodontini).
Wood, H. E. 1923 A, 601, 604.
Zittel and Schlosser 1911 A, 508.
1923 A, 598, 602.

CORYPHODON Owen. Type *C. eocænus* Owen.

Hay, O. P. 1902 A, 697.
Abel, O. 1912 F, 229, 573, 667.
1913 B, 747, fig. 70.
1920 A, 439, fig. 667.
Ameghino, F. 1889 A, 619, 962.
1904 A, 369, 370 (Ectacodon); 529 (Coryphodon).
1905 C, 350 (Bathmodon).
Anthony, R. 1912 A.
Arldt, T. 1907 D, 253.
Baird, S. F. 1876 A, 822 (Bathmodon).
Beddard, F. E. 1902 A, 206.
Boule, M. 1902 B, 911.
Bronn, H. G. 1849 A, 705.
Case, E. C. 1899 B, 170.
Chardin, P. T. 1920 A, 1161.
1921 A, 171.
1922 A, 82.
1924 A, 13.
1927 A, 29, text-fig. 29.
Cope, E. D. 1872 VV, 1 (Bathmodon, Metalophodon).
1878 JJ, 67.
1880 U, 148.
Depéret, C. 1902 A, 323.
1902 C, 345.
1902 D, 1281.
1904 B, 23, fig. 8.
1905 C, 703.
1908 A, 111.
1912 A, 706.
Dollo and Chardin 1924 A, 15.
Flower, W. H. 1873 B, 99.
Gaudry, A. 1893 A, 22.
1896 A, 63, 148, fig. 58.
1906 A, 18.
1906 B, 111.
Gervais, P. 1859 A, 127.
Gidley, J. W. 1917 A, 433.
1918 B, 59.
Giebel, C. G. 1883 A, 114.
Granger, W. 1914 A, 202, 204.
Gregory, W. K. 1912 F, 285.
Haug, E. 1911 A, 1528.
Hay, O. P. 1911 B, 400.
Heilprin, A. 1887 A, 367.
Hoernes, R. 1886 A, 666.
Hutchinson, H. N. 1910 A, 251, pl. xl.
Huxley, T. H. 1870 F, 537, 544.
Knipe, H. R. 1912 A, 122, fig.
Leche, W. 1905 A, 583.
Lemoine, V. 1889 A, 255.
Loomis, F. B. 1905 C, 296.
Lucas, F. A. 1902 B, 225, fig.
Lull, R. S. 1917 B, 555, 582, fig. 179.
1918 C, 134.
Lydekker, R. 1903 B, 201.
Malaquin, A. G. 1900 A, 261.
Matthew, W. D. 1909 B, 361.
1909 C, 102.
1915 K, 415, 416, 421, 465.
1918 H, 609.
1921 D, 212, 219.
1924 E, 749.
1926 D, 453, fig. 4.
1928 B, 963, 968, 970, fig. 11.
Moreau, L. 1914 A, 83, fig. 1.
Osborn, H. F. 1898 V, 206.
1904 F, 47.
1905 I, pl. i, fig. 2; pl. ii, fig. 2.
1907 G, 166, figs. 141, 143.
1909 D, 23, 123.
1910 A, 205.
1910 B, 611, figs. 30, 31, 71c.
1912 G, 236, fig. 3.
1917 B, 259, fig.

Osborn, H. F. 1919 B, 558.
Owen, R. 1845 B, 607, pl. cxxxv, fig. 9.
1868 A, 874.
1879 C, 581.
Palacký, J. 1903 B, 307.
Palmer, T. S. 1904 A, 200, 907 (Coryphodon); 251, 907 (Ectacodon); 399, 907 (Manteodon).
Peale, A. C. 1876 A, 153 (Bathmodon, Metalophodon).
Reynolds, S. H. 1897 A, 433, 473, 510, 519, 525.
Schlosser, M. 1898 B, 367.
1899 I, 349.
1901 I, 460.
1902 E, 473 (Coryphodon); 478 (Ectacodon, Bathmodon, Metalophodon, Manteodon).
1903 G, 145.
1911 A, 139.
1921 A, 134.
Schmidt, O. 1886 A, 132, 192, 284, figs. 13, 14.
Schuchert and Levene 1927 A, 334, fig.
Scott, W. B. 1913 A, 275, 277, 678.
Seeley, H. G. 1886 A, 470 (Coryphodon); 470, 471 (Metalophodon).
Shufeldt, R. W. 1889 D, 15.
Stanton, T. W. 1909 A, 276.
Stehlin, H. G. 1905 A, 555.
Steinmann, G. 1907 A, 480, fig. 833.
1908 A, 259, figs. 166, 167.
Stromer, E. 1908 B, 169.
Trouessart, E. L. 1905 A, 581.
Underhill, B. M. 1907 A, 118.
1910 A, 80.
Wallace, A. R. 1876 A, 1, 126 (Coryphodon); 136 (Bathmodon).
Weber, M. 1904 A, 700.
Weber and Abel 1928 A, xxi, xxiii, 414, 692, figs. 257, 483.
Weber and Burlet 1927 A, 149, fig. 114.
Wegemann, C. H. 1918 A, 58.
Winge, H. 1906 A, 76 (Coryphodon, Manteodon).
Wood, H. E. 1923 A, 599.
Woodward, A. S. 1898 D, 329, 335.
1904 C, 192.
1923 C, 50.
Wortman, J. L. 1903 A, xv, 431.
Zittel and Schlosser 1911 A, 508.
1923 A, 598, 665, 666.

Coryphodon anax Cope.

Hay, O. P. 1902 A, 698
Gaudry, A. 1906 A, 13, fig. 20.
Schlosser, M. 1902 E, 479 (C. anex, C. pachypus).
Seeley, H. G. 1886 A, 471 (Bathyopsis pachypus).
Trouessart, E. L. 1905 A, 581 (Syn. of C. lobatus).
Weber and Abel 1928 A, 693.
Zittel and Schlosser 1911 A, 508, fig. 703.
1923 A, 598, fig. 744.
Lower Eocene (Wasatch); Wyoming.

Coryphodon armatus (Cope).

Hay, O. P. 1902 A, 698.
Cope, E. D. 1874 B, 437.
Loomis, F. B. 1907 B, 357.
Matthew, W. D. 1909 C, 94.
Schlosser, M. 1902 E, 478, 479.
Trouessart, E. L. 1905 A, 582.
Lower Eocene (Wasatch); Wyoming.

Coryphodon cinctus (Cope).

Hay, O. P. 1902 A, 698.
Ameghino, F. 1904 A, 369, 370, fig. 482.
Loomis, F. B. 1907 B, 357.
Schlosser, M. 1902 E, 479.
Trouessart, E. L. 1905 A, 581.
Lower Eocene (Wasatch); Wyoming.

Coryphodon curvicristis Cope.

Hay, O. P. 1902 A, 698.
Matthew, W. D. 1909 C, 94.
Rogers, A. F. 1924 A, 545 (C. curvicristus).
Schlosser, M. 1902 E, 479.
Trouessart, E. L. 1905 A, 582.
Lower Eocene (Wasatch); Wyoming.

Coryphodon cuspidatus Cope.

Hay, O. P. 1902 A, 698.
Loomis, F. B. 1907 B, 357.
Merrill, G. P. 1907 A, 25 (Bathmodon); 28 (Coryphodon).
Schlosser, M. 1902 E, 479.
Trouessart, E. L. 1905 A. 582.
Lower Eocene (Wasatch); New Mexico.

Coryphodon elephantopus Cope.

Hay, O. P. 1902 A, 698.
Cope, E. D. 1885 FF, 791, 797, figs. 1, 7.
1891 N, 62, 63, 81, figs. 32c, 53.
Loomis, F. B. 1907 B, 357.
Matthew, W. D. 1909 C, 94.
Merrill, G. P. 1907 A, 25 (Bathmodon); 29 (Coryphodon).
Neumayer, L. 1906 A, 100.
Reeside, J. B. 1924 A, 46.
Schlosser, M. 1902 E, 479.
Seeley, H. G. 1886 A, 470.
Shufeldt, R. W. 1889 D, 14, fig.
Trouessart, E. L. 1905 A, 581.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Coryphodon hamatus Marsh.

Hay, O. P. 1902 A, 698.
Abel, O. 1912 F, 229, figs. 157, 179.
1914 A, 188, fig. 144.
1919 A, 817, fig. 616.
1920 A, 440, fig. 668.
Ameghino, F. 1904 A, 369.
Matthew, W. D. 1909 C, 94.
Reynolds, S. H. 1897 A, 510, fig. 107.
Schlosser, M. 1902 E, 479.
Trouessart, E. L. 1905 A, 582.
Zittel and Schlosser 1911 A, 509, fig. 704.
1923 A, 599, fig. 745.
Lower Eocene (Wasatch); Wyoming.

Coryphodon latidens Cope.

Hay, O. P. 1902 A, 699.
Matthew, W. D. 1909 C, 94.
Merrill, G. P. 1907 A, 25 (Bathmodon); 29 (Coryphodon).
Reeside, J. B. 1924 A, 46.
Schlosser, M. 1902 E, 479.

Trouessart, E. L. 1905 A, 582.
Lower Eocene (Wasatch); New Mexico, Wyoming.

Coryphodon latipes Cope.

Hay, O. P. 1902 A, 699.
Cope, E. D. 1874 B, 441 (Bathmodon).
Osborn, H. F. 1912 G, 235, fig. 2.
Schlosser, M. 1902 E, 479.
Trouessart, E. L. 1905 A, 582.
Lower Eocene (Wasatch); Wyoming.

Coryphodon lobatus Cope.

Hay, O. P. 1902 A, 699.
Abel, O. 1912 F, 229.
Ameghino, F. 1905 A, 42.
1905 C, 375, fig. 14.
Gidley, J. W. 1926 E, 41 (This species?).
Loomis, F. B. 1907 B, 357.
Matthew, W. D. 1909 C, 94.
Reeside, J. B. 1924 A, 46.
Schlosser, M. 1902 E, 479.
Trouessart, E. L. 1905 A, 581.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Coryphodon marginatus Cope.

Hay, O. P. 1902 A, 699.
Schlosser, M. 1902 E, 479.
Trouessart, E. L. 1905 A, 581.
Lower Eocene (Wasatch); Wyoming.

Coryphodon molestus Cope.

Hay, O. P. 1902 A, 699.
Merrill, G. P. 1907 A, 25 (B. molestus, B. simus); 29 (Coryphodon molestus, C. simus).
Schlosser, M. 1902 E, 479 (C. molestus, C. lomas, C. simus).
Trouessart, E. L. 1905 A, 582 (Syn. of C. cuspidatus).
Wegemann, C. H. 1918 A, 58.
Lower Eocene (Wasatch); New Mexico, Wyoming.

Coryphodon obliquus Cope.

Hay, O. P. 1902 A, 699.
Merrill, G. P. 1907 A, 29.
Schlosser, M. 1902 E, 479.
Trouessart, E. L. 1905 A, 581 (Syn. of C. elephantopus).
Lower Eocene (Wasatch); New Mexico.

Coryphodon radians Cope.

Hay, O. P. 1902 A, 699.
Ameghino, F. 1905 A, 42, fig. 47.
1905 C, 375, fig. 15.
Beddard, F. E. 1902 A, 208, fig. 115.
Cope, E. D. 1874 B, 441 (Bathmodon).
Cossmann, M. 1901 B, 186.
Matthew, W. D. 1909 C, 94.
Merrill, G. P. 1907 A, 29.
Osborn, H. F. 1904 F, 47 ("Coryphodon").
1909 D, 39.
1912 G, 235, fig. 2.
Schlosser, M. 1901 C, 462.
1901 I, 460.
1902 E, 478, 479.
Trouessart, E. L. 1905 A, 582.
Lower Eocene (Wasatch); Wyoming.

Coryphodon repandus Cope.

Hay, O. P. 1902 A, 700.
Schlosser, M. 1902 E, 479.
Trouessart, E. L. 1905 A, 581.
Lower Eocene (Wasatch); Wyoming.

Coryphodon semicinctus Cope.

Hay, O. P. 1902 A, 700.
Cope, E. D. 1874 B, 441 (Bathmodon).
Osborn, H. F. 1905 H, 213 ("Loxolophodon").
1909 D, 39 (Coryphodon); 55 (Loxolophodon).
1912 G, 235, fig. 2.
Schlosser, M. 1902 E, 479.
Lower Eocene (Wasatch); Wyoming.

Coryphodon singularis Osborn.

Hay, O. P. 1902 A, 700.
Matthew, W. D. 1909 C, 94.
Schlosser, M. 1902 E, 479.
Lower Eocene (Wind River); Wyoming.

Coryphodon subquadratus (Cope).

Hay, O. P. 1902 A, 700.
Ameghino, F. 1904 A, 529, figs. 64, 471, 472, 474, 476, 478.
1906 A, 323, fig. 145.
Schlosser, M. 1902 E, 479.
Trouessart, E. L. 1905 A, 582 (Syn. of C. hamatus).
Lower Eocene (Wasatch); Wyoming.

Coryphodon testis (Cope).

Hay, O. P. 1902 A, 700.
Abel, O. 1913 B, 747, fig. 69 (C. teste).
1914 A, 189, fig. 145.
Ameghino, A. 1904 A, 357, fig. 469.
Granger, W. 1910 A, 239 (This species?).
Heilmann, G. 1926 A, 163, fig. 116.
Loomis, F. B. 1907 B, 357.
Matthew, W. D. 1909 C, 94.
Osborn, H. F. 1899 K, 273, fig. 3.
1904 F, 3, 27, fig. 1.
1924 D, 5.
Schlosser, M. 1902 E, 479.
Scott, W. B. 1913 A, 279 (fig. 142).
Stromer, E. 1912 A, 210, figs. 198, 199.
Trouessart, E. L. 1905 A, 581.
Wood, H. E. 1923 A, 600, figs. 1, 2.
Zittel and Schlosser 1911 A, 508, fig. 702.
1923 A, 598, fig. 743.
Lower Eocene (Wasatch); Wyoming.

Coryphodon ventanus Osborn.

Hay, O. P. 1902 A, 700.
Matthew, W. D. 1909 C, 94.
Osborn, H. F. 1909 D, 49.
Schlosser, M. 1902 E, 479.
Trouessart, E. L. 1905 A, 582.
Lower Eocene (Wind River); Wyoming, Colorado.

Coryphodon wortmani Osborn.

Hay, O. P. 1902 A, 700.
Matthew, W. D. 1909 C, 94.

Schlosser, M. 1902 E, 479.
Trouessart, E. L. 1905 A, 581.
Lower Eocene (Wind River); Wyoming.

Coryphodon sp. indet.

Gidley, J. W. 1917 B, 59. Lower Eocene (Wasatch); Colorado, Wyoming.
1926 E, 41. Lower Eocene (Wasatch); Wyoming.
Loomis, F. B. 1907 B, 357. Lower Eocene (Wasatch); Wyoming.
Merrill, G. P. 1907 A, 29-31.
Reeside, J. B. 1924 A, 46. Lower Eocene (Wasatch); Wyoming.
Sinclair and Granger 1911 A, 91. Lower Eocene (Wasatch); Wyoming.

EOBASILEIDÆ Cope.

Cope, E. D. 1873 X, 292.
Hay, O. P. 1902 A, 701 (Tinoceridæ); 700 (Bathyopsidæ).
Abel, O. 1913 B, 729 (Uintatheriidæ).
1919 A, 818 (Dinoceratidæ).
1922 C, 260 ("uintatherien").
Ameghino, F. 1905 C, 368, 375 (Uintatheridæ).
1906 A, 323 (Uintatheridæ).
Arldt, T. 1907 D, 650 (Dinoceratidæ).
1912 A, 700 (Uintatheridæ, Bathyopsidæ).
Case, E. C. 1899 B, 170 (Dinocerotidæ).
Cope, E. D. 1873 FF, 3.
Flower, W. H. 1876 B, XIII, 387 (Uintatheriidæ).
Gregory, W. K. 1910 A, 358 (Uintatheriidæ).
Hoernes, R. 1886 A, 667 (Dinoceratidæ).
Lydekker, R. 1914 A, 635 (Uintatheriidæ).
Matthew, W. D. 1909 C, 94, 97, 99, 102 (Eobasileidæ); 94, 97 (Uintatheriidæ).
1909 D, 301 (Eobasileidæ, Uintatheriidæ).
Matthew, W. D. 1914 B, 387.
1921 D, 214.
Osborn, H. F. 1909 D, 42, 45, 52, 57 (Uintatheriidæ).
1910 B, 132, 547 (Uintatheriidæ).
Palmer, T. S. 1904 A, 775, 908 (Uintatheriidæ).
Reynolds, S. H. 1897 A, 364, 434 (Uintatheriidæ).
Scott, W. B. 1913 A, 269, 443, 692 (Uintatheriidæ).
Trouessart, E. L. 1905 A, 585 (Uintatheriidæ); 582 (Bathyopsidæ).
Van Bemmelen, J. F. 1918 A, 572 (Dinoceratidæ).
Weber and Abel 1928 A, 426, 626, 693 (Dinoceratidæ).
Wood, H. E. 1923 A, 601, 604 (Uintatheriidæ).
Zittel and Schlosser 1911 A, 508 (Dinoceratidæ).
1923 A, 599, 667 (Dinoceratidæ).

BATHYOPSIS Cope. Type *B. fissidens* Cope.

Hay, O. P. 1902 A, 700.
Granger, W. 1910 A, 243.
1914 A, 204.
Haug, E. 1911 A, 1528.
Lydekker, R. 1914 A, 635.
Matthew, W. D. 1909 C, 102.
1928 B, 963, 970.
Matthew and Granger 1925 D, 5.
Osborn, H. F. 1907 G, 168, fig. 146.
1909 D, 44, 45, 47.
1910 B, 119, 130, 132, 137.
1912 G, 236, fig. 3.
1913 D, 417.
1919 B, 558.
1924 D, 2.
Palmer, T. S. 1904 A, 134, 908.
Schlosser, M. 1902 E, 473 (Bathiopsis).
Schuchert, C. 1910 A, 599.
Scott, W. B. 1913 A, 275, 450, 455, 676.
Seeley, H. G. 1886 A, 470.
Trouessart, E. L. 1905 A, 582.
Weber and Abel 1928 A, 692, 695, fig. 483.
Wood, H. E. 1923 A, 599.
Zittel and Schlosser 1911 A, 508 (Syn. of Coryphodon).
1923 A, 599, 666 (Syn. of Coryphodon).

Bathyopsis fissidens Cope.

Hay, O. P. 1902 A, 700.
Abel, O. 1914 A, 191, fig. 147.
1922 C, 261, figs. 213, 214.
Matthew, W. D. 1909 C, 94.
Osborn, H. F. 1913 D, 417, pls. lxiv-lxvi; text-fig. 1 (This species?).
Trouessart, E. L. 1905 A, 582.
Lower Eocene (Wind River); Wyoming.

Bathyopsis sp. indet.

Sinclair and Granger 1912 A, 60. Paleocene (Fort Union?); Wyoming.
Wood, H. E. 1923 A, 601. Lower Eocene or Paleocene (Clark Fork); Wyoming.

UINTATHERIUM Leidy. Type *U. robustum* Leidy.

Hay, O. P. 1902 A, 701 (Uintatherium); 702 (Dinoceras); 703 (Tinoceras).
Abel, O. 1912 F, 573.
1922 C, 261, fig. 215.
Ameghino, F. 1904 A, 367 (Uintatherium); 387 (Dinoceras).
1905 A, 63 (Uintatherium); 389 (Dinoceras).
Andrews, C. W. 1906 A, xix.
Baird, S. F. 1876 A, 357.
Beddard, F. E. 1902 A, 206, 210 (Tinoceras, Dinoceras).
Boule, M. 1902 B, 911, fig. 20 (Dinoceras).
Cook, H. J. 1926 A, 8 ("uintatheres").
Cope, E. D. 1873 FF, 2 (Tinoceras).
Delafontaine, M. 1875 A, 173 (Dinoceras, Tinoceras).
Depéret, C. 1902 A, 324 (Dinoceras).
Eastman, C. R. 1912 C, 659.
Gaudry, A. 1896 A, 87 (Dinoceras).
1898 A, 128.
1906 A, 7, 17 (Dinoceras).
1906 B, 111 (Dinoceras).
Gidley, J. W. 1917 A, 433.
Granger, W. 1909 A, 22.

Gregory, W. K. 1912 F, 285.
1920 A, 181, fig. 141 (Dinoceras).
Haug, E. 1911 A, 1528 (Uintatherium, Dinoceras, Tinoceras).
Heilprin, A. 1887 A, 367 (Uintatherium, Dinoceras, Tinoceras).
Hoernes, R. 1886 A, 667 (Dinoceras).
1912 A, 661 (Dinoceras).
Hutchinson, H. N. 1910 A, 254, pl. xli (Tinoceras).
Lankester, E. R. 1905 A, 149 (Dinoceras).
Leche, W. 1887 A (Dinoceras).
Loomis, F. B. 1921 A, 192.
Lucas, F. A. 1902 B, 228, fig.
Lull, R. S. 1917 B, 301, 556, fig. 180 (Dinoceras).
Matthew, W. D. 1909 C, 102.
1915 K, 464, fig. 36 (Dinoceras).
1924 E, 748.
1928 B, 963, 969, fig. 11.
Matthew and Granger 1925 D, 5 ("Dinoceras").
Osborn, H. F. 1898 V, 206.
1905 H, 213 (Tinoceros).
1905 L, 567.
1907 G, 166, fig. 142.
1909 D, 23, 51, 52, 53.
1910 A, 206.
1910 B, 166, 547 (Tinoceras); 155, 163-166, 173, 547, fig. 71 (Uintatherium).
1912 G, 237, 241, fig. 6.
1913 D, 419.
1917 B, 259 (Dinoceras).
1924 D, 2, 4 (Dinoceras); 4 (Uintatherium).
Oswald, F. 1909 A, 567.
Palmer, T. S. 1904 A, 699, 908 (Uintatherium); 680, 908 (Tinoceras); 232, 908 (Dinoceras).
Reynolds, S. H. 1897 A, 433, 473, 510, 514, 519, 558.
Schlosser, M. 1899 I, 349.
1901 A, 491.
1902 E, 473.
1911 A, 140.
Schuchert, C. 1910 A, 599.
Schuchert and Levene 1927 A, 333, fig.
Scott, W. B. 1913 A, 444, 449, 451.
Seeley, H. G. 1886 A, 473 (Uintatherium, Loxolophodon).
Steinmann, G. 1908 A, 262, figs. 168, 170, 171 (Dinoceras).
Thorpe, M. R. 1922 B, 282 (Dinoceras).
Trouessart, E. L. 1905 A, 586 (Uintatherium, Dinoceras, Tinoceras).
Wallace, A. R. 1876 A, 1, 139 (Uintatherium, Dinoceras).
Wasmuth, P. 1905 A, 61 (Dinoceras).
Weber, M. 1904 A, 702 (Tinoceras).
Weber and Abel 1928 A, 693, 694, fig. 486.
Winge, H. 1906 A, 76 (Dinoceras).
Wood, H. E. 1923 A, 599.
Wortman, J. L. 1921 A, 186.
Zittel and Schlosser 1911 A, 509.
1923 A, 599 (Uintatherium); 600 (Tinoceras).

Uintatherium affine (Marsh).

Hay, O. P. 1902 A, 704 (Tinoceras).
Matthew, W. D. 1909 C, 97.
Middle Eocene (Bridger); Wyoming.

Uintatherium agreste (Marsh).

Hay, O. P. 1902 A, 702 (Dinoceras).
Matthew, W. D. 1909 C, 97.
Middle Eocene (Bridger); Wyoming.

Uintatherium alticeps Scott.

Hay, O. P. 1902 A, 702.
Scott, W. B. 1913 A, 445, 447, figs. 230, 231.
Trouessart, E. L. 1905 A, 587.
Weber and Abel 1928 A, 694, fig. 485.
Middle Eocene (Bridger); Wyoming.

Uintatherium anceps (Marsh).

Hay, O. P. 1902 A, 704 (Tinoceras).
Matthew, W. D. 1909 C, 97.
Middle Eocene (Bridger); Wyoming.

Uintatherium annectens (Marsh).

Hay, O. P. 1902 A, 704 (Tinoceras).
Matthew, W. D. 1909 C, 97.
Middle Eocene (Bridger); Wyoming.

Uintatherium crassifrons (Marsh).

Hay, O. P. 1902 A, 704 (Tinoceras).
Matthew, W. D. 1909 C, 97.
Middle Eocene (Bridger); Wyoming.

Uintatherium cuneum (Marsh).

Hay, O. P. 1902 A, 703 (Dinoceras).
Middle Eocene (Bridger); Wyoming.

Uintatherium distans (Marsh).

Hay, O. P. 1902 A, 703 (Dinoceras).
Cope, E. D. 1873 FF, 7 (Tinoceras).
Merrill, G. P. 1907 A, 34 (Dinoceras).
Middle Eocene (Bridger); Wyoming.

Uintatherium grande (Marsh).

Hay, O. P. 1902 A, 704 (Tinoceras).
Matthew, W. D. 1909 C, 97.
Middle Eocene (Bridger); Wyoming.

Uintatherium hians (Marsh).

Hay, O. P. 1902 A, 705 (Tinoceras).
Matthew, W. D. 1909 C, 97.
Middle Eocene (Bridger); Wyoming.

Uintatherium ingens (Marsh).

Hay, O. P. 1902 A, 705 (Tinoceras).
Ameghino, F. 1905 A, 42, fig. 46 (Tinoceras).
1905 C, 377, fig. 16 (Tinoceras).
Boule, M. 1902 B, 911, fig. 18 (Dinoceras).
Cook, H. J. 1926 A, 8.
Koken, E. 1893 B, 477 (Tinoceras).
Lull, R. S. 1917 B, 557, fig. 181 (Tinoceras).
Matthew, W. D. 1909 C, 97.
Shufeldt, R. W. 1889 D, 4, fig. (Tinoceras).
1916 B, 40 (Tinoceras).
Woodward, A. S. 1898 B, 297, fig. 170 (Tinoceras).
1923 C, 50, fig. 37 (Tinoceras).
Middle Eocene (Bridger); Wyoming.

Uintatherium jugum (Marsh).

Hay, O. P. 1902 A, 705 (Tinoceras).
Middle Eocene (Bridger); Wyoming.

Uintatherium lacustre (Marsh).

Hay, O. P. 1902 A, 705 (Tinoceras).
Middle Eocene (Bridger); Wyoming.

Uintatherium laticeps (Marsh).

Hay, O. P. 1902 A, 703 (Dinoceras).
Abel, O. 1922 C, 181, fig. 146.
1925 A, 21, fig. 18.
Ameghino, F. 1905 C, 378, fig. 17.
Matthew, W. D. 1909 C, 97.
Middle Eocene (Bridger); Wyoming.

Uintatherium latifrons Marsh.

Hay, O. P. 1902 A, 702.
Matthew, W. D. 1909 C, 97.
Middle Eocene (Bridger); Wyoming.

Uintatherium latum (Marsh).

Hay, O. P. 1902 A, 705 (Tinoceras).
Middle Eocene (Bridger); Wyoming.

Uintatherium leidianum Osborn, Scott and Speir.

Hay, O. P. 1902 A, 702.
Matthew, W. D. 1909 C, 97 (U. leidyanum).
Middle Eocene (Bridger); Wyoming.

Uintatherium longiceps (Marsh).

Hay, O. P. 1902 A, 705 (Tinoceras).
Matthew, W. D. 1909 C, 97.
Middle Eocene (Bridger); Wyoming.

Uintatherium lucare (Marsh).

Hay, O. P. 1902 A, 703 (Dinoceras).
Matthew, W. D. 1909 C, 97.
Wood, H. E. 1923 A, 602, fig. 3.
Middle Eocene (Bridger); Wyoming.

Uintatherium mirabile (Marsh).

Hay, O. P. 1902 A, 703 (Dinoceras).
Abel, O. 1912 F, 581, fig. 451
1913 B, 747, fig. 71.
1914 A, 191, fig. 148.
Ameghino, F. 1904 A, 68, 371, 389, fig. 65.
1905 A, 40, figs. 44, 45.
1905 C, 378, figs. 18, 19.
Boule, M. 1891 A, 33, fig. 10 (Dinoceras).
Cope, E. D. 1873 FF, 2, 8.
Gaudry, A. 1906 A, 13, 15, figs. 16, 28 (Dinoceras).
Lankester, E. R. 1905 A, 148, figs. 104, 105 (Dinoceras).
Lull, R. S. 1917 B, 557, fig. 181.
Matthew, W. D. 1909 C, 97.
Osborn, H. F. 1910 B, 155, fig. 56.
Reynolds, S. H. 1897 A, 516, fig. 108.
Schmidt, O. 1886 A, 241, fig. 44 (Dinoceras).
Shufeldt, R. W. 1889 D, 8, fig. (Dinoceras).
Thorpe, M. R. 1922 B, 282 (Dinoceras).
Trouessart, E. L. 1905 A, 585 (Dinoceras).
Weber and Abel 1928 A, 693, fig. 484.
Zittel and Schlosser 1911 A, 509, figs. 705, 706.
1923 A, 599, figs. 746, 747.
Middle Eocene (Bridger); Wyoming.

Uintatherium princeps Osborn, Scott and Speir.

Hay, O. P. 1902 A, 702.
Trouessart, E. L. 1905 A, 587.
Middle Eocene (Bridger); Wyoming.

Uintatherium pugnax (Marsh).

Hay, O. P. 1902 A, 705 (Tinoceras).
Matthew, W. D. 1909 C, 97.
Wood, H. E. 1923 A, 602, fig. 3.
Middle Eocene (Bridger); Wyoming.

Uintatherium reflexum (Marsh).

Hay, O. P. 1902 A, 703 (Dinoceras).
Middle Eocene (Bridger); Wyoming.

Uintatherium robustum Leidy.

Hay, O. P. 1902 A, 702.
Cope, E. D. 1873 FF, 1, 8.
Matthew, W. D. 1909 C, 97.
Ruschenberger and Tryon 1879 A, 14.
Middle Eocene (Bridger); Wyoming.

Uintatherium segne Marsh.

Hay, O. P. 1902 A, 702.
Middle Eocene (Bridger); Wyoming.

Uintatherium speirianum (Osborn).

Hay, O. P. 1902 A, 705 (Tinoceras).
Cook, H. J. 1926 A, 8.
Matthew, W. D. 1909 C, 97 (This genus?).
Middle Eocene (Bridger); Wyoming.

Uintatherium stenops (Marsh).

Hay, O. P. 1902 A, 705 (Tinoceras).
Matthew, W. D. 1909 C, 97.
Wood, H. E. 1923 A, 600, figs. 1, 4.
Middle Eocene (Bridger); Wyoming.

Uintatherium vagans (Marsh).

Hay, O. P. 1902 A, 705 (Tinoceras).
Matthew, W. D. 1909 C, 97.
Middle Eocene (Bridger); Wyoming.

Uintatherium sp. indet.

Hay, O. P. 1902 A, 702.
Figgins, J. D. 1925 A, 17. Eocene; Colorado.
Matthew, W. D. 1909 C, 97. Eocene (Huerfano); Colorado.

UINTACOLOTHERIUM Cook. Type *U. blayneyi* Cook.

Cook, H. J. 1926 A, 7.

Uintacolotherium blayneyi Cook.

Cook, H. J. 1926 A, 7, 5 pls.
1926 B, 12.
Middle Eocene (Bridger); Colorado.

ELACHOCERAS Scott. Type *E. parvum* Scott.

Hay, O. P. 1902 A, 705.
Heilprin, A. 1887 A, 367.
Osborn, H. F. 1913 D, 420.
Palmer, T. S. 1904 A, 253, 908.
Scott, W. B. 1913 A, 451, 455.
Zittel and Schlosser 1923 A, 599.

Elachoceras parvum Scott.

Hay, O. P. 1902 A, 705.
Osborn, H. F. 1913 D, 419, figs. 2-4.
Scott, W. B. 1913 A, 449, fig. 232.
Middle Eocene (Bridger); Wyoming.

EOBASILEUS Cope. Type *E. pressicornis* Cope.

Cope, E. D. 1872 RR, 2.
Hay, O. P. 1902 A, 706.
Abel, O. 1913 B, 747, fig. 72.
1914 A, 192, fig. 149.
1920 A, 440, fig. 669.
1922 C, 263, fig. 216.
Cope, E. D. 1872 SS, 1 (Loxolophodon).
Gaudry, A. 1893 A, 22 (Loxolophodon).
Granger, W. 1909 A, 22.
Heilprin, A. 1887 A, 367.
Matthew, W. D. 1909 C, 97, 102.
1924 E, 748 (Eobashæus).
1928 B, 970.
Osborn, H. F. 1909 D, 23, 53, 54, 56.
1910 A, 208.
1910 B, 614, figs. 49, 66.
Palmer, T. S. 1912 G, 237, 241, fig. 6.
1924 D, 5.
1904 A, 262, 908.
Schuchert, C. 1910 A, 599.
Scott, W. B. 1913 A, 449, 451, 455.
Trouessart, E. L. 1905 A, 587.
Wallace, A. R. 1876 A, 1, 139.

Eobasileus cornutus Cope.

Cope, E. D. 1872 RR, 2.
Hay, O. P. 1902 A, 704 (Tinoceras).
Cope, E. D. 1872 SS, 2 (Loxolophodon).
1873 FF, 1 (Loxolophodon).
1891 N, 82, fig. 54 (Loxolophodon).
Granger, W. 1909 A, 14, 19.
Matthew, W. D. 1909 C, 99.
Osborn, H. F. 1904 F, 42 (Uintatherium).
Seeley, H. G. 1886 A, 472, fig. (Loxolophodon).
Williams, H. S. 1897 A, 678, fig.
Upper Eocene (Uinta); Wyoming.

Eobasileus furcatus Cope.

Hay, O. P. 1902 A, 706.
Cope, E. D. 1872 SS, 2 (Loxolophodon).
1873 FF, 1.
Matthew, W. D. 1909 C, 99.
Seeley, H. G. 1886 A, 472.
Upper Eocene (Washakie?); Wyoming?

Eobasileus galeatus Cope.

Hay, O. P. 1902 A, 704 (Tinoceras).
Matthew, W. D. 1909 C, 99.
Upper Eocene (Uinta?); Wyoming.

Eobasileus pressicornis Cope.

Hay, O. P. 1902 A, 706.
Cope, E. D. 1872 SS, 2 (Loxolophodon).
1873 FF, 1.
Matthew, W. D. 1909 C, 99.
Seeley, H. G. 1886 A, 472.
Upper Eocene (Uinta?); Wyoming?

Eobasileus sp. indet.

Matthew, W. D. 1909 C, 99. Upper Eocene (Washakie); Wyoming.

Order PROBOSCIDEA Illiger.

Illiger, C. 1811 A, 96.
Hay ,O. P. 1902 A, 706.
Abel, O. 1907 C, (79) ("proboscidier").
1910 B, (186) ("proboscidier").
1912 F, 242, 547 ("proboscidier").
1913 B, 729, 748.
1914 A, 122, 191.
1919 A, 819.
1920 A, 440.
1922 B, 2 ("proboscidier").
Adloff, P. 1902 A, 197.
1903 A, 359 ("proboscidier").
1910 B, 232 ("proboscidier").
Ameghino, F. 1889 A, 1023.
1893 B, 443 ("proboscideans").
1901 A, 386.
1902 A, 19.
1902 B, 7 ("proboscideos").
1906 A, 329 ("proboscidiens").
1912 B, 170 ("proboscidien").
Anderson, R. J. 1902 A, 1121.
1912 D, 252.
Andrews, C. W. 1901 A, 409.
1902 A, 295.
1903 B, 99-118.
Andrews, C. W. 1903 C, 1.
1903 E, 225.
1906 A, xv, 99.
1908 A, 393.
1908 D, 4, 45.
1909 C, 305.
1912 A, 454.
1921 B, 533 ("elephants and mastodons").
1922 B, 1, 47.
1924 A, 304.
Arldt, T. 1907 C, 677.
1907 D, 676.
Bach, F. 1910 A ("proboscidier").
Barbour, E. H. 1914 B, 177.
1915 B, 221.
Bardeleben, K. 1885 B, 85.
Beddard, F. E. 1902 A, 216.
Behlen, H. 1906 A, 197 ("proboscidier").
Berry, E. W. 1922 A, 108.
Boas, J. E. V. 1914 B, 587, fig. 38.
Bolk, L. 1913 A, 120 ("proboscidier").
1922 A, 124.
Boule, M. 1902 B, 913 ("proboscidiens").
Boule and Thevenin 1920 A, 1 ("proboscidiens").
Braus, H. 1906 A, 304 ("proboscidier").

Burmeister, H. 1879 B, 520.
Carus, V. 1875 A, 137.
Case, E. C. 1899 B, 176.
Clark and Sonntag 1926 A, 453, 461, 463.
Cooper, C. F. 1922 D, 609.
Cope, E. D. 1885 BB, 72 (Proboscidia).
1891 N, 67, 84, 90, fig. 55.
Deninger, K. 1913 A, 295.
Depéret, C. 1908 A, 304.
Diener, C. 1909 A, 39.
Dietrich, W. O. 1913 A, 49 ("proboscidier").
1916 A.
Dollo, L. 1889 I, 680 ("proboscidiens").
Doran, A. H. G. 1878 A, 430.
Eales, N. B. 1926 A, 491, 539.
Eastman, C. R. 1904 A, 890.
Fairchild, H. L. 1887 A, 19.
Falconer and Cautley 1847 A.
Falconer and Murchison 1867 A.
Fischer, E. 1903 A, 713.
Frick, C. 1926 B, 123.
Gaudry, A. 1906 A, 709 ("proboscidiens").
1912 A, 8 ("proboscidiens").
Gaupp, E. 1913 A, 125 ("proboscidier").
Gawrilenko, A. 1924 A, 218 ("proboscidier").
Gervais, P. 1852 A, 32 ("proboscidiens").
1859 A, 58 ("proboscidiens").
Giebel, C. G. 1883 A ("proboscidien").
Goodsir, J. 1857 A.
Gray, J. E. 1821 A, 305 (Proboscidiæ).
Gregory, W. K. 1903 A, 387, pl. xxiii, figs. 1-4 (Elephas).
1910 A, 70, 345, 366, 665.
1912 F, 270.
1920 A, 180, 244.
1927 J, 441 ("proboscideans").
Haeckel, E. 1873 A, 544.
Hay, O. P. 1912 D, 655.
1914 A, 328.
1923 B, 109.
1924 E, 110.
Heilprin, A. 1887 A, 365.
Hoernes, R. 1886 A, 683.
Hollard, H. 1864 C, 362 ("proboscidiens").
Huxley, T. H. 1868 C, 318.
1870 F, 532.
Kampfen, P. N. 1905 A, 619.
Kingsley, J. S. 1925 A, 217, 261.
Knottnerus-Meyer, T. 1907 A, 3, 96, 101.
Koken, E. 1893 B, 485 (Proboscidia).
Kükenthal, W. 1913 A, 683.
Laloy, L. 1907 A, 584 ("proboscidiens").
Larger, R. 1913 A, 727 ("proboscidiens").
Lartet, E. 1859 A, 469 ("proboscidiens").
Lavocat, A. 1885 A, 46 ("proboscidiens").
Leche, W. 1887 A.
1900 A, 1030.
1921 A, 72.
Le Damany, P. 1903 G, 322 ("proboscidiens").
Leunis and Ludwig 1883 A, 232.
Lull, R. S. 1904 C, 9.
1908 A, 169 ("elephants").
1909 A, 641, 665 ("proboscidians").
1914 E, 61.
1917 B, 577.
1918 C, 136 ("proboscideans").
Lydekker, R. 1907 B, 68.
1907 E, 673.
Lydekker, R. 1910 F, 663.
Macloskie, G. 1884 A, 215.
Major, C. J. F. 1880 A, 38.
1899 B, 62.
Matsumoto, H. 1923 A, 97-140.
1924 A, 55.
Matthew, W. D. 1909 C, 116, 119, 120.
1910 G, 159.
1910 H, 477 ("proboscideans").
1912 A, 156.
1915 A, 254, 257.
1915 B, 21.
1915 K, 461.
1916 B, 26.
1916 C, 521.
1916 G, 486.
1918 C, 141.
1923 F, 520.
1924 E, 745.
1928 B, 948.
Menmuir, W. H. 1902 A, 275.
Mitchell, P. C. 1905 A, 466.
Moreau, L. 1914 A, 87 ("proboscidiens").
Osborn, H. F. 1902 E, 356, fig. 1.
1905 H, 226, fig. 2.
1905 I, 106.
1905 N, 242.
1906 B, 56.
1907 G, 15, 186.
1907 K, 819.
1909 D, 134.
1909 E, 139.
1910 B, 628.
1912 I, 782.
1915 C, 222.
1917 B, 319.
1918 C, 134.
1919 D, 265 ("proboscideans").
1921 A, 1-15 (Superfamilies Mœritherioidea, Dinotherioidea, Mastodontoidea, Elephantoidea).
1921 D, 6.
1921 E, 231.
1922 D, 721, 722.
1922 G, 448.
1924 J, 114.
1925 A, 5.
1925 B, 17-35.
1925 F, 962 ("proboscideans").
1926 C, 341.
Owen, R. 1857 E.
1858 A, 27.
1868 A, 903.
Paulli, S. 1900 A, 235.
Perrier, E. 1920 A, 357 ("proboscidiens").
Peterson, O. A. 1912 B, 164.
1928 A, 111.
Petronievics, B. 1921 A, 102, 117 ("proboscidiens").
1923 B, 55.
Pictet, F. J. 1853 A, 279 ("proboscidiens").
Pohlig, H. 1886 A.
Popowa, N. 1913 A, 280 ("proboscidier").
Reynolds, S. H. 1897 A, 551.
Rutten, L. M. R. 1909 A, 10.
Scharff, R. F. 1911 A, 230.
Schlesinger, G. 1912 A, 87-182.
Schlosser, M. 1898 B, 360.

Schlosser, M. 1902 J, 257.
1903 G, 145.
1903 I, 178 (Proboscidia).
1911 A, 129, 153.
Schmidt, O. 1886 A, 227 (Proboscidæ).
Schuchert, C. 1915 A, 940.
Schuchert and Levene 1927 A, 348.
Sclater, P. L. 1875 A, 209.
Scott, W. B. 1913 A, 238, 422, 688.
1916 A, 116.
1928 A, 330.
1928 B, 255.
Seeley, H. G. 1886 A, 464.
Shufeldt, R. 1911 A, 73.
Steinmann, G. 1907 A, 481.
1909 A, 81 ("proboscidier").
1912 B, 718 ("proboscidier").
Stromer, E. 1902 B, 561 ("proboscidier").
1912 A, 217, 245.
1916 A, 402, 404.
Terra, P. 1911 A, 333.
Thacker, A. G. 1914 A, 283 ("proboscidians").
1922 A, 600, 603.
Tims, H. W. M. 1903 A, 144.
Trouessart, E. L. 1905 A, 596.
Villada, M. M. 1903 A, 450 ("proboscideos").
Wallace, A. R. 1876 A, I, 500; II, 227, 542.
Weber, M. 1904 A, 589, 715.
Weber and Abel 1928 A, 425, 426, 445, 459, 894 (Subungulata, Proboscidea).
Weber and Burlet 1927 A.
Williston, S. W. 1912 E, 261.
Winge, H. 1906 A, 68, 71, 166, 172 (Proboscidea, Elephantidæ).
Woodward, A. S. 1923 C, 55.
Woodward, H. 1904 B, 157.
Wortman, J. L. 1921 A, 186.
Zietzschmann, O. 1917 A, 440.
Zittel and Schlosser 1911 A, 532.
1923 A, 624, 636.

ELEPHANTIDÆ Gray.

Gray, J. E. 1821 A, 305.
Hay, O. P. 1902 A, 707.
Abel, O. 1912 F, 232, 547, 557 ("elephanten").
1913 B, 729, 750.
1914 A, 192, 197.
1919 A, 826.
1920 A, 445.
Airaghi, C. 1917 A, 197 ("elefantidi").
Ameghino, F. 1889 A, 1011.
Andrews, C. W. 1908 D ("elephants").
1922 B, 1 ("elephants").
Arldt, T. 1907 D, 652.
1912 A, 746 (Elefantidæ).
Barbour, E. H. 1927 A, 133 (Amebelodontidæ).
Beddard, F. E. 1902 A, 217.
Berry, E. W. 1922 A, 108 ("elephants").
Boas, J. E. V. 1914 B, 577 ("elefanten").
Bonaparte, C. L. 1832 A, 9 ("elephantoiden"); 293 (Elephantina).
Branca, W. 1907 A, 9 ("elephanten").
Brandes, G. 1900 A, 103 ("elefanten").
Carus, J. V. 1875 A, 140 (Elephantina).
Chandler, A. C. 1914 B, 139 ("elephants").
Cope, E. D. 1880 U, 152.
1885 EE, 606 ("elephants").
Cuvier, G. 1805 A ("éléphans").
1806 D ("éléphants").
1825 A, I, 1-204, pls. i-xii ("éléphans").
Depéret, C. 1907 B ("éléphants").
1912 A, 709 ("éléphants").
Depéret and Mayet 1923 A.
Dietrich, W. O. 1916 A.
Dollo, L. 1889 I, 681.
Eichwald, E. 1835 A, 694 ("elephantes").
Falconer, H. 1863 A ("elephants").
Gadow, H. 1913 A, 128 ("elephants").
Giebel, C. G. 1883 A ("elephanten").
Grant, E. 1842 A, 770 ("mastodontoid animals").
Gray, J. E. 1825 B, 343.
Gregory, W. K. 1927 J, 440 ("elephants").
Hay, O. P. 1912 D, 655.
1914 A, 328.
1923 A, 5, 312.
Hilzheimer, M. 1913 A, 567 ("elephanten").
Hogben, L. T. 1919 A, 75 ("elephants").
Hutchinson, H. N. 1910 A, 264 ("elephants").
Jacobi, A. 1921 A, 200, 218.
Knottnerus-Meyer, T. 1907 A, 3, 96, 101.
Koch, A. C. 1845 A, 7 ("mastodontoiden").
Köstlin, O. 1844 A ("elephanten").
Kunz, G. F. 1916 A, 323, 330.
Lankester, E. R. 1905 A, 103 ("elephants").
Leunis and Ludwig 1883 A, 233 (Elephantina).
Lobley, J. L. 1908 A, 205.
Lönnberg, E. 1907 B, 53 ("elefanterna").
Lucas, F. A. 1906 A, 157.
Lull, R. S. 1908 A, 169 ("elephants").
1914 E, 61 ("elephants").
1921 B, 160 (Mammotinæ).
Lydekker, R. 1902 B, 374 ("elephants").
1903 D, 124 ("elephants").
1903 E, 169 ("elephants").
Matthew, W. D. 1909 C, 116, 119, 120.
1913 B, 291.
1915 K, fig. 17 ("elephants").
Mayet and Roman 1923 A.
Meckel, J. F. 1825 A ("elephanten").
Natural Science 1898 A, 371 ("elephants").
Osborn, H. F. 1918 C, 135.
1921 E, 234 (Elephantoidea).
1922 G, 455 (Elephantoidea, Mammontinæ, Elephantinæ).
1924 G, 1.
1925 B, 20, 28 (Elephantidæ, "archidiskodonts").
Palacký, J. 1903 B, 313 ("elephanten").
Pander and Alton 1821 B, 3 ("elephanten").
Pompeckj, J. F. 1925 A, 13 ("elephanten").
Pontier, G. 1911 A, 463 ("éléphants").
Raspé, R. E. 1769 A, 126 ("elephanti").
Reynolds, S. H. 1897 A, 364, 434.
Salensky, W. 1903 A, 793.
Schoenichen, W. 1900 A, 501 ("elephanten").
Schwarz, E. 1924 A, 420 ("elephants").
Scott, W. B. 1913 A, 432, 680.
1917 A, 175 ("elephants").
Sellards, E. H. 1915 C, 8 ("elephants").
Soergel, W. 1913 A, 1, 89 ("elephanten").
1914 A, 21 ("elephanten").

Soergel, W. 1915 A, 179, 278 ("elepanten").
1915 B, 1-65.
Stefanescu, S. 1915 A, 100 ("éléphants").
Steinmann, G. 1907 A, 482.
Terra, P. 1911 A, 335.
Thacker, A. G. 1914 A, 283 ("elephants").
Tornier, G. 1909 C, 540 ("elefanten").
Tornquist, A. 1897 A, 683 ("elephanten").
Trouessart, E. L. 1905 A, 599.
Van Bemmelen, J. F. 1918 A, 575.
Vicq-d'Azyr, F. 1792 A, cvii (Elephantini).
Wagner, R. 1843 A ("elephanten").
Wallace, A. R. 1876 A, II, 227.
Weber, M. 1904 A, 724.
Weber and Abel 1928 A, 471.
Winge, H. 1906 A, 71, 166 (Elephantini).
Woodward, A. S. 1898 E, 331 ("elephants").
1923 A, 32 ("elephants").
Wright, G. F. 1911 B, 436, 437, 624 ("elephants").
Zittel and Schlosser 1911 A, 537.
1923 A, 628, 636.

MAMMUTINÆ, new name.

Abel, O. 1914 A, 192 ("tetrabelodontiden").
1922 C, 178 ("mastodonten").
Bach, F. 1910 A, 63 ("mastodontiden").
Capellini, G. 1907 A, 127 (Mastodonti).
Depéret, C. 1923 A, 520 ("mastodontes").
Dietrich, W. O. 1919 A, 55 ("mastodonten").
1921 A, 595 (Mastodon).
Frech, F. 1906 A, 407 ("mastodonten").
Freudenberg, W. 1922 A, 5 (Mastodontidæ).
Gaudry, A. 1891 B ("mastodontes").
Gawrilenko, A. 1924 A, 233 ("mastodonten").
Gill, T. 1872 B, 13, 90 (Mastodontinæ).
Gray, J. E. 1821 A, 306 (Mastodonadæ).
Hay, O. P. 1924 D, 380 ("mastodons").
1925 E, 381 ("mastodons").
1927 E, 77 ("mastodons").
Ihering, H. 1909 A, 285 ("mastodonte").
Joleaud, L. 1919 D, 414 (Mastodontinæ).
Lartet, E. 1859 A, 470 ("mastodontes").
Matthew, W. D. 1923 A, 12 (Mastodontidæ, Trilophodontidæ).
Osborn, H. F. 1906 C, 776 (Mastodontinæ).
1909 D, 81 (Mastodontidæ).
1910 B, 500, 558, 622 (Mastodontinæ).
1918 C, 134 (Mastodontidæ, with subfams. Bunomastodontinæ and Mastodontinæ).
1921 A, 2 (Bunomastodontidæ, Mastodontidæ); 2, 3 (Mastodontoidea); 5 (Rhynchorostrinæ); 6 (Longirostrinæ); 11 (Brevirostrinæ); 12 (Mastodontinæ).
1921 E, 232 (Bunomastodontidæ, Notorostrinæ, Longirostrinæ, Rhynchorostrinæ, Brevirostrinæ).
1922 F, 4 (Mastodontinæ).
Osborn, H. F. 1922 G, 454 (Mastodontoidea, Mastodontidæ, Mastodontinæ, Serridentinæ, Bunomastodontidæ, Longirostrinæ, Notorostrinæ, Rhynchorostrinæ, Brevirostrinæ).
1924 H, 1 (Longirostrinæ).
1925 A, 5, 14, 16 (Mastodontinæ, Longirostrinæ, "tetralophodonts," "serridentines," "rhynchorotrines," "notorostrines," "brevirostrines," "southern mammoths").
1925 B, 20, 22-27, figs. 2, 3 (Mastodontidæ, Bunomastodontidæ, "longirostrines," "tetralophodonts," "serridentines," "rhynchorostrines," "notorostrines," "brevirostrines," "zygolophodonts").
1926 B, 8 (Serridentinæ).
Palacký, J. 1903 B, 311 ("mastodonten").
Scharff, R. F. 1911 A, 408 ("mastodons").
Schlesinger, G. 1921 A, 3 (Mastodon).
Scott, W. B. 1928 A, 330 ("mastodons").
Stefanescu, S. 1918 A, 739 ("mastodontes").
1919 A, 97 ("mastodontes").
1919 E, 1329 ("mastodontes").
1919 F, 148 ("mastodontes").
1921 A, 929 ("mastodontes").
1921 B, 1054 ("mastodontes").
1921 C, 1516 ("mastodontes").
1921 D, 1669 ("mastodontes").
Stromer, E. 1908 B, 170 (Mastodontidæ).
1912 A, 220, 226 (Mastodontinæ).
Troxell, E. L. 1923 A, 89 ("bunodonts," "zygodonts," "chœrodonts").
Weber and Abel 1928 A, 464, 470 (Mastodontidæ).

MAMMUT Blumenbach. Type *M. ohioticum* Bluemenbach=*Elephas americanus* Kerr.

Unless otherwise indicated the authors here cited use the name Mastodon.

Hay, O. P. 1902 A, 707 (Mammut).
Abel, O. 1912 F, 557.
1914 A, 193.
1919 A, 827.
Adams, C. C. 1905 A, 54 ("mastodon").
Ameghino, F. 1897 B, 263.
1902 A, 39.
1902 B, 9.
1902 D, 427.
1906 A, 285.
Andrews, C. W. 1903 B, 102.
1906 A, xix.
1908 A, 406.
Anonymous 1854 A, 447 ("mastodon").
Arldt, T. 1907 C, 677.
1907 D, 664.
Baker, F. C. 1920 A, 463.
Beddard, F. E. 1902 A, 230.
Blainville, H. M. D. 1864 A, III, 232.
Blake, C. C. 1861 A, 469.
Boas, J. E. V. 1914 B, 588.
Botti, U. 1901 A, 440.
Branca, W. 1907 A, 9 ("mastodonten").
Brandt and Woldrich 1887 A, 98.
Bronn, H. G. 1848 A, 705.
1848 B, 1260 (Tetracaulodon).
1849 A, 703.
Capellini, G. 1907 A.
Case, E. C. 1899 B, 177 ("mastodon").
Cope, E. D. 1880 U, 158.
1895 G, 596.
Cuvier, G. 1799 A, 21 (Elephas).
1806 D, 311 (Mastodonta).
Desmarest, A. G. 1822 A, 384.

Dollo, L. 1889 I, 682.
Drayton, J. 1802 A, 39, 41, pl., fig. 4 ("carnivorous animal").
Eichwald, E. 1835 A, 734.
Emrich, C. T. 1909 A, 36 ("mastodon." This genus?).
Fairchild, H. L. 1887 A, 20.
Fischer de Waldheim, G. 1832 A, 169 (Mastotherium); 181 (Tetracaulodon).
Fischer, J. B. 1829 A, 407.
Frech and Geinitz 1903 A, 11.
Freudenberg, W. 1922 A, 33.
Frick, C. 1926 B (Mastodon).
Gaudry, A. 1891 B.
1906 A, 8 ("mastodontes").
Gervais, P. 1859 A, 64 ("mastodon").
Giebel, C. G. 1855 A, 78.
1883 A.
Gilmore, C. W. 1908 A (Mammut).
Grant, E. 1842 A, 771 (Mastodon, Tetracaulodon).
Gregory, W. K. 1903 A, 387.
1912 F, 280, figs. 3, 4.
Hartnagel and Bishop 1921 A, 1-66 (Mastodon).
Hay, O. P. 1910 D, 372 ("mastodon").
1912 D, 657 (Mammut).
1914 A, 330 (Mammut).
1923 A, 489.
1925 E, 381 (Mammut, Mastodon).
Heilprin, A. 1887 A, 366 ("mastodon").
Hermann, R. 1908 A, 305.
Holmes, F. S. 1870 A, 17, 31.
Hull, E. 1914 A, 616.
Huxley, T. H. 1870 F, 542.
Koch, A. C. 1845 A, 12 (Mastodon, Tetracaulodon, Missurium); 21 (Tetracaulodon).
Kollmann, J. 1884 A, 184 ("mastodonten").
Larger, R. 1913 A, 708 ("mastodontes").
Lartet, E. 1859 A, 482.
Leche, W. 1887 A.
1900 A, 1030 (Mastodon).
Leunis and Ludwig 1883 A, 235.
Lindgren, W. 1911 A, 52.
Loewe, S. 1914 A, 791.
Lucas, F. A. 1907 A, 46 ("mastodons").
1907 B, 837 ("mastodon").
Lull, R. S. 1908 A, 192 (Mammut).
1909 A, 659 (Mammut).
1917 B, 592.
Maddren, A. G. 1901 A.
Matsumoto, H. 1918 C, 80 (Trilophodon).
1924 A, 58.
Matthew, W. D. 1909 C, 120 (Trilophodon).
1910 G, 154.
1915 A, 187 (Mastodon); 255 (Dibelodon).
1915 B, 12 (Mammut).
1916 C, 522 ("mastodon").
1918 A, 201.
1924 E, 748.
Matthew and Cook 1909 A, 367 (Trilophodon).
Meyer, H. 1867 C, 785 (Mammut, Mastodon).
Osborn, H. F. 1905 D, 315 ("mastodonts").
1909 D, 129.
1910 B, 622.
1912 G, 251.
1918 C, 137, table.
1921 B, 1.
1921 C, 108.
Osborn, H. F. 1925 D, 532 (Mastodon).
1926 A, 188 ("mastodon").
Owen, R. 1868 A, 892, fig. 216.
Palmer, T. S. 1904 A, 397, 943 (Mammut).
Pompeckj, J. F. 1905 A, 17.
Rutland, J. 1901 A, 21032 ("mastodons").
Scharff, R. F. 1911 A, 61, 153, 358.
Schlesinger, G. 1912 A (Mastodon, Mammut).
1921 A, 3 (Mammut, as subgenus).
Schmidt, E. 1872 A, 233, 250 ("mastodon").
Schmidt, O. 1886 A, 74, 231, fig. 40 ("mastodon").
Scott, W. B. 1913 A, 207, 429, 437, 685.
Shimek, B. 1908 A, 923 (Mammut).
Shumard, B. F. 1863 A, 141.
Sillimann, B. 1855 A, 222 ("mastodon").
Soergel, W. 1914 A, 20.
Stefanescu, S. 1913 B, 735.
1913 C, 883.
Steinmann, G. 1907 A, 483.
Stremme, H. 1911 A, 89.
Tims, H. W. M. 1903 A, 144.
Trouessart, E. L. 1892 A, 189 (Mastodon).
1905 A, 600 (Mastodon).
Underhill, B. M. 1910 A, 83.
Upham, W. 1902 A, 149 ("mastodon").
1903 C, 22679 ("mastodon").
Vacek, M. 1877 A, 1 (Mastodon); 45 (Zygolophodon).
1877 B, 52.
Villada, M. M. 1903 A, 450 (Mastodon).
Wallace, A. R. 1876 A, I, 498; II, 227, 228.
Weber, M. 1904 A, 724.
Weber and Abel 1928 A, 414, 469 (Mastodon).
Williston, S. W. 1902 J, 196.
1902 L, 918.
Woodward, A. S. 1898 D, 332.
Woodward, H. 1904 B, 158.
Wright, G. F. 1908 A, 34 ("mastodons").
1911 B, 754 ("mastodons").
Zittel and Schlosser 1911 A, 537.
1923 A, 629, 681, 682 (Mastodon, Mammuth).

Mammut americanum (Kerr).

Unless otherwise indicated the authors here cited used Mastodon for this genus.

Hay, O. P. 1902 A, 708 (Mammut).
Abbott, C. C. 1881 A, 482, 483 ("mastodon," "elephant?").
1883 A, 101 ("mastodon").
Abel, O. 1914 A, 197, fig. 155.
1922 C, 86, fig. 77 (Mastodon); 179, fig. 143 (Zygolophodon).
1925 A, 317, figs. 243-255.
1926 B, 81, 238, fig. 59.
Alden, W. C. 1924 A, 105.
Ameghino, F. 1889 A, 635, 637, 647.
Ami, H. M. 1898 A, 80 ("mastodon").
Anderson, N. A. 1905 A ("mastodon").
Andrews, C. W. 1903 B, 102, 104, figs. 4, 5 ("mastodon").
1906 A, 107, fig. 42.
1908 A, 406 ("mastodon").
1922 B, 33, fig. 19.
Anonymous 1879 A, 263 (Mastodon giganteus).
1904 A, 60 ("mastodon").
1906 A, 199 ("mastodon").

Anonymous 1907 C, 91, pl.
1922 B, 282, fig. ("Cohoes mastodon").
1924 B, 410, fig. ("mastodon").
Archer, W. J. 1918 B, 13 ("mastodon").
Arnell, D. R. 1809 A, 313 ("mammoths").
Aughey, S. 1876 A, 254 ("mastodons").
Bagg, R. M. 1909 A, 49, pl. iv ("mastodon").
Baker, F. C. 1920 A, 463 (Mammut).
1920 B, 63.
Balch, E. S. 1917 A, 481 ("mastodon").
Ballard, F. A. 1880 A, 643, fig. ("mastodon").
Bancroft, H. H. 1875 A, 697, 699 ("mastodons").
Bannister, H. M. 1870 A, 113 ("mastodon").
Barbour, E. H. 1914 B, 181, pl. i (Mammut).
1914 C, 218, 220, fig. 4 (Mammut).
1915 B, 218, fig. 4 ("mastodon").
1916 B, 251, fig. 4 (Mastodon).
1924 A, 11 (Mastodon).
1925 C, 94 ("American mastodon").
1925 D, 111 (Mastodon).
Barton, B. S. 1805 C, 154 ("mammoth").
1806 A, 22 ("elephant").
1806 B, 157 ("mammoth"; species doubtful).
1810 A, 342, 343 (Elephas mastodontus).
1814 A, 28 (Elephas mastodontus).
Beasley, W. L. 1907 C, 103, 5 figs. ("mastodon").
Becker, G. F. 1891 A, 189.
Bell, R. 1898 B, 222 ("mastodon").
Bibbins, A. B. 1907 A, 297 ("mastodon").
1908 A, 650, pl. lxxii ("mastodon").
Billings, E. 1856 B, 379, pl. (Mastodon giganteus).
1869 A, 38 (Mastodon ohioticus).
Blainville, H. M. D. 1864 A, III, 245 ("le grand mastodonte"); 253 (Mastodon tetracaulodon); 255 (Mastodon jeffersonii, M. godmani); 256 (M. collinsonii, M. cuvieri); 260 (Tetracaulodon tapiroides, T. osagii, T. kochii, T. haysii, T. bucklandi); 261, 306, pl. xvii (Elephas ohioticus); 307 (Tracaulodon godetmani, koahiè, tapiroides).
Blake, W. P. 1857 A, 172, 257 ("mastodon").
1867 C, 291 ("mastodon").
1899 A, 636.
1908 A, 63 ("mastodon").
Blumenbach, J. F. 1803 A, 1 (Mammut ohioticum).
Bolton, H. C. 1888 A, 123 ("mastodon").
Borden, W. W. 1874 A, 176 ("mastodon").
Boule, M. 1923 A, 399, fig. 230.
Boule and Thevenin 1920 A, 21, 73, text-figs. 24, 28.
Bradley, F. H. 1870 A, 193, 229, 242, 266.
Branner, J. C. 1909 A, 7 ("mastodon").
Broadhead, G. C. 1874 A, 157 ("mastodon").
1881 A, 519.
1898 A, 376 ("mastodon").
Buckley, E. C. 1903 A, 297 ("mastodon").
Buckley, S. B. 1866 A, 44 ("Mastodon").
1874 A, 64 ("mastodon").
Cahn, A. R. 1922 A, 23 (Mastodon).
Call, R. E. 1889 A, 39 ("mastodon." This species?).
Calvin, S. 1897 A, 21.
1901 A, 413 ("mammoth or mastodon").
1909 A, 137 (Mammut).
Calvin, S. 1909 B, 352, pl. xxv, fig. 2 (Mammut).
1910 A, xii ("mastodon").
1911 A, 213, pls. xxi, xxii ("mastodon").
Camper, P. 1780 A, 226 ("animal incognitum").
Cannon, G. L. 1906 B, 196 ("mastodon").
Capellini, G. 1907 A, 145 (Mastodon ohioticus).
Case, T. S. 1879 A, 241 ("mastodon").
Chamberlin, R. T. 1916 A, 35 ("mastodon").
Chamberlin, T. C. 1919 A, 316 ("mastodon").
Clarke, J. M. 1887 A, 34 ("elephant").
1888 A, 388, pl. ("mastodon").
1903 A, 297 ("mastodon").
1903 B, 863 ("mastodon").
1903 C, 921-933 ("Mastodon americanus").
1908 A, 59 ("mastodon").
1908 B, 44-49.
1912 A, 500 ("mastodon").
1923 A, 127 ("mastodon").
1923 B, 127 ("mastodon").
1923 C, 127 ("mastodon").
Clinton, D. W. 1815 A, 57, 100, 108 (Elephas americanus).
Coleman, A. P. 1895 A, 641 ("mastodon").
1907 A, 1248 ("mastodon?").
1914 A, 448 ("mastodon").
Collett, J. 1872 A, 214 ("mastodon").
1876 A, 393 ("mastodon").
1881 A, 16 (Mastodon giganteus).
1883 A, 73 ("mastodon").
Collinson, P. 1768 A, 464 ("elephants").
1768 B, 468, pls. xxi, xxii ("elephants?").
Condon, T. 1902 A, 153, pl. xxviii, fig. 2 ("mastodon").
1910 A, 131, pl. xxviii, fig. 2 ("mastodon").
Conrad, T. A. 1832 A, 11 ("mastodon").
1835 A, 104 ("mastodon").
Cook, G. H. 1878 A, 15 ("mastodon." This species?).
Cook, H. J. 1928 B, 41 (Mastodon).
Cooper, J. G. 1875 A, 390.
Cooper, J. H. 1843 A, 33 (Mastodon giganteum).
Cooper, Smith and Dekay 1831 A, 370 ("mastodon").
Cooper, W. F. 1906 A, 354 ("mastodon").
Cope, E. D. 1880 V, 61.
1895 G, 599.
Cornbury, Lord 1848 A, 421 ("giant").
Couper, J. H. 1846, in Hodgson, W. B. 1846 A, 31 (Mastodon giganteus).
Cox, E. T. 1871 A, 103 (Mastodon ohioticus).
1875 A, 214 ("mastodon").
1875 B, 59 (Mastodon ohioticus).
Cramer, Z. 1806 A, 69 ("mammoth").
Culver, H. E. 1927 A, 541 ("mastodon").
Cummins, W. F. 1892 A, 149 ("mastodon").
1893 A, 182 ("mastodon").
Cuvier, G. 1798, Tabl. élém. d'hist. nat., 149 (Elephas americanus).
1799 A, 19, 21 (Elephas americanus).
1799 B, 90 ("mammoth des Anglais").
1803 A, 166 ("fossile de l'Ohio").
1825 A, I, 206-249, pls. i-vii ("mastodonte").
Cuvier and Geoffroy St. Hilaire 1796 A, 90 ("éléphan").
Dachnowski, A. 1912 A, 38, 39, 51, 60, 103, 113, 218.
Darrach, J. 1847 A, 74 ("mastodon").

Darrach, J. 1852 A, 172 ("mastodon").
Daubenton, L. J. M. 1762 A, 206 ("éléphan"); 222 ("hippopotame").
Dawson, J. W. 1894 C, 265 ("mastodon").
De Brahm, — 1786 A, 103, pl. ("fossil bones").
De Haas, W. 1886 A, 317 ("mastodon").
Deeley, R. M. 1913 A, 14, tab. ("mastodon").
Depéret, C. 1907 B ("Mastodon ohioticus").
Desmarest, A. G. 1822 A, 384 (Mastodon giganteus).
Desor, E. 1855 A, 218 (Mastodon giganteum).
Diener, C. 1912 A, 216.
Dietrich, W. O. 1912 A, 64, 90.
1916 A, 40, 44, 56, 59, 64, 65, 69, 70, 76, fig. 5.
1919 A, 58 (Mastodon).
1921 A, 598 (Mastodon).
Digby, B. 1926 A, 34.
Diller, J. S. 1896 A, 483.
Dollo, L. 1889 I, 685.
Drayton, J. 1802 A, 39, pl. i, fig. 4 ("carnivorous animal").
Dreverman, F. 1911 B, 13, pl.
Dryer, C. R. 1889 A, 129 ("mastodon").
Dudley, J. 1847 A, 77 ("man").
Eager, S. W. 1847 A, 71, 77 (Mastodon giganteum).
Edwards, J. J. 1902 A, 247 (This species?).
Eichwald, E. 1835 A, 734 (Mastodon ohioticus).
Elrod and Benedict 1892 A, 240.
Emerson, B. K. 1917 A, 149 (Mastodon giganteus).
Emmons, E. 1852 A, 56, 96, 100, 106 ("mastodon"); 99 (Mastodon giganteum).
Falconer, H. 1845 A, 368 (Mastodon giganteus).
1863 A, 46 (Mastodon ohioticus).
Falconer and Cautley 1846 A, 16, pl. iii, fig. 9; pl. xl, fig. 16; pl. xlii, fig. 4; pl. xliv, fig. 4 (Mastodon ohioticus).
1847 A, pls. iii, xxxv.
Falconer and Murchison 1867 A, 1, 5, 46 (Mastodon ohioticus).
Featherstonhaugh, G. W. 1831 B, 140 ("mastodon").
Fischer de Waldheim, G. 1832 A, 182 (Tetracaulodon mastodontoideum).
Fischer, J. B. 1829 A, 407 (Mastodon giganteum).
Foster, J. W. 1857 A, 361 (Mastodon giganteus).
1869 A, 236, 254 (Mastodon giganteus).
1873 A, 59, 71 ("mastodon"); 63, 84, fig. 4 (Mastodon giganteus).
Fowke, G. 1902 A, 107 ("mastodon").
Frech, F. 1906 A, 474, 497 ("mastodon").
1907 A, 310 ("mastodon").
Freudenberg, W. 1922 A, 6, 33 (Mastodon ohioticus, M. americanum).
Frick, C. 1926 B, 127, 138, 139, 141, 142, fig. C (Mastodon americanus); 130 (M. ohioticus, M. giganteus).
1926 C, 440, fig. ("Mastodon").
Fuller and Clapp 1912 A, 27 ("mastodon").
Fulton, A. R. 1883 A, 102 (Elephas americanus).
Gaudry, A. 1875 D, 1282 ("mastodon").
1891 B, 4, 6, pl. ii, fig. 7.
1891 C, 107, fig. 30 (Mastodon).
1893 A, 23.
Gervais, P. 1852 A, 39 (Mastodon giganteus).
Gervais, P. 1859 A, 68 (Mastodon giganteus); 365 (Mastodon ohioticum).
Gibbes, R. W. 1850 C, 67 ("mastodon").
Gidley, J. W. 1912 C, 19 ("mastodon").
1916 A, 28 ("mastodon").
1920 B, 282 ("mastodon").
1925 A, x ("mastodon").
1926 A, 87-89.
1926 D, 240 ("mastodons").
1926 H, 24 ("Florida mastodon").
1927 E, 274.
Gidley and Loomis 1926 A, 262 ("mastodon").
Giebel, C. G. 1855 C, 140 (Mastodon giganteus).
1883 A, 112, pls. xxxv, xli (Mastodon giganteus).
Gilbert, G. K. 1871 B, 129.
1873 A, 556 (Mastodon giganteus).
1890 A, 303 ("Elephas or mastodon").
Gilbert, J. Z. 1910 B, 25, 45, figs. 13, 14 ("mastodon").
Gilmore, C. W. 1906 A, 610, pl. xxxv ("mastodon").
1908 A, 30, pl. viii.
Goddard, P. E. 1926 A, 258 ("mastodon").
1927 A, 68 ("mastodon").
Godman, J. D. 1860 A, II, 52-81, 5 pls. (Mastodon giganteum).
Gordon, C. H. 1913 A, 31, 64 ("mastodon").
Gordon, R. 1902 A, 595 ("mastodon").
1902 B, 1033 ("mastodon").
Graham, J. G. 1801 A, 213 ("fossil bones").
Grant, E. 1842 A (Tetracaulodon bucklandi).
Green, C. 1854 A, 16 ("mastodon").
Greene, G. K. 1881 A, 428 (Mastodon giganteus).
Gregory, W. K. 1903 A, 388 ("mastodon").
1907 C, 91, pl. ("mastodon").
1920 A, 183, fig. 145.
Groghan, G. 1831 A, 261 ("elephants").
Guernsey, J. A. 1831 A, 358, fig. ("mastodon").
Guettard, — 1752 A, 349, pls. xi, xii ("quel animal?").
Hall, J. 1861 A, 15 ("mastodon").
1871 B, 7 ("mastodon").
1888 A, 32 ("mastodon").
Harlan, R. 1828 A, 187 ("mastodon").
1831 C, 62 ("mastodon").
1842 B, 69, 143 ("mastodon").
Harris, G. D. 1899 A, 18, 20, 38, 115.
Hart, M. C. 1884 A, 47 ("elephant or mastodon." This species?).
Hartnagel and Bishop 1921 A, 1-66, pls. i-xii (mastodons).
Haug, E. 1911 A, 1873, 1887.
Hay, O. P. 1910 D ("mastodon").
1912 B, 5, fig. 1.
1912 D, 657, pls. xii-xvii; text-figs. 52-62.
1914 A, 26, 34, 38, 330, pl. xliii; pl. xliv, fig. 3; pls. xlv, xlvi, xlvii; pl. xlix, figs. 1, 3; pl. li; pl. lii, fig. 1; text-figs. 104-119, 121, 123*a*, 124-127, 129, 131, 132.
1917 E, 45.
1918 B, 10.
1918 C, 346.
1919 B, 378.
1920 B, 109, 128, 135, pl. x, fig. 8.
1923 A, 489.
1924 B, 263 ("mastodon").

Hay, O. P. 1924 D, 380 (Mammut, Mastodon).
1925 C, 22, 24.
1925 E, 382 (Mastodon).
1926 A, 39.
1926 C, 1.
1926 D, 360.
1926 E, 390 ("mastodon").
1927 C, 281 ("mastodon").
1927 D, 302, 308.
1928 C, 425, 428, 429.
Hayden, F. V. 1871 A, 99 (Mastodon).
1872 A, 34 (Mastodon giganteus).
Hayes, S. 1895 B, 37 ("mastodon").
Hayes and Kennedy 1903 A, 20 ("Mammut").
Haymond, R. 1869 A, 199 (Mastodon maximus).
Haynes, H. W. 1889 A, 348, 388 ("mastodons").
Heilprin, A. 1888 A, 414 ("mastodon").
Henshaw, H. W. 1883 A, 153 ("mastodon").
Hermann, R. 1907 B, 285, fig. 2.
1908 A, 307, pl. iv; text-figs. 3, 4.
1910 A, 99, fig. 5.
Higley, W. K. 1891 A, xv ("mastodon").
Hildreth, S. P. 1834 A, 356 ("mastodon").
1837 A, 50 ("mastodons").
Hilgard, E. W. 1860 A, 196 (Mastodon giganteus).
1869 A, 82 ("mastodon").
1872 A, 14 ("mastodon").
Hill, R. T. 1901 A, 360.
Hodge, E. T. 1925 A, x ("mastodon").
Hodge, J. T. 1878 A, 593.
Hodgson, W. B. 1846 A, 12 (Mastodon giganteus).
Holland, W. J. 1899 A, 233, figs. 1, 3.
1905 C, 464, figs. 1-5 ("mastodon").
1908 A, 23 ("mastodon").
1912 B, 750 ("mastodon").
Hollick, A. 1901 A, 67 ("mastodon").
Holmes, F. S. 1859 A, 184 ("mastodon").
1860 A, iii, vi ("mastodon").
Holmes, W. H. 1901 A, 423 ("mastodon." This species?).
1903 A, 242, pls. 6, 7 ("mastodon").
Honeyman, D. 1890 A, 344 (Mastodon ohioticus).
Hopkins, F. V. 1871 A, 6 ("mastodon." This genus?).
1872 A, 188 ("mastodon." This genus?).
Hovey, E. O. 1908 A, 147, pl. v ("mastodon").
Howorth, H. H. 1905 A, 94, 99 ("mastodon").
Hoy, P. R. 1871 A, 147 (Missourium tetracaulodon).
Hrdlička, A. 1907 A, 17, 18 (Mastodon ohioticus).
1918 A, 27.
1926 A, 7, 9 ("mastodon").
Hubbard, B. 1841 A, 559 ("mastodon").
Hunter, W. 1769 A, pl. xv, figs. 1, 3, 5 ("pseud-elephant," "animal incognitum").
Hussey, J. 1878 A, 477 ("mastodon").
Ingalls, A. G. 1926 A, 289, fig. ("mastodon").
Jaques, H. E. 1922 A, 65, fig. 5*a*.
Jefferson, T. 1787 A, 68 ("mammoth").
Joor, J. F. 1895 A, 397 ("mastodon." This species?).
Kaup, J. J. 1843 A, 173 (Tetracaulodon mastodontoideus).
Kermode, F. 1916 A, 21, pl. xi, fig. 2.
Kindle, E. M. 1924 A, 184 ("Mammut").
Knight, C. R. 1923 A, 1, fig. (Warren mastodons).
Knowlton, F. H. 1911 D, 63 ("mastodon").
Koch, A. C. 1845 A, 13 (Mastodon cuvieri); 20 (M. rugatum); 13, 25, pl. iv, figs. 1-3 (M. giganteum); 25, 29, 32, pl. iv, figs. 4-6 (Tetracaulodon kochii); 25, 27, 43, pl. vi (Missurium theristocaulodon); 34 (Tetracaulodon haysii); 35 (T. tapiroides); 36 (T. bucklandi).
1845 D, 23 ("Missurium").
Kunz, G. F. 1916 A, 521 (Mastodon).
Lacépède and Cuvier 1808 A, 330 ("mastodonte").
Lambe, L. M. 1904 C, 39, 50 (Mastodon).
1912 A, 14.
1914 F, 299.
1914 H, 403 (Mastodon).
1916 C, 21.
Lane, A. C. 1902 A, 252 ("mastodon").
1903 A, 297 ("mastodon").
Lankester, E. R. 1905 A, 100, 105, figs. 68, 72, 78, 86.
Lansing, G. Y. 1861 A, 7, 15 ("mastodon").
Lartet, E. 1859 A, 484 (Mastodon ohioticus).
Lawson, A. 1914 A, 15.
Lay, J. H. 1876 A, 14 ("mastodon").
Lee, C. A. 1871 A, 108 ("mastodon").
Lee, Stone, Gale 1915 A, 9.
Leidy, J. 1859 J, 181 ("mastodon").
1866 D, 459 ("elephas").
Leighton, M. M. 1921 A, 513.
Leverett, F. 1899 A, 166 ("mastodon").
Lewis, H. C. 1881 A, 549 ("mastodon").
1883 A, 305 ("mastodon").
1883 B, 366, 374 ("mastodon").
Lichtenstein, R. 1840 A, 105 (Mastodon giganteum).
Lindgren, W. 1901 A, 583, 769.
1911 A, 51, 212.
Lindgren and Drake 1904 A.
1904 B, 2 (This species?).
Lindmuth, A. C. 1878 A, 43 ("mastodon").
Lloyd, J. W. 1904 A, 43 ("mastodon").
Lockwood, S. 1882 A, 294 ("mastodon").
1883 B, 341.
Lönnberg, E. 1907 B, 63.
Loewe, S. 1914 A, 791, pl. xii ("mastodon").
Loomis, F. B. 1924 C, 506 (Mastodon).
1925 D, 436 ("mastodon").
Lucas, F. A. 1900 H, 99.
1901 F, 492, pl. viii.
1901 J, 198, figs. 38-40 ("mastodon").
1902 A, 555.
1902 B, 264, fig.
1902 G, 669 ("mastodons").
1904 F, 2.
1906 B, 157, 159, 160, pls. xxxiv-xxxvi.
1906 C, 955 ("mastodon").
1908 A, 443 ("mastodon").
Lull, R. S. 1908 A, 192, 194, figs. 19-21.
1909 A, 652, figs. 3, 7, 17-19.
1914 B, 321.
1914 C, 143.
1914 E, 63, pl. i, fig. 2; pl. ii, fig. 6.
1917 B, 300, 598, 674, figs. 54, 205, 206.
1918 B, 200 ("mastodon").
Lydekker, R. 1896 B, 57.
Lyell, C. 1843 D, 22 ("mastodon").

Lyell, C. 1845 B, I, 23, 25, 67, 163, 175, 201; II, 65, 69 ("mastodon").
1847 C, lxxxi ("mastodon").
1855 A, I, 348; II, 195, 197, 261, 362, 365 ("mastodon").
M'Caslin, D. S. 1883 A, 169 ("mastodon").
McCornack, E. C. 1914 A, 14 ("mastodon").
1920 A, 23.
McCourt, W. E. 1917 A, 69 (Mastodon giganteus).
MacCurdy, G. G. 1916 A, 1.
1917 A, 261.
MacCurdy, H. M. 1920 A, 119.
McGee, W J 1891 B, 399 ("mastodon").
Mackensen, B. 1905 A, 3, pls. i-iv ("mastodon." This species?).
Macloskie, G. 1884 A, 225, fig. 116 (Mastodon).
Madison, J. 1805 A, 58 ("mammoth." This species?).
1812 A, 388 ("elephant").
Manigault, G. E. 1887 A, 130 ("mastodon").
Mantell, G. A. 1839 A, 146, 149, fig. 25 ("mastodon").
1844 A, 832 (Mastodon giganteus).
1850 A, 167, pl. lxxiv.
Mason, S. C. 1883 A, 13 ("mastodon").
Mather, C. 1714 A, 62 ("giants").
Mather, W. W. 1843 A, 441 ("mastodon").
1843 B, 232, 636 ("mastodon").
Matson and Clapp 1909 A, 136 (Mastodon sp.).
Matthew, W. D. 1915 B, 13, pl. i; text-figs. 5, 6.
1915 K, 410 ("mastodon").
1916 G, 48, fig. ("Mastodon").
1925 A, 97 (This species?).
Meek, F. B. 1855 A, 215 (Mastodon gigantus).
Mercer, H. C. 1894 C ("mastodon").
1897 A, 444 ("mastodon").
Merriam, J. C. 1914 D, 15.
Merriam and Stock 1925 A, 10, 11.
Meyer, H. 1867 C, 786, 789 (Mastodon ohioticus).
Meyers, — 1868 A, 56 ("mastodon").
Miller, H. 1857 A, 123 ("mastodon").
Miller, L. H. 1912 A, 71 (Mastodon); 78 (Mastodon sp.).
Miller, S. 1801 A, 211 ("large bones").
Miller and Stephenson 1912 A, 46, 50, 55, 57 ("mastodon").
Mitchell, E. 1828 A, 347 ("mastodon." This species?).
Mitchill, S. L. 1817 A, 392.
1818 A, pl. vi, figs. 1-4; pl. viii, figs. 1-3 ("Mastodon").
1821 A, 291, figs. 14-17.
1826 A, 10, 11 ("mastodon").
Mitchill and Townsend 1909 A, v ("mastodon").
Moodie, R. L. 1923 B, 127, 266, pl. xxv (Mastodon).
Moore, J. 1893 A, 73 ("mastodon").
Mudge, B. F. 1866 B, 14 ("mastodon").
Murchison, C. 1868 A, I, 55 (Mastodon ohioticus, M. giganteus, M. maximum, Mammut ohioticum); 56 (Elephas americanus); 63 (Missourium theristocaulodon).
Murchison, R. I. 1843 A, 130 (Mastodon giganteus).
1843 B, 132, 146 (Mastodon giganteus).
Murdock, J. 1885 A, 99 (Elephas? sp.).
Newberry, J. S. 1870 D, 32 ("mastodon").
1873 E, 183 ("mastodon").
1873 F, 87 ("mastodon").
Newcombe, C. F. 1915 A, 32.
New York World 1879 A, 263 ("mastodon").
Nordenskiöld, E. 1903 A, 9, 13 (Mastodon giganteus).
Obalski, T. 1904 A, 216 ("mastodonte").
Orton, E. 1870 A, 56 ("mastodon").
Osborn, H. F. 1904 F, 33, 44.
1905 H, 226.
1905 I, 110.
1909 D, 86.
1910 B, 439, 622, figs. 189, 204, 209, 210.
1912 I, 782, figs. 1-3 ("mastodon").
1914 D, 408, fig. 1.
1915 C, 223.
1918 C, table (Mastodon).
1921 A, 12.
1923 A, 3, figs.
1925 A, 4, 23, fig. p. 13 (Mastodon).
1925 B, 24 (Mastodon).
1925 D, 531, 535, fig. (Mastodon).
Osgood, W. H. 1905 B, 254.
Owen, R. (of America) 1862 A, 197 ("mastodon").
Palacký, J. 1903 B, 318 (M. ohioticus).
Pallas, P. S. 1780 A, 213, pl. viii, fig. 3 ("ignotum animal." Species of Gomphotherium?).
Palmer, T. S. 1904 A, 397 (Mammut); 401 (Mastodon).
Pander and Alton 1821 B, 8, pls. iii, iv ("Ohio-elephant").
Pavlow, M. 1901 A, 11, 12, pl. i, fig. 3 (Mastodon ohioticus).
Peale, R. 1831 A, 211 ("mastodon").
Peterson, O. A. 1917 A, 474.
1926 A, 274, pls. xxii, xxiii (Mastodon).
1927 A, 255, figs. 1, 2 (Mastodon).
1928 A, 111 (Mastodon).
Phinney, A. J. 1882 A, 131 ("mastodon").
1883 A, 181 ("mastodon").
1884 A, 143 ("mastodon").
Piers, H. 1912 A, 163.
Pleas, E. 1891 A, 131.
Plummer, J. T. 1843 A, 302 ("mastodon").
Pohlig, H. 1889 A, 43, fig. 2 (Mastodon giganteus).
Pompeckj, J. F. 1905 A, 48 (Mastodon giganteus).
Pownall, J. 1803 A, 332 ("mammoth").
Putnam, C. E. 1886 A ("mastodon").
1890 A, 468.
Putnam, F. W. 1886 A, 408 ("mastodon or mammoth").
Ranking, J. 1828 A, 355 ("mastodon").
Raspé, R. E. 1769 A, 126 ("elephant").
Rath, G. 1886 A, 105 (Mastodon).
Rhoads, S. N. 1903 A, 234.
Richardson, J. 1854 B, 82 (Mastodon giganteus).
Ridgway, J. L. 1926 A, 16, 2 figs. ("mastodon").
Rio, A. 1918 A, 367 ("mamut americano").
Rogers, H. D. 1844 A, 258, 262 (Mastodon giganteum).
1858 A, 480 ("mastodon").
Ruschenberger and Tryon 1879 A, 14 (Mastodon giganteum).

Russell, J. W. 1924 A, 235 ("mastodon").
Russell and Leverett 1908 A, 9.
Scharff, R. F. 1911 A, 80 ("mastodon").
Schlesinger, G. 1912 A (Mastodon, Mammut).
1921 A, 32, 41, 61, 163, 175, 230.
Schmidt, E. 1872 A, 234, 245, 254 (Mastodon giganteum).
Schmidt, O. 1886 A, 233 (Mastodon giganteum).
Schuchert, C. 1914 A, 321, fig. 3 (Mammut).
1915 A, 956 (Mammut).
1926 A, 14 ("mastodon").
Scott, W. B. 1913 A, 685, figs. 113, 226.
Sellards, E. H. 1915 B, 143 (Mammut).
1915 C, 8 (Mammut).
1915 D, 76, 112, fig. 45 (Mammut).
1916 B, 96, 104 (Mammut).
1916 C, 132, 158, pl. xxxi (Mammut).
1916 D, 617 (Mammut).
1916 E, 15, 16 (Mammut).
1916 F, 7, 9.
1917 A, 250 ("mastodon").
1917 C, 76 ("mastodon").
Serres, M. 1852 A, 120 (Mastodon giganteus).
Shaler, N. S. 1877 A, 197 (Mastodon ohioticus).
Shaw, J. 1873 A, 110 ("mastodon").
Sheldon, P. 1915 A, 98.
Shepard, E. M. 1898 A, 143 ("mastodon").
Shimek, B. 1902 A, 285 (Mastodon giganteus).
1904 A, 305 (Mastodon giganteus).
1910 A, 129, 132, 134, 135.
1910 B, 324, pl. xxvi.
Shumard, B. F. 1855 A, 175 (Mastodon giganteus).
1873 A, 291, 304 ("mastodon").
Silliman, B. Sr. 1831 A, 371 ("Mastodon").
Simpson, G. G. 1928 H, 3 (Mastodon).
Sinclair, W. J. 1903 A, 711 ("mastodon").
1904 A, 18, 21 ("mastodon").
1908 A, 112 ("mastodon").
Southall, J. C. 1875 A, 596 ("mastodon").
1878 A, 422 ("mastodon").
Sperry, L. B. 1884 A, 670 ("mastodon").
Stalker, M. 1899 A, 216 ("mammoth." This species?).
Staufer, C. 1924 A, 41 (Mastodon. This genus?).
1926 A, 1 (Mastodon).
Stefano, G. 1915 A, 209 (Mastodon).
Stephenson, L. W. 1912 B, 268 (Mastodon giganteum).
Sterling, E. 1886 A, 309 ("mastodon").
Stevenson, J. I. 1876 A, 22 ("mastodon").
Stock, C. 1925 A, 30, 113 (This species?).
1928 D, 46, pl. ii, figs. *b*, *c*; pl. iii, fig. *a*; pl. iv, figs. *d*, *f*.
Swallow, G. C. 1858 A, 35 (Mastodon giganteus).
Swarth, H. S. 1915 A, 25, figs. 13, 14 (Mastodon).
Tarr, R. S. 1905 A, 27 (Full ed. p. 201).
Taylor, J. L. B. 1921 A, 591, figs. ("mastodon." This genus?).
Terra, P. 1911 A, 336, fig. 162 (Mastodon giganteum).
Tilesius, W. G. 1815 A, 474 (Elephas mastodonteus vel americanus).
Tilton, J. L. 1911 A, 26 ("mastodon").
Todd, J. E. 1896 A, 129 ("mastodon").
Townsend, P. S. 1908 A, 147, pl. v (Elephas mastodonta).
Troxell, E. L. 1923 A, 89.
Tuomey, M. 1848 A, 177, 178 ("Mastodon").
Turner, H. W. 1895 A, 375 ("mastodon").
Tyrrell, J. B. 1892 A, 129 (Mastodon giganteus).
Udden, J. A. 1899 A, 352 ("mastodon or elephant"); 356 ("mastodon").
1905 A, 47-57.
Vacek, M. 1877 A, 6, 34 (Mastodon ohioticus).
Van Rensselaer, J. 1827 B, 80.
Veatch, A. C. 1899 A, 245.
1902 A, 68, 74, 87 ("mastodon." This genus?); 79 ("extinct animal." This genus?).
1906 A, 51 ("mastodon").
Walker, B. 1898 A, 121 ("mastodon").
Ward, H. A. 1866 A, 38, figs. (Mastodon giganteus).
Warder, R. B. 1872 A, 402 ("mastodon").
Warren, J. C. 1848 A, 144 ("mastodon").
1849 A, 111 ("mastodon").
1853 A, 377 (Mastodon giganteus).
Weber and Abel 1928 A, 453, fig. 284 (Mastodon).
Weidman, S. 1907 A, 430 ("mastodon").
West, H. H. 1877 B, 336 ("mastodon").
White, I. C. 1883 A, 20, 123 ("mastodon").
1911 A, 378 (mastodon).
Whitney, J. D. 1862 A, 129-133, ("mastodon").
1864 A, 264 ("mastodon").
1865 A, 102, 135, 242, 252, 276 ("mastodon").
1866 A, 162 ("mastodon").
1879 B, 263, 275, 281 ("mastodon").
Whittlesey, C. 1866 A, 15, 16 ("mastodon").
Wilber, C. D. 1861 A, 59, figs. 1-3 (Mastodon giganteus).
Wilder, F. A. 1900 A, 117 ("elephant").
Williams, G. H. 1894 A, 26.
Williams, H. S. 1897 A, 676, fig. ("mastodon").
Williamson, C. W. 1905 A, 334-338 ("mastodon").
Wilson, T. 1892 A, 629.
1901 A, 299 (Mastodon mexicanus); 322 (M. americanus); 333, fig. 29 (M. ohioticus).
Winchell, A. 1861 A, 132 (Mastodon giganteus).
1870 A, 504 ("mastodon").
Winchell, N. H. 1874 A, 247 ("mastodon").
1874 B, 392 ("mastodon").
1878 A, 61 ("mastodon").
1888 A, 397 ("mastodon").
1905 A, 259.
1907 A, 163 ("mastodon").
1910 A, 418 ("mastodon").
1917 A, 134 ("mastodon").
Woodward, A. S. 1923 C, 63, fig. 54.
Worthen, A. H. 1866 A, 38, 39, 315 ("mastodon").
1873 A, 308 ("mastodon").
1890 A, 8 ("mastodon").
Wright, F. B. 1903 A, 246 ("mastodon").
Wright, G. F. 1903 A, 297 ("mastodon").
1905 A, 18 ("mastodon").
1908 B, 187 ("mastodon").
1911 A, 282 ("mastodon").
1911 C, 42 ("mastodon").
Wyman, J. 1875 A, 31, 81 ("mastodon").
Wyman, L. E. 1922 A, 17, figs. 3, 10.
1927 A, 86 ("mastodon").
Yates, L. G. 1915 A, 67 (This species?).

Zittel and Schlosser 1923 A, 631 (Mastodon).
Pleistocene (Early to Late). The whole of North America.

Mammut americanum plicatum (Osborn).

Osborn, H. F. 1926 B, 1, fig. 1 (Mastodon).
Pleistocene (Wisconsin); Illinois.

Mammut francisi Hay.

Hay, O. P. 1926 A, 35, pl. i, fig. 3; pl. ii.
Pleistocene (Aftonian); Texas.

Mammut matthewi (Osborn).

Osborn, H. F. 1921 B, 2, 4, fig. 1a, a^2, a^3 (Mastodon); not fig. $1a^1$.
Matthew, W. D. 1923 A, 12 (Miomastodon).
Osborn, H. F. 1921 C, 108 (Mastodon).
1922 F, 4 (Miomastodon).
1926 B, 1 (Pliomastodon).
Lower Pliocene (Snake Creek); Nebraska.

Mammut merriami (Osborn).

Osborn, H. F. 1921 B, 4, 6, fig. 2 (Mastodon).
1921 C, 108 (Mastodon).
1922 F, 4 (Miomastodon).
Pliocene (Thousand Creek); Nevada.

Mammut oregonense Hay.

Hay, O. P. 1926 A, 39, pl. i, figs. 1, 2.
1927 D, 13, 19, 245.
Pleistocene (Early); Oregon.

Mammut progenium Hay.

Hay, O. P. 1914 A, 26, 368, pl. xliv, figs. 1, 2; pl. xlviii, fig. 1; pl. lii, figs. 2, 3.
Baker, F. C. 1920 A, 226, 243.
Blatchley, W. S. 1898 A, 90 (Mastodon americanus).
Clarke, J. M. 1903 C, 936 (Mastodon americanus).
Collett, J. 1881 A, 386 ("mastodon").
Hartnagel and Bishop 1921 A, 49, pl. vii ("mastodon").
Hay, O. P. 1923 A, 489.
1924 D, 378.
1928 C, 425.
Hayes, S. 1895 B, 40, pl. ("mastodon").
Leidy, J. 1871 F, 113 (Mastodon americanus).
Loomis, F. B. 1917 A, 210.
1918 A, 438, figs. 1-4 (Mastodon americanus).
Merriam, J. C. 1917 A, 439, 441.
Osborn, H. F. 1921 A, 12 (Mastodon).
Pohlig, H. 1912 A, 187, fig. 12 (Tetracaulodon ohioticum).
Sellards, E. H. 1916 B, 95, pl. x.
Pleistocene (Aftonian); Iowa, North Carolina, South Carolina, Kansas, Texas: (Sangamon); Ohio: (Late Wisconsin); Illinois: Pliocene? (Bone Valley); Florida.

Mammut sp. indet.

Buckley, S. B. 1866 A, 44 ("Mastodon").
Cooke, C. W. 1926 A, 445 ("Mastodon").
Pleistocene; Florida.
Hay, O. P. 1927 D, 223, 235 (Mammut); 308 (Mastodon. This genus?). Pleistocene; Arizona, California, Idaho, Oregon, Washington.
Merriam, J. C. 1909 A, 293. Pleistocene (Los Angeles); California.
Merriam and Sinclair 1907 A, 196 (Mastodon).
Pliocene (Mascall?); Oregon.
Merriam and Stock 1921 A, 567 (Mastodon).
Pleistocene (Early); California.
Sinclair, W. J. 1904 B, 11 (This genus?).
Pleistocene; Nevada.
1908 A, 112 ("mastodon").
1915 A, 77, 78, 84, fig. 9 (Mastodon). Pliocene; Nebraska.
Stock, C. 1925 A, 113. Pleistocene (Cave); California.

ANANCUS Lartet. Type *A. macroplus* Lartet = *Mastodon arvernensis* Croizet and Jobert.

Lartet, E. 1859 A, 493 (As syn. of Mastodon).
Hay, O. P. 1902 A, 711 (Mammut, part).
Aymard, A. 1854, Ann. Soc. Agric. Sci. le Puy, 507.
Gidley, J. W. 1926 A, 84.
Hay, O. P. 1923 A, 479.
1923 B, 112 (Anancus); 112 (Dibelodon).
1925 B, 4.
1925 D, 245 ("mastodon").
1925 E, 382.
Matthew, W. D. 1918 A, 200 (Tetralophodon).
1921 B, 189 (Mastodon arvernensis).
Newton, E. T. 1891 A, 43 (Mastodon arvernensis).
Osborn, H. F. 1918 C, table.
1922 F, 4 (Miomastodon; type *Mastodon merriami* Osborn).
1923 A, 17 (Cuvieronius; type *Mastodon humboldtii*).
1926 B, 1 (Pliomastodon; type *Mastodon matthewi* Osborn); 15 (Cordillerion; type *Mastodon andium*).
Schlesinger, G. 1921 A, 2, 125 (Dibunodon, as subgenus).
Stefanescu, S. 1919 E, 1332 (Mastodon).
1920 A, 811 (Mastodon arvernensis).

Anancus bensonensis Gidley.

Gidley, J. W. 1926 A, 85, pl. xxxii.
1922 B, 120 (Gomphotherium n. sp.?).
Hay, O. P. 1927 D, 10, 136.
Lower Pleistocene; Arizona.

Anancus brazosius Hay.

Hay, O. P. 1923 B, 112, pl. viii, figs. 1, 2.
Frick, C. 1926 B, 167 (Anancus braziosus).
Hay, O. P. 1917 B, 22, pl. iii, fig. 2 (Gomphotherium elegans, part).
1917 G, 221, pl. xxvi, fig. 3 (Gomphotherium elegans, part).
1921 B, 403 ("Gomphotherium").
1924 D, 373.
1925 B, 1, pls. i, ii; pl. iii, fig. 1.

Hay, O. P. 1926 C, 13.
1927 D, 297.
Pleistocene (Aftonian); Texas.

Anancus deflocatus Hay.

Hay, O. P. 1926 C, 14, pl. vii; pl. viii, fig. 1.
Pleistocene (Early); Texas.

Anancus edensis (Frick).

Frick, C. 1921 A, 405, pl. 1; text-figs. 160-165 [Tetrabelodon (Trilophodon) shepardi edensis].
1926 B, 127, 141, 152, 169, 171, 174, figs. 1*c*, 2-4*b*, 8, 9, 18, 21*a*-22*d*, 25 [Rhynchotherium (Dibelodon)].
Gidley, J. W. 1926 A, 85, 86 (Tetralophodon shepardi andium).
Hay, O. P. 1923 B, 110 (Gomphotherium).
Osborn, H. F. 1922 F, 2, fig. 2 (Dibelodon edensis).
1926 B, 15 (Cordillerion).
Stock, C. 1925 A, 21 (Trilophodon shepardi edensis).
Pliocene (Eden); California.

Anancus felicis (Freudenberg).

Freudenberg, W. 1922 A, 4, 20, pl. ii; pl. iii, fig. 2; pl. v, fig. 2 [Mastodon (Dibelodon) oligobunus felicis].
1921 A, 139 [Mastodon (Dibelodon) oligobunis felicis].
Pleistocene; Mexico.

Anancus gratus (Hay).

Hay, O. P. 1917 B, 18, pl. iii, figs. 3, 4; pl. iv (Gomphotherium).
Cahn, A. R. 1922 A, 23 (Gomphotherium).
Hay, O. P. 1924 D, 373.
1926 C, 12 (Part to A. orarius).
Osborn, H. F. 1926 B, 15 (Cordillerion).
Pleistocene (Early); Texas.

Anancus? hicksi (Cook).

Cook, H. J. 1922 A, 5, pls. i-iv; pl. vi, fig. 4 (Trilophodon).
1928 B, 39 (Trilophodon).
Upper Miocene?; Colorado.

Anancus humboldtii (Fischer de Waldheim).

Fischer de Waldheim, G. 1814 A, 341 (Mastotherium).
Hay, O. P. 1902 A, 710 (Mammut humboldii).
Abel, O. 1914 A, 202 (Tetrabelodon humboldti).
Blainville, H. M. D. 1864 A, III, 249, 285, pl. xii.
Blake, C. C. 1861 A, 470 (Mastodon).
Boule and Thevenin 1920 A, 43, 63, 68, text-figs. 3, 23, 32 (Mastodon humboldti).
Burmeister, H. 1879 B, 522 (Mastodon).
Capellini, G. 1907 A, 144 (Mastodon humboldti).
Cuvier, G. 1824 Ossem. foss., ed. 2, v, pt. 2, 527 (Mastodon humboldii).
1825 A, I, 266-268, pl. ii, fig. 1 (Mastodon de Humboldt); v, pt. 2, 527 (M. humboldii).
Desmarest, A. G. 1822 A, 386 (Mastodon).
Diener, C. 1912 A, 224 (Mastodon humboldti).
Dumble, E. T. 1894 A, 559 (Dibelodon).
Eaton, G. F. 1905 A, 330 (Mastodon).
Falconer, H. 1863 A, 99 (Mastodon).
Fischer, J. B. 1829 A, 408 (Mastodon).
Freudenberg, W. 1922 A, 8, 16 (Mastodon humboldti).
Gaudry, A. 1891 B, 3 (Mastodon).
Gervais, P. 1855 A, 17, pl. v, figs. 9, 10.
Hay, O. P. 1917 B, 20 (Gomphotherium humboldii).
1917 G, 221 (Gomphotherium humboldii).
1923 B, 112 (Anancus).
1924 D, 17 (Mastodon).
1925 B, 2, 4, 5 (Mastodon, Anancus).
1925 C, 25 (Mastodon).
1925 E, 382.
Hays, I. 1834 A, 333, pl. ii, fig. 5 (Mastodon).
Ingalls, A. G. 1926 A, 290, fig. (Cuvieronius).
Kaup, J. J. 1843 A, 169 (Mastodon).
Koch, A. C. 1845 A, 16 (Mastodon).
Lull, R. S. 1908 A, 191 (Dibelodon).
1909 A, 670 (Dibelodon).
Matthew, W. D. 1909 C, 120 (Dibelodon?).
Merriam, J. C. 1917 A, 435 (Dibelodon).
Meyer, H. 1867 C, 789 (Trilophodon).
Murchison, C. 1868 A, II, 8 (Mastodon).
Nordenskiöld, E. 1903 A, 6, 14, 21, pls. v, vi (Mastodon humboldti).
Osborn, H. F. 1903 E, 249 (M.).
1905 E, 931 (M.).
1918 C, table (Tetralophodon).
1921 A, 10 (M.).
1923 E, 1 (Cuvieronius).
1925 A, 17 (Cuvieronius).
1925 B, 27, fig. 3 (Cuvieronius).
1926 B, 15 (Cuvieronius).
Palacký, J. 1903 B, 316 (Mastodon).
Pompeckj, J. F. 1905 A, 44, pl. iii, fig. 3*a*; pl. iv, fig. 3*b* (Mastodon humboldti).
Poñtier, G. 1910 B, 303 (Mastodon humboldti; syn. of M. andium).
Schlesinger, G. 1921 A, 229 (Mastodon humboldti).
Stefanescu, S. 1919 A, 98 (Mastodon humboldti).
Zittel and Schlosser 1923 A, 631 (Mastodon).
Upper Pliocene (Blanco); Texas.

Anancus hyodon (Fischer, G.).

Fischer de Waldheim, G. 1814 A, 341 (Mastotherium).
Abel, O. 1914 A, 202 (Tetrabelodon andium).
Ameghino, F. 1905 A, 39, fig. 43 (Mastodon andium).
Andrews, C. W. 1908 D, 33 (Mastodon andium).
1922 B, 34 (Mastodon andium).
Blainville, H. M. D. 1864 A, III, 249 (Mastodon andium).
Boule and Thevenin 1920 A, 3, pls. i-ix; text-figs. 2, 5-13, 18, 20, 22, 27 (Mastodon andium).
Burmeister, H. 1879 B, 523 (Mastodon antium).
Capellini, G. 1907 A, 144 (Mastodon andium).
Cipriani, L. 1923 A, 93.
Cope, E. D. 1884 G, 5 (Tetrabelodon andium).
Cuvier, G. 1824, Ossem. foss., ed. 2, v, pt. 2, 527 (Mastodon andium).
1825 A, I, 267, pl. ii, fig. 5; v, pt. 2, 527 (M. andium).

Desmarest, A. G. 1822 A, 385 (Mastodon cordillerarum).
Diener, C. 1912 A, 225 (Mastodon andium).
Dietrich, W. O. 1916 A, 44, 49, 57, 68, 74 (Mastodon andium).
Falconer, H. 1868 A, 74 (Mastodon andium?).
Felix and Lenk 1891 A, 133 (Mastodon adium. This species?).
Fischer, J. B. 1829 A, 408 (Mastodon cordillerarium).
Freudenberg, W. 1922 A, 7, 11, 12, 16, 17 (Mastodon andium, Dibelodon cordillerarum).
Frick, C. 1926 B, 170, 174 [Mastodon (Dibelodon) andium].
Gaudry, A. 1891 B, 4, pl. ii, fig. 2 (Mastodon andium).
Gervais, P. 1855 A, 14, pls. v, vi, figs. 1-8 (Mastodon andium).
Gidley, J. W. 1926 A, 85 (Mastodon andium).
Hay, O. P. 1923 B, 112 (Anancus).
1924 D, 17 (Anancus).
1925 B, 2, 4, 5 (Mastodon andium, M. cordillerum, M. cordillerarum, Anancus hyodon).
1925 C, 25 (Mastodon).
Hays, I. 1834 A, 332, pl. ii, fig. 1 (Mastodon cordillerarum).
Ingalls, A. G. 1926 A, 290, fig. (Dibelodon).
Kaup, J. J. 1843 A, 169 (Mastodon andium).
Leidy, J. 1869 A, 242, 397, pl. xxvii, fig. 14 (Mastodon andium?).
Lull, R. S. 1908 A, 191 (Dibelodon andium).
Lydekker, R. 1886 B, 44 (Mastodon cordillerum).
Matthew, W. D. 1921 B, 186 (Mastodon andium).
Murchison, C. 1868 A, II, 8, 15 (Mastodon andium).
Osborn, H. F. 1918 C, table (Tetralophodon andium).
1921 A, 10 (M [astodon] andium).
1923 E, 2 (Mastodon andium).
1925 A, 17 (Dibelodon andium).
1925 B, 27, fig. 3 (Dibelodon andium).
1926 B, 15 (Cordillerion andium).
Owen, R. 1844 B, 269, 270, figs. 1, 2 (Mastodon australis).
Philippi, R. A. 1893 A, 88, figs. 1, 3.
Pompeckj, J. F. 1905 A, 21, 25 (Mastodon andium).
Pontier, G. 1910 B, 303, fig. (Mastodon andium; M. cordillerarum, M. humboldti as syns.).
Scharff, R. F. 1911 A, 408 (Mastodon andium).
Schlesinger, G. 1921 A, 229 (Mastodon andium).
Stefanescu, S. 1918 A, 740 (Mastodon andium).
1919 A, 97 (Mastodon andium).
Trouessart, E. L. 1905 A, 600 (Mastodon andium).
Virlet d'Aoust, T. 1865 A, 23 (Mastodon andicus).
Wyman, J. 1855 C, 275, pl. xii, figs. 1, 2 (Mastodon andium).
Zittel and Schlosser 1923 A, 631 (Mastodon andium).
Upper Pliocene? and Pleistocene (Early); South America, Mexico, Texas.

Anancus oligobunis (Cope).

Cope, E. D. 1893 C, 204 (Mastodon).
1884 G, 5 (Dibelodon shepardi; not Mastodon shepardi Leidy).
1893 A, 59 (Mastodon).
1893 P, 473 (Mastodon).
Felix and Lenk 1891 A, 126, 127, pl. xxx, fig. 1 (Mastodon shepardi).
Freudenberg, W. 1922 A, 11, 13, 15, 17, text-fig. 4 (Mastodon).
Hay, O. P. 1925 C, 25, 28 (Mastodon oligobunis, Dibelodon shepardi, Mastodon shepardi).
Osborn, H. F. 1926 B, 15 (Cordillerion).
Villada, M. M. 1903 A, 450, pl. vii (Dibelodon shepardi).
Zittel and Schlosser 1923 A, 681 (Mastodon).
Pleistocene (Early); Mexico.

Anancus oligobunis antiquissimus (Freudenberg).

Freudenberg, W. 1922 A, 4, 18, pl. i, fig. 3; pl. viii, fig. 3 [Mastodon (Dibelodon)].
1921 A, 139 (Mastodon; no description).
Pleistocene (Early); Mexico.

Anancus oligobunis intermedius (Freudenberg).

Freudenberg, W. 1922 A, 4, 23, pl. iv; pl. vi, fig. 1; pl. viii, fig. 4 (Mastodon).
Hay, O. P. 1925 C, 27, 28 (Mastodon).
Pleistocene (Early); Mexico.

Anancus oligobunis progressus (Freudenberg).

Freudenberg, W. 1922 A, 4, 20, 26, 27, pl. v, fig. 1; pl. vi (Mastodon).
1921 A, 139 (Mastodon; no description).
Hay, O. P. 1925 C, 27, 28 (Mastodon).
Pleistocene (Early); Mexico.

Anancus orarius Hay.

Hay, O. P. 1926 C, 8, pl. ii, fig. 1; pl. iii, fig. 1; pl. iv; pl. v, figs. 1-3.
1927 D, 287.
Pleistocene (Early); Texas.

Anancus successor (Cope).

Cope, E. D. 1892 G, 227 (Mastodon).
Hay, O. P. 1902 A, 712 (Mammut tropicum, in part).
Cope, E. D. 1893 A, 58, 59, 62, pl. xvi, fig. 1; pl. xvii, figs. 1-3 (Dibelodon tropicus).
Dumble, E. T. 1894 A, 559 (Didelodon tropicus).
Gidley, J. W. 1903 C, 627 (Dibelodon tropicus).
Hay, O. P. 1917 B, 20 (Gomphotherium tropicum).
1917 G, 220 (Gomphotherium tropicum).
Lucas, F. A. 1902 A, 555 (Mastodon tropicus).
Osborn, H. F. 1924 H, 3 (Stegomastodon).
Matthew, W. D. 1909 C, 120 (Dibelodon tropicus).
Pliocene (Blanco); Texas.

Anancus tropicus (Cope).

Hay, O. P. 1902 A, 712 (Mammut).
Böse, E. 1905 A, 34 (Mastodon).
Boule and Thevenin 1920 A, 73 (Mastodon).

Eaton, G. F. 1905 A, 330 (Mastodon).
Felix and Lenk 1891 A, 133 (Mastodon).
Freudenberg, W. 1921 A, 139 (Mastodon).
1922 A, 4, 8, 11, 28, pl. iii, fig. 1; pl. vi, fig. 3; text-fig. 9 [Mastodon (Dibelodon)].
Hay, O. P. 1925 C, 31 (Mastodon).
1926 C, 12.
Osborn, H. F. 1903 E, 249 (M.).
1921 A, 10 (Mastodon).
1926 B, 15 (Cordillerion).
Villada, M. M. 1903 A, 450 (Dibelodon).
Zittel and Schlosser 1923 A, 631, 680 (Mastodon). Upper Pliocene (Blanco); Mexico.

Anancus sp. indet.

Bárcena, M. 1882 A, 20 ("mastodonte"). Pleistocene?; Mexico.
Cope, E. D. 1885 M, 494 (Mastodon). Miocene; Mexico.
Gidley, J. W. 1922 B, 120 (Dibelodon). Pliocene? (San Pedro Valley); Arizona.
Hay, O. P. 1927 D, 16, 266, 267, 268. Pleistocene; California, Idaho.
Lucas, F. A. 1900 H, 99 ("Mastodon; not Mastodon americanus").

Stegomastodon Pohlig. Type *Mastodon mirificus* Leidy.

Pohlig, H. 1912 A, 193.
Hay, O. P. 1902 A, 711 (Mammut, in part).
Gidley, J. W. 1926 A, 86.
Hay, O. P. 1914 A, 373 (Rhabdobunus).
Matthew, W. D. 1915 B, 15 (Syn. of Dibelodon).
1918 A, 201.
Merriam, J. C. 1917 A, 443 (Stegodon).
Osborn, H. F. 1925 A, 15.

Stegomastodon arizonæ Gidley.

Gidley, J. W. 1924, in Osborn, H. F. 1924 H, 4 (Stegomastodon).
1922 B, 120 (Dibelodon? n. sp.?).
1926 A, 86, pls. xxxiii-xxxix (Stegomastodon).
Hay, O. P. 1927 D, 136 (Dibelodon sp. indet.); 301 (Anancus); 313 (Stegomastodon).
Ingalls, A. G. 1926 A, 290, fig. (Stegomastodon).
Osborn, H. F. 1925 A, 15, fig. (Stegomastodon). Lower Pleistocene; Arizona.

Stegomastodon elegans (Hay).

Hay, O. P. 1917 B, 21, pl. iii, figs. 1, 2; not fig. 3 (Gomphotherium).
1917 G, 219, pl. xxvi (Gomphotherium).
1923 B, 112, 113, figs. 1, 2.
1924 D, 378 (Gomphotherium).
Pleistocene (Aftonian); Kansas.

Stegomastodon mirificus (Leidy).

Hay, O. P. 1902 A, 711 (Mammut).
Baker, F. C. 1920 A, 470 (Rabdobundus).
Barbour, E. H. 1914 B, 181 (Mastodon mercificus).
1914 C, 222 (Mammut).
Boule and Thevenin 1920 A, 72 (Mastodon).
Calvin, S. 1909 B, 355, pl. xxvii (Mammut).
1910 A, xii ("mastodon").
Dall and Harris 1892 A, 286 (Mastodon).
Frick, C. 1921 A, 409 (Tetralophodon).
Gidley, J. W. 1903 C, 619, 627 (Dibelodon).
1926 A, 86, 87 (Stegomastodon).
Haug, E. 1911 A, 1886 (Mastodon).
Hay, O. P. 1914 A, 26, 374, pl. xlviii, figs. 2, 3; pl. xlix, fig. 2; pl. l (Rhabdobunus).
1919 D, 374 (Stegomastodon).
1921 B, 403 (Stegomastodon).
1923 A, 377 (Stegomastodon).
1924 D, 16, 35 (Anancus).
Hay, O. P. 1926 E, 388, 390 (Anancus).
1927 D, 301 (Anancus); 74, 312 (Stegomastodon).
1928 B, 238 (Mastodon).
1928 C, 423, 425, 426 (Stegomastodon).
Lartet, E. 1859 A, 499, 505 (Mastodon).
Lindgren, W. 1898 A, 628 (Mastodon).
Lindgren and Drake 1904 A, 3 (Mastodon).
Louderback, G. D. 1924 A, 7 (Mastodon).
Lucas, F. A. 1902 A, 555 (Mastodon).
1904 F, 3 (Mastodon).
Lull, R. S. 1908 A, 191 (Dibelodon).
Matthew, W. D. 1909 C, 120 (Dibelodon).
1918 A, 201 (Stegomastodon).
Merriam, J. C. 1917 A, 432, 433 (Mastodon); 435 [Dibelodon (Stegodon)].
Merrill, G. P. 1907 A, 45 (Mastodon).
Newberry, J. S. 1870 D, 28 (Mastodon).
Osborn, H. F. 1901 G, 160 (Elephas).
1905 H, 223 (Mastodon).
1909 D, 82 (Dibelodon); 83, 84 (Mastodon).
1910 B, 363, 366, 368 (Stegodon, Mastodon).
1918 A, 30, 32 (Dibelodon).
1918 C, 135 (M.); table (Tetralophodon, Stegomastodon).
1921 A, 10, 11 (Mastodon).
1922 A, 5 (M.).
1922 E, 282 (M.).
1924 H, 3 (Stegomastodon mirificus; S. aftoniæ).
1925 A, 16 (Stegomastodon, Mastodon).
1925 B, 27 (Mastodon).
Pohlig, H. 1912 A, 193 (Stegomastodon).
Pontier, G. 1910 B, 306 (Mastodon).
Ruschenberger and Tryon 1879 A, 14 (Mastodon).
Shimek, B. 1910 A, 126, 127 (Mammut).
1910 B, 316 (Mammut).
1912 A, 128 (Mammut).
Zittel and Schlosser 1923 A, 631, 680 (Mastodon). Pleistocene; Nebraska: (Aftonian); Iowa Kansas: (Idaho); Idaho.

Stegomastodon nebrascensis Osborn.

Osborn, H. F. 1924 H, 5, fig. 2.
Middle Pliocene (Snake Creek); Nebraska.

Stegomastodon texanus Osborn.

Osborn, H. F. 1924 H, 3, fig. 2 (Stegomastodon).
Upper Pliocene (Blanco); Texas.

GOMPHOTHERIUM Burmeister. Type *Mastodon angustidens.*

Burmeister, H. 1837, Handb. Naturges., 795.
Hay, O. P. 1902 A, 707 (Mammut, in part).
Abel, O. 1907 C (80) (Tetrabelodon).
1912 F, 242, 703, figs. 431-433 (Tetrabelodon).
1913 B, 750 (Tetrabelodon, Bunolophodon).
1914 A, 193, 200 (Tetrabelodon).
1914 B, 73, 74, figs. 23, 24 (Tetrabelodon, in part).
1914 C, 384 (Tetrabelodon).
1919 A, 790, fig. 594 (Mastodon).
1922 C, 173, figs. 139-141 (Mastodon).
Ameghino, F. 1889 A, 1017 (Mastodon).
1902 A, 39 (Mastodon).
1906 A, 340 (Mastodon).
1912 A, 47 (Mastodon).
Andrews, C. W. 1903 B, 99 (Tetrabelodon).
1903 D (Mastodon).
1903 E, 226 (Tetrabelodon).
1906 A, xviii (Tetrabelodon).
1907 C, 302 (Tetrabelodon).
1908 A, 398 (Tetrabelodon).
1912 A, 454 (Tetrabelodon).
1922 B, 23, figs. 12-17 (Tetrabelodon); 33 (Rhynchotherium).
Bach, F. 1910 A (Mastodon).
Baird, S. F. 1876 A, ccx (Mastodon).
Barbour, E. H. 1914 B, 177 (Tetrabelodon); 180 (Dibelodon); 181 (Gomphotherium); 186 (Eubelodon, type *E. morrilli* Barbour).
1915 B, 217 (Megabelodon, type *Tetrabelodon lulli* Barbour).
1917 A, 512 (Tetrabelodon, Genomastodon, Mastelephas).
1927 A, 132 (Amebelodon, type *A. fricki*).
Boule and Thevenin 1920 A, 3 (Mastodon).
Branca, W. 1907 A, 9 ("mastodonten").
Bronn, H. G. 1849 A, 703 (Mastodon).
Burmeister, H. 1879 B, 521 (Mastodon).
Capellini, G. 1907 A (Mastodon).
Cooper, C. F. 1922 D, 609 (Bunolophodon).
1923 B, 263 (Tetrabelodon).
Cope and Matthew 1915 A, pl. cxx.
Depéret, C. 1907 B (Mastodon).
Diener, C. 1912 A, 206 (Mastodon).
Dollo, L. 1889 I, 682 (Tetrabelodon).
Eales, N. B. 1926 A, 541, 543.
Eaton, G. F. 1914 A, 145 (Dibelodon).
Falconer, H. 1868 A, II, 74 (Rhynchotherium).
Freudenberg, W. 1922 A, 12 (Tetrabelodon).
Frick, C. 1926 B, 124 [Trilophodon (Serridentinus), Rhynchotherium].
1926 C, 440 (Trilophodon).
Gaudry, A. 1896 A, 99 (Mastodon).
1906 A, 8 ("mastodontes").
Gawrilenko, A. 1924 A, 234 (Tetrabelodon).
Gervais, P. 1852 A, 38 (Mastodon).
1859 A, 67, text-fig. 12 (Mastodon).
Giebel, C. G. 1855 A, 78 (Mastodon).
1883 A, pl. lxxxviii (Mastodon).
Gloger, C. W. L. 1842, Hand-Hilfsbuch, 119 (Gamphotherium; type *Mastodon angustidens*).
Haug, E. 1911 A, 1706 (Tetralophodon).
Hay, O. P. 1918 B, 12.
1919 A, 311.
Hay, O. P. 1919 D, 372.
1923 A, 486.
1923 B, 109, 112.
1925 E, 382.
Hoernes, R. 1886 A, 684 (Mastodon).
Hutchinson, H. N. 1910 A, 269, pl. xlvi (Tetrabelodon).
Joleaud, L. 1919 A, 708, fig. 3 ("mastodontes").
Knipe, H. R. 1912 A, 160, fig. (Tetrabelodon).
Kunz, G. F. 1916 A, 487 (Eubelodon).
Lankester, E. R. 1905 A, 117 (Tetrabelodon).
Lartet, E. 1859 A, 482 (Mastodon).
Leche, W. 1921 A, 69 (Mastodon).
Lee, Stone and Gale 1915 A, 27 ("mastodons"); 34, pl. vi ("trilophodon").
Leidy, J. 1871 J, 142 (Rhynchotherium).
1873 B, 237 (Rhynchotherium).
Lönnberg, E. 1907 B, 62, fig. 4 (Tetrabelodon).
Lull, R. S. 1908 A, 189 (Tetrabelodon); 191 (Dibelodon).
1909 A, 657, figs. 7, 14, 15 (Tetrabelodon); 658 (Dibelodon).
1914 E, 63, 67, pl. i, fig. 3; pl. ii, fig. 5 (Tetrabelodon).
1917 B, 592, 595, 596, 597 (Dibelodon, Tetralophodon, Trilophodon).
Lydekker, R. 1903 D, 124 ("mastodons").
1903 E, 170, fig. 2 ("mastodon").
1907 C, 676 (Tetrabelodon).
Matsumoto, H. 1923 A, 103, 117, 119, 120 (Trilophodon, Megabelodon, Tetrabelodon).
1924 A, 58 (Tetralophodon).
Matthew, W. D. 1909 C, 120 (Dibelodon).
1915 B, 15 (Dibelodon); 16 (Tetralophodon, Rhynchotherium); 17 (Gomphotherium).
1915 K, fig. 35 (Trilophodon).
1916 G, 487, fig. (Mastodon, Dibelodon).
1918 A, 186 (Trilophodon); 200 (Zygolophodon); 201 (Megabelodon, Eubelodon).
1921 B, 189 (Rhynchotherium).
1924 A, 5 (Serridentinus, Trilophodon).
Matthew and Cook 1909 A, 367 (Gomphotherium, Dibelodon, Tetrabelodon).
Meyer, H. 1867 C, 788 (Trilophodon).
Moreau, L. 1914 A, 87 (Mastodon).
Osborn, H. F. 1909 D, 78 (Trilophodon).
1910 B, 558 (Dibelodon); 633 (Tetralophodon).
1918 A, 24 (Tetrabelodon).
1918 C, table (Gomphotherium, Trilophodon, Tetralophodon, Eubelodon, Mastotherium, Bunolophodon, Rhynchotherium).
1919 D, 226 (Megabelodon).
1921 A, 3, 5, figs. 1, 2 (Rhynchotherium).
1923 E, 2 (Serridentinus; type *Mastodon productus* Cope).
1924 F, 1 (Serridentinus).
1924 H, 1 (Tetralophodon).
1925 A, 8, 9 (Trilophodon); 12 (Tetralophodon); 14 (Rhynchotherium).
1925 B, 23 (Trilophodon, Tetralophodon).
1926 B, 4 (Serridentinus, Trilophodon).
Owen, R. 1860 E, 353 (Mastodon).
Palacký, J. 1903 B, 313, 317 (Mastodon).
Palmer, T. S. 1904 A, 298, 943.
Pavlow, M. 1903 C, 130 (Mastodon).

Petronievics, B. 1921 A, 102 (Tetrabelodon).
Pilgrim, G. E. 1912 A, 16 (Tetrabelodon).
1913 A, 292 (Tetrabelodon).
Roth, S. 1908 A, 141 (Mastodon).
Scharff, R. F. 1911 A, 231 (Tetrabelodon).
Schlesinger, G. 1912 A (Tetrabelodon).
1921 A, 2 (Tetrabelodon, Bunolophodon).
Schlosser, M. 1911 A, 137 (Mastodon); 163 (Tetrabelodon).
Schmidt, O. 1886 A, 231, fig. 40 (Mastodon).
Schuchert, C. 1915 A, 942.
Schuchert and Levene 1927 A, 336, 352, fig. (Trilophodon).
Scott, W. B. 1913 A, 430, 437 (Tetrabelodon); 681 (Gomphotherium).
Spencer, J. W. 1898 A, 26 ("mastodon").
Stefanescu, S. 1913 B, 735 (Mastodon).
1913 C, 883 (Mastodon).
1918 A, 740 (Mastodon).
1919 A, 98 (Mastodon).
1919 B, 467 ("bunolophodontes").
1919 C, 907 (Mastodon).
1919 D, 1211 (Mastodon).
Steinmann, G. 1907 A, 483 (Mastodon).
Stromer, E. 1906 A, 210, 216 (Mastodon).
1908 B, 174 (Mastodon).
Terra, P. 1911 A, 334 (Tetralophodon).
Thomas, O. 1895 A, 191, 192 (Gamphotherium).
Trouessart, E. L. 1905 A, 599 (Tetrabelodon).
Vacek, M. 1877 A, 45 (Bunolophodon).
1877 B, 52 (Mastodon).
Warren, J. C. 1852 C, 139 (Tetralophodon).
Weber and Abel 1928 A, xix, 465, figs. 294, 295. (Bunolophodon).
Wilckens, O. 1911 A, 708 ("mastodonten").
Wiman, C. 1923 A, 225 (Mastodon).
Woodward, A. S. 1904 C, 194, fig. 6 (Tetrabelodon).
1923 C, 63, figs. 55, 60 (Tetrabelodon).
Zittel and Schlosser 1911 A, 538, figs. 731-733 (Mastodon, Tetralophodon).
1923 A, 629, figs. 773-775 (Mastodon, Tetralophodon).

Gomphotherium abeli (Barbour).

Barbour, E. H. 1925 C, 91, figs. 52-56 (Tetrabelodon).
Cook, H. J. 1928 B, 37 (Trilophodon).
Frick, C. 1926 B, 168 (Trilophodon).
Pliocene (Devil's Gulch); Nebraska.

Gomphotherium anguirivale (Osborn).

Osborn, H. F. 1926 B, 10, 11, fig. 8 (Serridentinus).
Pliocene (Snake Creek); Nebraska.

Gomphotherium barbouri Osborn.

Osborn, H. F. 1921 A, 9, 10 (Tetralophodon).
1924 H, 1, fig. 1 [Tetralophodon (Morrilla, Type *T. barbouri*)].
1925 A, 12 [Tetralophodon (Morrillia)].
1925 B, 26 [Tetralophodon (Morrillia)].
Upper Pliocene; Nebraska.

Gomphotherium brevidens (Cope).

Hay, O. P. 1902 A, 710 (Mammut).
Abel, O. 1919 A, 824, fig. 24 (Mastodon).
Boule and Thevenin 1920 A, 71 (Mastodon).
Depéret, C. 1912 A, 709 (Mastodon).
Dollo, L. 1889 I, 685 (Tetrabelodon).
Matthew, W. D. 1901 B, 359, 374 (Tetrabelodon).
1909 C, 114 [Trilophodon (=Gomphotherium breviceps)].
1918 A, 199 (Mastodon).
Osborn, H. F. 1903 E, 249 (M.).
1910 B, 292 (Trilophodon).
1918 C, 135 (Rhynchotherium).
1921 A, 5, 6 (Rhynchotherium).
1922 F, 4 (Rhynchotherium).
1926 B, 13 (Rhynchotherium).
Palacký, J. 1903 B, 311 ("brevidens").
Pavlow, M. 1901 A, 13, pl. i, fig. 4 (This species?).
1907 A, 142.
Schlesinger, G. 1921 A, 159, 161, 226 (Mastodon tapiroides).
Weber and Abel 1928 A, 469 (Rhynchotherium).
Middle Miocene (Deep River); Montana, Oregon.

Gomphotherium brewsterensis (Osborn).

Osborn, H. F. 1926 B, 11, fig. 9 (Serridentinus).
Pliocene; Florida.

Gomphotherium campester (Cope).

Hay, O. P. 1902 A, 710 (Mammut campestre).
Andrews, C. W. 1908 D, 32 (Tetrabelodon campestris).
1909 A, 347, 349 (Tetrabelodon).
Barbour, E. H. 1915 A, 90 (Tetrabelodon).
1915 B, 216 (Tetrabelodon).
Boule and Thevenin 1920 A, 72 (Mastodon).
Cope and Matthew 1915 A, pls. cxx, cxxi; pl. cxxii, figs. 1, 2; pl. cxxiii, fig. 1 (Mastodon, Tetralophodon).
Freudenberg, W. 1922 A, 6, 24 (Mastodon).
Frick, C. 1921 A, 409 (Tetralophodon).
Ingalls, A. G. 1926 A, 290, fig. (Tetralophodon).
Lull, R. S. 1908 A, 190 (Tetrabelodon).
Matthew, W. D. 1909 C, 116 (Trilophodon).
1915 B, 24 (Tetralophodon).
1918 A, 201 (Mastodon).
Merriam, J. C. 1917 A, 438 (Tetralophodon).
Osborn, H. F. 1903 E, 249 (M.).
1909 D, 81 (Trilophodon).
1910 B, 353 (Tetralophodon).
1918 A, 27 (Tetrabelodon).
1918 C, table (Trilophodon).
1921 A, 7, 10, fig. 4 (Tetralophodon).
1923 E, 3 (Tetralophodon).
1925 B, 25, fig. 3 (Tetralophodon).
Pavlow, M. 1903 C, 137 (Mastodon).
Pompeckj, J. F. 1905 A, 47 (Mastodon).
Schlesinger, G. 1921 A, 228, 229 (Mastodon).
Sternberg, C. H. 1909 C, 123 (Trilophodon).
Trouessart, E. L. 1905 A, 600 (Tetrabelodon).
Weber and Abel 1928 A, 469 (Bunolophodon).
Zittel and Schlosser 1923 A, 631 (Mastodon).
Pliocene (Republican River); Kansas, Nebraska.

Gomphotherium? chapmani (Leidy).

Leidy, J. 1869 A, 248, 396 (Mastodon).
Hay, O. P. 1902 A, 710 (Mammut).

Blainville, H. M. D. 1864 A, III, 257 (Mastodon chapmani; syn. "de l'animal de l'Ohio").
Osborn, H. F. 1921 A, 11 (Mastodon).
Locality and formation unknown.

Gomphotherium cimarronis (Cope).

Cope, E. D. 1893 A, 18 (Tetrabelodon serridens?); 20, pl. iii, figs. 2, 3 (T. s. cimarronis).
Freudenberg, W. 1922 A, 7 (Tetrabelodon).
Frick, C. 1926 B, 141, 142, 156, 157, 163, 165, 167 [Trilophodon (Serridentinus)].
Hay, O. P. 1925 B, 5, pl. iii, figs. 2-6; pl. iv; text-figs. 1-9.
1925 C, 22.
Matthew, W. D. 1915 L, 470 (Trilophodon sp.).
Montgomery, T. H. 1904 A, 57 (Tetrabelodon serridens cimarronis).
Osborn, H. F. 1921 A, 8 (Trilophodon serridens cimarronis).
1926 B, 12 (Serridentinus).
Trouessart, E. L. 1905 A, 600 (Syn. of Tetrabelodon serridens).
Miocene (Clarendon, Fleming); Texas.

Gomphotherium? conodon Cook.

Cook, H. J. 1909 A, 183, fig. 1.
1912 D, 42 (This genus?).
Joleaud, L. 1919 D, 414 (Mastodon).
O'Harra, C. C. 1920 A, 157.
Miocene (Upper Harrison); Nebraska.

Gomphotherium dinotherioides (Andrews).

Andrews, C. W. 1909 A, 347, figs. A-C (Tetrabelodon).
Abel, O. 1913 B, 750, fig. 78.
1914 A, 202, fig. 161 (Tetrabelodon).
Andrews, C. W. 1908 D, 28 (Tetrabelodon).
1916 C, 128 (Tetrabelodon).
1921 B, 534 (Tetrabelodon).
1922 B, 29, fig. 17 (Tetrabelodon).
Freudenberg, W. 1921 A, 139 (This species?).
1922 A, 4, 11, 14, 18, text-fig. 6 (Mastodon, Tetrabelodon. This species?).
Hay, O. P. 1925 C, 24 (Mastodon, Tetrabelodon).
Matthew, W. D. 1918 A, 201 (Mastodon).
Osborn, H. F. 1921 A, 6 (Rhynchotherium).
Schlesinger, G. 1921 A, 230 (Mastodon).
Sternberg, C. H. 1907 B, 971 ("inferior-tusked mastodon").
1909 C, 123 ("gigantic pachyderm").
Weber and Abel 1928 A, 468, fig. 297 (Rynchotherium).
Lower Pliocene or Upper Miocene (River Republican); Kansas, Mexico.

Gomphotherium? emmonsi sp. nov.

Emmons, E. 1858 B, 199, fig. 23 (Mastodon giganteus).
1860 A, 218, fig. 186 ("mastodon").
Leidy, J. 1869 A, 396 (Mastodon obscurus?).
Pleistocene?; North Carolina.

Gomphotherium euhypodon (Cope).

Hay, O. P. 1902 A, 710 (Mammut).
Andrews, C. W. 1908 D, 32 (Tetrabelodon euhyphodon).
Andrews, C. W. 1909 A, 349 (Tetrabelodon).
Barbour, E. H. 1914 B, 181, 190 (Mastodon).
1915 B, 222 (Tetrabelodon).
1917 A, 172 (Tetrabelodon. This species?).
Dumble, E. T. 1920 A, 231 (Trilophodon euphyodon).
Freudenberg, W. 1922 A, 12 (Mastodon).
Matthew, W. D. 1909 C, 116 (Trilophodon).
1920 E, 231 (Trilophodon euphyodon).
Merriam, J. C. 1917 A, 438 (Tetralophodon).
Osborn, H. F. 1903 E, 249 (M.).
1909 D, 81 ("Trilophodon").
1910 B, 353 (Tetralophodon).
1918 C, 135 (Rhynchotherium).
1921 A, 5, fig. 2 (Rhynchotherium).
1923 E, 3 (Rhynchotherium).
Pavlow, M. 1903 C, 137 (Mastodon).
Pompeckj, J. F. 1905 A, 47 (Mastodon).
Schlesinger, G. 1921 A, 50, 53, 63, 229 (Mastodon; syn. of M. angustidens).
Trouessart, E. L. 1905 A, 599 (Tetrabelodon).
Upper Miocene (Republican River); Kansas: or Lower Pliocene (Devil's Gulch); Nebraska.

Gomphotherium falconeri (Osborn).

Osborn, H. F. 1923 E, 3 (Rhynchotherium).
Upper Pliocene (Blanco); Texas.

Gomphotherium floridanum (Leidy).

Hay, O. P. 1902 A, 710 (Mammut).
Allen, G. M. 1926 A, 454.
Freudenberg, W. 1922 A, 6, 9, 33 (Mastodon).
Frick, C. 1921 A, 408 (Mastodon); 409 (Trilophodon).
1926 B, 141 (Mastodon); 169 [Trilophodon (Serridentinus)].
Gidley, J. W. 1911 A, 436 (Mammut).
Hay, O. P. 1917 G, 220.
1923 A, 486.
1925 C, 22.
Leidy and Lucas 1896 A, viii, 15, pls. i-vii (Mastodon).
Lucas, F. A. 1902 A, 555 (Mastodon).
Matson and Clapp 1909 A, 136, 137 (Mastodon).
Matthew, W. D. 1909 C, 116 (Trilophodon).
Merriam, J. C. 1917 A, 439 [Mastodon (Trilophodon)].
Merrill, G. P. 1907 A, 45 (Mastodon).
Moodie, R. L. 1923 B, 224.
Osborn, H. F. 1903 E, 249 (M.).
1905 E, 931 (Mastodon floridianus).
1910 B, 348 (Mastodon).
1918 C, table (Trilophodon).
1921 A, 7 (Trilophodon).
1923 E, 2 (Serridentinus).
1926 B, 12 (Serridentinus).
Sellards, E. H. 1914 A, 162 (Mastodon).
1915 A, 135 (Mastodon. This species?).
1915 D, 72, 104, figs. 34, 36 [Mastodon (Trilophodon)]; 106, fig. 35 ("mastodon." This species?).
1915 in Matson, G. C. 1915 A, 67 (Mastodon).
1916 B, 94 (Mastodon).
Spencer, J. W. 1895 A, 136 (Mastodon).
Trouessart, E. L. 1905 A, 599 (Tetrabelodon).
Upper Pliocene or Lower Pleistocene (Alachua); Florida.

Gomphotherium fricki (Barbour).

Barbour, E. H. 1927 A, 131, figs. 89-91 (Amebelodon).
Cook, H. J. 1928 B, 38 (Amebelodon).
Weber and Abel 1928 A, 478, fig. 307*a* (Amebelodon).
Pleistocene? (Early); Nebraska.

Gomphotherium giganteum (Osborn).

Osborn, H. F. 1921 A, 7, 10, fig. 4 (Trilophodon).
Andrews, C. W. 1922 B, 34.
Barbour, E. H. 1925 D, 111 (Tetralophodon).
Cook, H. J. 1928 B, 38 (Trilophodon).
Frick, C. 1926 B, 157 (Tetrabelodon).
Ingalls, A. G. 1926 A, 290, fig. (Trilophodon).
Osborn, H. F. 1923 E, 3 (Trilophodon).
1925 A, 10, 23, fig. (Trilophodon).
1925 B, 25, fig. 3 (Trilophodon).
Peterson, O. A. 1928 A, 111 ("Trilophodon").
Miocene or Pliocene; South Dakota.

Gomphotherium guatemalense (Osborn).

Osborn, H. F. 1926 B, 12, fig. 12 (Serridentinus).
Pleistocene?; Guatemala.

Gomphotherium leidii (Frick).

Frick, C. 1926 B, 125, 155, 169, figs. 16*a*-16*d*, 24*a*-24*c* [Trilophodon (Serridentinus)].
Upper Pliocene or Lower Pleistocene (Alachua); Florida.

Gomphotherium ligoniferum Cope.

Cope, E. D. 1915, in Cope and Matthew, 1915 A, pl. cxxii, figs. 3, 5; pl. cxxiv (Mastodon).
Matthew, W. D. 1915, in Cope and Matthew, 1915 A, pls. cxxii, cxxiv (Tetralophodon? sp.).
Osborn, H. F. 1923 E, 3 (Trilophodon).
Miocene (Republican River); Nebraska.

Gomphotherium lulli (Barbour).

Barbour, E. H. 1914 C, 213, 222, pls. iii-vi (Tetrabelodon); 217 (Megabelodon).
Barbour, E. H. 1915 A, 87, figs. 1, 2 (Tetrabelodon).
1915 B, 134, fig. 5 (Tetrabelodon).
1916 B, 253, fig. 2 (Tetrabelodon).
1917 A, 512 (Tetrabelodon, Megabelodon).
Boule and Thevenin 1920 A, 73 (Mastodon).
Frick, C. 1926 B, 147, 168 [Trilophodon (Serridentinus)].
Kunz, G. F. 1916 A, pl. opp. p. 324, fig. 6; pl. opp. p. 376 (Tetrabelodon).
Lull, R. S. 1917 B, 597, fig. 203.
Matthew, W. D. 1918 A, 201 (Megabelodon).
Osborn, H. F. 1918 C, 137 (Megabelodon); table (Trilophodon tulli).
1921 A, 7 (Trilophodon).
1925 A, 10 (Trilophodon).
Schuchert and Levene 1927 A, 352 (Trilophodon).
Pliocene (Snake Creek); Nebraska.

Gomphotherium morrilli (Barbour).

Barbour, E. H. 1914 B, 181, 186, pls. ix-xiii (Eubelodon).
Barbour, E. H. 1914 C, 217, 220, 222, fig. 3 (Eubelodon).
1915 A, 91 (Eubelodon).
1915 B, 134, fig. 5 (Eubelodon).
1916 B, 253, fig. 3 (Eubelodon).
1925 C, 91.
Barbour and Cook 1917 A, 172 (Eubelodon).
Cook, H. J. 1928 B, 37 (Trilophodon).
Frick, C. 1926 B, 168 (Eubelodon).
Kunz, G. F. 1916 A, 372, pl. opp. p. 324, fig. 7 (Eubelodon).
Osborn, H. F. 1918 A, 29 (Eubelodon).
1918 C, 137 (Eubelodon); table (Trilophodon).
1921 A, 10 (Eubelodon).
Peterson, O. A. 1928 A, 114 ("Eubelodon").
Pliocene (Devil's Gulch); Nebraska.

Gomphotherium obliquidens (Osborn).

Osborn, H. F. 1926 B, 9 (Serridentinus).
Pleistocene (Early); South Carolina.

Gomphotherium obscurum (Leidy).

Leidy, J. 1869 A, 244, 396, pl. xxvii, figs. 13, 15?, 16? (Mastodon).
Hay, O. P. 1902 A, 711 (Mammut).
1925 E, 383, 387 (Mastodon).
Cooper, J. G. 1875 A, 390 (Mastodon).
Cope, E. D. 1880 V, 61 (Mastodon).
Dall and Harris 1892 A, 73, 222 (Mastodon).
Frick, C. 1926 B, 142, 143 (Mastodon).
Harlan, R. 1842 B, 143 (Mastodon longirostris).
Hay, O. P. 1925 C, 24.
Lindgren, W. 1911 A, 51 (Mastodon).
Lucas, F. A. 1902 A, 555 (=Mastodon shepardi?).
1902 B, 246 (Mastodon).
Lull, R. S. 1908 A, 191 (Dibelodon).
Matthew, W. D. 1918 A, 201 (Mastodon).
Merrill, G. P. 1907 A, 45 (Mastodon).
Meyer, H. 1867 B, 69 ("Baltimore tooth").
Osborn, H. F. 1903 E, 249 (M.).
1921 A, 7 (Trilophodon).
1923 E, 2 (Serridentinus).
Schlesinger, G. 1921 A, 50, 159, 228 (Mastodon angustidens subtapiroidea).
Trouessart, E. L. 1905 A, 599 (Tetrabelodon).
Turner, H. W. 1895 A, 375 (Mastodon).
Miocene?; Maryland?.

Gomphotherium osborni (Barbour).

Barbour, E. H. 1916 C, 522, figs. 1-4 (Tetrabelodon).
1917 A, 499, figs. 1-12 (Tetrabelodon); 512 (Mastelephas, an alternative name).
1925 C, 91, 94 (Tetrabelodon).
Osborn, H. F. 1921 A, 7 (Trilophodon).
Peterson, O. A. 1928 A, 111, 112 ("Trilophodon").
Pliocene (Snake Creek); Nebraska.

Gomphotherium paladentatum Cook.

Cook, H. J. 1922 A, 6, pl. v.; pl. vi, fig. 4? (Trilophodon).
1928 B, 38 (Trilophodon).
Upper Miocene?; Colorado.

Gomphotherium petersoni Hay.

Hay, O. P. 1928 in Peterson, O. A. 1928 A, 121.
Peterson, O. A. 1928 A, 111, pls. xi-xv; text-figs. 21, 22 (Serridentinus fricki).
Miocene (Brown's Park); Colorado.

Gomphotherium phippsi Cook.

Cook, H. J. 1928 B, pls. i-iii (Trilophodon).
Miocene (Devil's Gulch); Nebraska.

Gomphotherium pojoaquense (Frick).

Frick, C. 1926 B, 125, 142, 156, 157, 161, figs. 1*a*, 1*b*, 7*b*, 13, 19*b*, 19*c*, 22*a*, 22*b*, 26, 27 [Trilophodon (Serridentinus)].
Cook, H. J. 1928 B, 40 (Trilophodon).
Peterson, O. A. 1928 A, 112 ("Trilophodon").
Stock, C. 1928 D, 44.
Miocene (Santa Fé); New Mexico.

Gomphotherium? præcursor (Cope).

Cope, E. D. 1893 A, 64, pls. xviii, xix (Dibelodon); 57, pl. xv (Tetrabelodon shepardii. This species?).
Hay, O. P. 1902 A, 711 (Mammut præcursor); 712 (M. shepardi, in part).
Andrews, C. W. 1908 D, 32 (Tetrabelodon?).
Dumble, E. T. 1894 A, 559 (Dibelodon).
Freudenberg, W. 1922 A, 17 (Mastodon).
Gidley, J. W. 1903 C, 627 (Dibelodon præcursor, Tetrabelodon shepardii).
Hay, O. P. 1917 B, 21.
1925 C, 24 (Mastodon, Gomphotherium, Dibelodon; Tetrabelodon dinotherioides).
Lull, R. S. 1908 A, 191 (Dibelodon).
Matthew, W. D. 1909 E, 114 [Trilophodon (=Gomphotherium) proavus]; 116 (Trilophodon); 120 (Dibelodon).
Merriam, J. C. 1917 A, 435 [Trilophodon (Gomphotherium) shepardii]; (Dibelodon præcursor).
Montgomery, T. H. 1904 A, 57 (Dibelodon).
Osborn, H. F. 1903 E, 249 (M.).
1918 C, table (Trilophodon).
1921 A, 8 (Trilophodon).
1926 B, 11, 12 (Serridentinus).
Sellards, E. H. 1913 A, 3, pl. iv, fig. 1; pl. v, fig. 1 ("mastodon").
Miocene (Arikaree); Texas: Pliocene (Blanco); Texas.

Gomphotherium precampestre (Osborn).

Osborn, H. F. 1923 E, 3 (Tetralophodon).
Late Tertiary?; Nebraska.

Gomphotherium? proavus (Cope).

Hay, O. P. 1902 A, 711 (Mammut).
Andrews, C. W. 1909 A, 349 (Tetrabelodon).
Boule and Thevenin 1920 A, 71 (Mastodon).
Dall and Harris 1892 A, 288 (Mastodon).
Dumble, E. T. 1920 A, 233 (Trilophodon).
Freudenberg, W. 1922 A, 11 (Mastodon).
Frick, C. 1926 B, 153, 168 (Trilophodon angustidens proavus).
Lucas, F. A. 1902 A, 555 (Mastodon).
Lull, R. S. 1908 A, 190 (Tetrabelodon).
Matthew, W. D. 1920 E, 233 (Trilophodon).
Osborn, H. F. 1910 B, 292 (Trilophodon).
Osborn, H. F. 1921 A, 6 (Rhynchotherium).
1922 F, 4 (Miomastodon?).
Pompeckj, J. F. 1905 A, 47 (Mastodon).
Schlesinger, G. 1921 A, 50, 63, 228 (Mastodon angustidens proavus).
Weber and Abel 1928 A, 469 (Rhynchotherium).
Zittel and Schlosser 1923 A, 631 (Mastodon).
Upper Miocene (Pawnee Creek); Colorado.

Gomphotherium productum (Cope).

Hay, O. P. 1902 A, 711 (Mammut).
Abel, O. 1913 B, 750 (Tetrabelodon).
1914 A, 202, fig. 160 (Tetrabelodon).
1922 C, 175, fig. 142 (Mastodon).
1925 A, 307, figs. 237 (Serridentinus).
Andrews, C. W. 1908 D, 32 (Tetrabelodon).
1922 B, 33 (Tetrabelodon).
Anonymous, 1921 A, 323 (Trilophodon).
Barbour, E. H. 1925 D, 111 (Serridentinus).
Boule and Thevenin 1920 A, 71 (Mastodon).
Freudenberg, W. 1922 A, 7 (Tetrabelodon).
Frick, C. 1926 B, 125, 126, 142, 158, figs. 1*c*, 5-7*a*, 10-15*c*, 19*a*, 22*c*-24. [Trilophodon (Serridentinus)].
Gidley, J. W. 1903 C, 634 ("Mastodon").
Gilbert, G. K. 1875 A, 543 ("Mastodon").
Hay, O. P. 1925 B, 12.
1925 C, 25 (Mastodon dinotherioides, M. obscurus, M. productus).
Ingalls, A. G. 1926 A, 290, fig. (Serridentinus).
Lee, Stone, Gale 1915 A, pl. vi (Trilophodon).
Lucas, F. A. 1902 A, 555 (Mastodon).
Lull, R. S. 1908 A, 190 (Tetrabelodon).
Matthew, W. D. 1909 C, 116 (Trilophodon=Gomphotherium).
1915 B, 17, 23, fig. 7 (Trilophodon).
1918 A, 199 (Mastodon).
Merrill, G. P. 1907 A, 45 (Mastodon).
Osborn, H. F. 1903 E, 249 (Mastodon).
1903 I, 978 (Trilophodon).
1905 H, 200 (Mastodon).
1910 B, 299, 300, fig. 149 (Trilophodon).
1918 A, 26 (Trilophodon).
1918 C, table.
1919 D, 266 (Trilophodon).
1921 A, 6, 7, figs. 3, 4 (Trilophodon).
1923 E, 2 (Serridentinus).
1924 F, 2, 3 (Serridentinus).
1925 A, 13, 23, fig. (Serridentinus).
1925 B, 26, fig. 3 (Serridentinus).
1926 B, 12 (Serridentinus).
Schlesinger, G. 1921 A, 50, 51, 63, 228 (Mastodon; syn. of M. angustidens).
Scott, W. B. 1913 A, 431, fig. 228.
Sternberg, C. H. 1907 C, 123 (Mastodon).
Stock, C. 1928 D, 43 (Trilophodon).
Weber and Abel 1928 A, 469 (Bunolophodon).
Zittel and Schlosser 1923 A, 631 (Mastodon).
Miocene (Arikaree); New Mexico, Texas, Montana.

Gomphotherium rectidens (Osborn).

Osborn, H. F. 1923 E, 3 (Rhynchotherium).
Middle Miocene (Pawnee Buttes); Colorado.

Gomphotherium republicanum (Osborn).

Osborn, H. F. 1926 B, 6, figs. 5, 6 (Serridentinus).

Lower Pliocene (Republican); Kansas.

Gomphotherium? rugosidens (Leidy).

Hay, O. P. 1902 A, 712 (Mammut).
Allen, G. M. 1926 A, 454.
Hay, O. P. 1923 A, 486.
Lucas, F. A. 1902 A, 555 (Mastodon).
Matson, G. C. 1915 A, 37, pls. ix, x ("mastodon").
Osborn, H. F. 1903 E, 249 (M.).

Pliocene (Bone Valley); Florida, South Carolina.

Gomphotherium serpentirivale, new name.

Osborn, H. F. 1921 B, 2, 4, fig. 1, a (Mastodon matthewi, in part).
1926 B, 13, fig. 11 (Rhynchotherium anguirivalis).

Pliocene (Snake Creek); Nebraska.

Gomphotherium serridens (Cope).

Hay, O. P. 1902 A, 712 (Mammut).
Boule and Thevenin 1920 A, 71 (Mastodon).
Freudenberg, W. 1921 A, 131, 132 (Mastodon).
1922 A, 4, 5, 33, pl. i, figs. 1, 2; text-fig. 1 (Mastodon, Tetrabelodon).
Frick, C. 1926 B, 142, 156, 157, 168 [Trilophodon (Serridentinus)].
Gidley, J. W. 1903 C, 634 (Tetrabelodon. This species?).
Hay, O. P. 1925 B, 14.
1925 C, 22, 23 (Gomphotherium, Mastodon).
1927 D, 298 (Mastodon).
Lucas, F. A. 1902 A, 555 (Mastodon).
Lull, R. S. 1908 A, 190 (Tetrabelodon).
Matson and Clapp 1909 A, 137 (Mastodon).
Matthew, W. D. 1918 A, 199 (Mastodon); 200 (Zygolophodon).
Montgomery, T. H. 1904 A, 57 (Tetrabelodon serridens cimarronis).
Osborn, H. F. 1903 E, 249 (M.).
1918 C, 135 (Rhynchotherium?); table (Trilophodon).
1921 A, 8, fig. 3 (Trilophodon).
1926 B, 11, 12 (Serridentinus).
Zittel and Schlosser 1923 A, 631 (Mastodon).

Lower Pliocene (Clarendon); Texas, Mexico.

Gomphotherium? shepardi (Leidy).

Hay, O. P. 1902 A, 712 (Mammut shepardi, in part).
Boule and Thevenin 1920 A, 73 (Mastodon).
Dumble, E. T. 1894 A, 559 (Tetrabelodon shepardii).
Felix and Lenk 1891 A, 132.
Frech and Geinitz 1903 A, 35 (Mastodon).
Freudenberg, W. 1922 A, 6, fig. 2 (Mastodon sp.); 7, 9 (Dibelodon); 11, 12 (Mastodon); 14, fig. 3 (Mastodon obscurus).
Frick, C. 1921 A, 409.
1926 B, 142, 143, 173 (Mastodon); 139, 175 (Rhynchotherium).
Hay, O. P. 1917 B, 21.
Hay, O. P. 1923 B, 110 (Mastodon, Dibelodon).
1925 C, 24, 25 (Mastodon, Tetrabelodon, Dibelodon).
1925 E, 383 (Mastodon).
1927 D, 301 (Anancus); 302, 308 (Mastodon); 15, 64 (Mastodon obscurus).
Kellogg, R. 1922 A, 61 (Mastodon).
Lindgren, W. 1911 A, 51 (Mastodon obscurus).
Lucas, F. A. 1902 A, 555 (Mastodon).
Lull, R. S. 1908 A, 191 (Mammut?).
Matthew, W. D. 1909 C, 120 (Trilophodon (=G.) shepardii. To Dibelodon?).
1918 A, 200 (Mastodon).
Osborn, H. F. 1903 E, 249 (M.).
1918 C, 135 (Rhynchotherium?); table (Dibelodon).
1919 C, 135 (Rhynchotherium?).
1921 A, 5, 6, fig. 2 (Rhynchotherium).
1923 E, 3 (Rhynchotherium).
Pohlig, H. 1892 B, 313 (Dibelodon rejected).
Rath, G. 1886 A, 105 (Dibelodon).
Rio, A. 1918 A, 367 (Dibelodon shepardy).
Schlesinger, G. 1921 A, 228 (Mastodon).
Trouessart, E. L. 1905 A, 599 (Tetrabelodon).
Whitney, J. D. 1879 B, 233 (Mastodon).
Yates, L. G. 1874 B, 20 (Mastodon obscurus, M. shepardi).
1903 A, 97, 99, pl. ix (Mastodon obscurus).
Zittel and Schlosser 1923 A, 631, 680 (Mastodon).

Late Pliocene or Early Pleistocene; California. The generic position of this species is doubtful.

Gomphotherium? simplicidens (Osborn).

Osborn, H. F. 1923 E, 3 (Trilophodon).

Middle Miocene (Pawnee Creek); Colorado.

Gomphotherium tlaxcalæ (Osborn).

The authors cited use the name *Rhynchotherium.*

Osborn, H. F. 1917 E, 135 (R. tlaxcalæ); table (tlascale).
Frick, C. 1926 B, 171 (R. tlascalæ).
Ingalls, A. G. 1926 A, 290, fig. (R. tlascalæ).
Osborn, H. F. 1918 C, 135.
1921 A, 6, fig. 2 (R. tlascalæ).
1925 B, 30, fig. 3 (R. tlascalæ).
Weber and Abel 1928 A, 469 (Rhynchotherium trascalæ).

Pleistocene?; Mexico: Pliocene; Texas.

Gomphotherium willistoni Barbour.

Barbour, E. H. 1914 B, 181, 184, pls. i, v, vi, viii, xiii (Tetrabelodon).
1914 C, 216, 220, 222, figs.
1915 A, 91 (Tetrabelodon).
1915 B, 134, fig. 5 (Tetrabelodon).
1916 B, 253, fig. 1 (Tetrabelodon).
1917 A, 512 (Tetrabelodon, "Genomastodon").
Barbour and Cook 1917 A, 172 (Tetrabelodon).
Cook, H. J. 1928 B, 37 (Trilophodon).
Frick, C. 1926 B, 141, 142, 168 [Trilophodon (Serridentinus)].
Kunz, G. F. 1916 A, 372, pl. opp. p. 324, fig. 5 (Tetrabelodon).

Osborn, H. F. 1918 A, 29 (Tetrabelodon).
1921 A, 7 (Trilophodon).
Pliocene (Devil's Gulch); Nebraska.

Gomphotherium sp. indet.

Buwalda, J. P. 1914 B, 307, fig. 1 (Tetrabelodon?). Miocene (Truckee beds); Nevada.
1914 C, 352 ("mastodon"). Miocene (Truckee); Nevada.
1924 A, 572 (Tetrabelodon. This genus?). Middle Neocene (Payette); Idaho.
Diller, J. S. 1896 A, 478 ("mastodon"). Pliocene, Oregon.
1902 A, 59 ("mastodon"). Pliocene, Oregon.
Frick, C. 1926 B, 166, 168. Miocene (Santa Fé); New Mexico, California, Nebraska.
Gidley, J. W. 1903 C, 634 ("Mastodon"). Upper Miocene, Texas.
Gilbert, G. K. 1875 A, 543 (Mastodon). Pliocene?; New Mexico.
Hay, O. P. 1923 A, 380. Pleistocene; Florida.
1927 D, 16, 136 (This genus?). Pleistocene; Arizona, California.
Lindren and Drake 1904 A, 3 (Mastodon). Pleistocene (Idaho); Idaho.
Matthew, W. D. 1923 A, 12 (Trilophodon?). Lower Pliocene (Upper Snake Creek); Nebraska.
Merriam, J. C. 1911 A, 189, fig. 29 (Tetrabelodon). Pliocene (Cedar Mountain); California.
1911 B, 205, 206, 209, 214, 215, 271, pl. xxxiii, figs. 46, 47 (Tetrabelodon?).
1913 E, 381 (Tetrabelodon?). Pliocene (Orindan); California.
1914 C, 646 (Tetrabelodon?).
Merriam, J. C. 1915 E, 194, 197, 203, figs. 19, 20, 38, 39 (Tetrabelodon. This genus?). Miocene (Merychippus); 226, figs. 38-39*b* ("mastodon"): Pleistocene? (Etchigoin); California.
1916 D, 134, fig. 3 (Tetrabelodon?). Late Tertiary; Oregon.
1917 A, 426 (Tetrabelodon?). Orinda, California; 428 (Tetrabelodon?). Rattlesnake, Oregon; 429 (Mastodon, Tetrabelodon?). Pliocene (Thousand Creek); Nevada; 431 (Tetrabelodon?). Pliocene (Ricardo); California; 437. Pliocene (Snake Creek); Kansas.
1919 A, 450, 525, 527, 548, figs. 160-162 (Tetrabelodon?). Miocene (Barstow) and Pliocene (Ricardo); California.
Osborn, H. F. 1919 D, 266, fig. 1 (Megabelodon). Pliocene; Texas.
Pan, I. 1925 A, 345, figs. 1-5 (This genus?). Pliocene?; "Lusiana."
Sellards, E. H. 1913 A, pl. iv, figs. 1, 2; pl. v, fig. 1 ("mastodons").
1915 D, 106, fig. 35 (Miocene or Pliocene); Florida.
Sinclair, W. J. 1915 A, 77, 83, fig. 8. Pliocene (Snake Creek); Nebraska.
Stock, C. 1924 B, 54 (Tetrabelodon). Upper Miocene (Mint Canyon); California.
1925 A, 18 (Tetrabelodon?). Lower Pliocene (Rattlesnake); Oregon.
1928 D, 43, pl. i, figs. *b-d* (Trilophodon); pl. ii, figs. *a, d;* pl. iii, fig. *b*; pl. iv, figs. *a-c* (Trilophodon?).
Young and Cooper 1927 A, 1 (Trilophodon. This genus?). Pliocene.

ELEPHANTINÆ Gill.

Gill, T. 1872 B, 13, 90.
Dietrich, W. O. 1919 A, 55 ("elephantiden").
Eaton, J. E. 1928 A, 133 ("mammoths").
Freudenberg, W. 1922 A, 38 (Elephantidæ).
Gawrilenko, A. 1924 A, 233 ("elephanten").
Hay, O. P. 1924 D, 376 ("elephants").
1927 E, 77 ("elephants").
Lull, R. S. 1921 B, 160 (Mammotinæ).
Osborn, H. F. 1906 C, 776.
1909 D, 86, 87.
1910 B, 558.
1918 C, 135.
1921 A, 1 (Loxodontinæ, Mammontinæ, Elephantinæ).
Osborn, H. F. 1921 E, 234 (Euelephantinæ, Mammontinæ, Elephantinæ).
1922 B, 1 (Mammontinæ).
1924 G, 1, 2 (Elephantinæ, Mammontinæ, Loxodontinæ).
1925 A, 3 ("elephants").
Scott, W. B. 1928 A, 330 ("elephants").
Stefanescu, S. 1918 A, 739 ("elephants").
1919 F, 148 ("elephants").
1921 A, 929 ("elephants").
1921 B, 1054 ("elephants").
1921 C, 1516 ("elephants").
1921 D, 1669 ("elephants").
Weber and Abel 1928 A, 471.

ELEPHAS Linnæus. Type *E. maximus* Linnæus.

Hay, O. P. 1902 A, 712.
Abel, O. 1909 D, (226).
1910 B, (186) ("mammuth").
1912 F, 242 ("elephant").
1913 B, 750.
1914 C, 305, fig. 1.
1919 A, 828.
1920 A, 439, fig. 667.
1921 A, 259 ("elefanten").
1925 A, 268.
Adams, C. C. 1905 A, 54 ("mammoth").
Adloff, P. 1910 B, 232 ("elefant").
1920 B, 534.
Aichel, O. 1918 A, 502.
Aichel, O. 1918 B, 1-109, pls. i-v; text-figs. 5-20.
1926 A, 43.
Airaghi, C. 1917 A, 195.
Altmann, F. 1925 A, 108.
Ameghino, F. 1889 A, 1011.
1902 A, 41.
1902 B, 9.
1902 D, 427.
Anderson, R. J. 1902 A, 1121, fig. 16.
1905 A, 333, fig. 28.
1909 A, 745.
1912 A, 918.
1912 B, 428 ("elephant").
1914 A, 534 ("elephant").

Andrews, C. W. 1903 E, 226.
1904 A, 111.
1907 C, 302.
1908 A, 399.
1908 D, figs. 4, 6, 23-31.
1922 B, 35.
1924 A, 307.
Anthony, R. 1912 A ("éléphant").
Arldt, T. 1907 D, 652.
1911 A, 215 ("elefanten").
Baird, S. F. 1876 A, ccviii ("elephants").
Baker, F. C. 1920 A, 458.
Barbour, C. A. 1898 A, 264, fig. 1 ("mammoth").
Beddard, F. E. 1902 A, 218.
Beyer, H. 1908 A ("elefant").
1909 A, 29 ("elefant").
Blanford, W. T. 1876 A, 286.
Boas, J. E. V. 1908 A, 197 ("elefant").
Böker, H. 1927 A, 38.
Bolk, L. 1913 A, 120.
1922 A, 124.
Botti, U. 1901 A, 438.
Boule, M. 1902 B, 913.
Bronn, H. G. 1838 A, 1239, 1307.
1849 A, 703.
Cabrera, A. 1927 A, 441, figs. 1, 2 ("elefante").
Camper, P. 1780 A, 220 ("elephas").
Carnot, A. 1892 A, 1190 ("elephant").
Carus, V. 1875 A, 140.
Carus and Engelmann 1861 A, 1732.
Clark and Sonntag 1926 A, 454, 466.
Cleland, J. 1863 B, 300 ("elephant").
Codrington, T. 1908 A ("elephant").
Cook, H. J. 1927 C, 241 ("Elephas").
Cooper, C. F. 1923 B, 263, figs. 1, 2 ("elephant").
1924 A, 108.
Cope, E. D. 1891 N, 62, 63, 84, figs. 32*b*, 56.
Cummins, W. F. 1893 A, 184 ("elephant").
Cuvier, F. 1825 A, 221, pl. xci ("éléphant").
Cuvier, G. 1803 A, 166 ("éléphant").
1805 A.
1806 D ("éléphant").
Dall and Harris 1892 A, 284.
Dana, J. D. 1863 C, 336 ("elephant").
Deninger, K. 1913 A, 295 ("elefant").
Depéret, C. 1907 B.
1923 A, 520 ("éléphants").
Depéret and Mayet 1923 A.
Desor, E. 1855 A, 218 ("elephants").
Diener, C. 1912 A, 216 ("elefanten").
Dietrich, W. O. 1913 A, 49.
1916 A.
1919 A, 47, figs. 3, 5.
1921 A, 595.
Dollo, L. 1889 I, 682.
Doran, A. H. G. 1878 A, 430, pl. lx.
Eales, N. B. 1926 A, 491, pls. i-xii.
1926 B, 361 ("elefant").
Eichwald, E. 1835 A, 695.
Eimer, G. H. T. 1901 A, 257 ("elefant").
Ewart, J. C. 1904 B, 143 ("elephant").
Fairchild, H. L. 1887 A, 20.
Falconer, H. 1857 C, 81.
1863 A, 56 (Euelephas).
Fischer, E. 1903 A, 695, 718.
Fischer, J. B. 1829 A, 404.
Foote, J. S. 1916 A, 109, 130, pls. xii, xiii.
Foster, J. W. 1857 A, 361.
Fraas, E. 1900 A, 38.
Frech, F. 1907 A, 306 ("elephante").
Freudenberg, W. 1926 A, 68.
Gaudry, A. 1906 A, 8 ("éléphants").
Gawrilenko, A. 1924 A, 223, fig. 3.
Geikie, J. 1914 A, 321.
Geinitz, E. 1903 A.
1904 A.
Gervais, P. 1852 A, 35.
1859 A, 61.
Giebel, C. G. 1855 A, 78, pl. xxxiv.
1883 A, pls. xxxv, xl, xli.
Goethe and Alton 1824 A, 325, pls. xxxiii-xxxv.
Gottlieb, H. 1914 A, 190.
Grant, E. 1842 A, 771.
Gregory, W. K. 1903 A, 387.
1912 F, 275, fig. 1 ("elephant").
1920 A, 183, 244, fig. 146.
Haworth, E. 1897 A, 280 ("elephants").
Hay, O. P. 1910 D, 372 ("elephant").
1912 D, 716.
1914 A, 392.
1919 A, 311 ("elephants").
1923 A, 484.
1925 D, 245.
1928 B, 238 ("elephants").
Hay, R. 1896 A, 34.
Heilprin, A. 1887 A, 417 ("elephant").
Herz, O. 1902 A, 137, pls. i-vii.
Hoernes, R. 1886 A, 686.
1912 A, 663.
Holmes, F. S. 1870 A, 17, 31 ("elephant").
Hoyer and Babik 1924 A, 455.
Hue, E. 1907 A, pls. l, lxxxv, xcix, cxiii, cxxxvii, cxxxviii, cl, clxv, clxxviii.
Huxley, T. H. 1863 E, 555.
1863 F, 608, fig. 56.
1870 F, 542.
1881 A, 453 ("elephants").
Kampfen, P. N. 1905 A, 619, fig. 80.
Kingsley, J. S. 1925 A, 193, 217, 300, figs. 229, 323 ("elephant").
Knight, W. C. 1903 A, 828.
Knottnerus-Meyer, T. 1907 A, 101.
Kollmann, J. 1884 A, 184 ("elephanten").
Köstlin, O. 1844 A.
Kunz, G. F. 1916 A, 516.
Laloy, L. 1907 A, 585 ("elephant").
Larger, R. 1913 A, 708 ("elephants").
Lartet, E. 1859 A, 469, 498.
Lataste, F. 1887 A, 270 ("éléphant").
Leche, W. 1887 A, pl. xcvi.
1900 A, 1031.
Le Damany, P. 1903 B, 275 ("éléphant").
1903 G, 141, fig. 6 ("éléphant").
1906 A, 54, figs. 11, 12 ("éléphant").
1906 B, 164 ("éléphant").
Leunis and Ludwig 1883 A, 233.
Leuthardt, F. 1891 A, 95.
Lindgren, W. 1911 A, 52.
Lönnberg, E. 1907 B, 56, figs. 1-3 ("elefant").
Lull, R. S. 1908 A, 195.
1909 A, 641 ("elephant").
1917 B, 301, 583, 592, fig. 191.
Lydekker, R. 1903 E, 169, fig. 1 ("elephants").
1907 B, 68.
1907 E, 676.

Macloskie, G. 1884 A, 215, fig. 115.
Maddren, A. G. 1905 A.
Martins, C. 1857 A, 68, 91 ("éléphant").
Matsumoto, H. 1923 A, 121.
1926 F, 43 (Elephas, Parelephas); 45 (Archidiskodon).
Matthew, W. D. 1915 A, 187, 255.
1915 B, 6, 24.
1915 K, 403.
1916 G, 485, fig. ("Elephas").
1923 F, 520.
1924 E, 748.
Mayer, C. 1847 A, 1-88.
Mayet and Roman 1923 A.
Meckel, J. F. 1825 A.
Merriam, J. C. 1906 D, 249.
1917 A.
Meunier, S. 1903 A, 776 ("éléphants").
Meyer, H. 1867 C, 785.
Miller and Dieck 1900 A, 385, figs. 1-4.
Mitchell, W. 1904 A, 284, figs. 1-34.
Neuville, H. 1919 A, 193 ("elephant").
Newton, E. T. 1891 A, 45.
Osborn, H. F. 1905 D, 315 ("elephants").
1907 G, 188.
1907 K, 815 ("elephants").
1909 D, 82, 83, 87.
1909 E, 140 ("elephant").
1910 A, 213.
1910 B, 613.
1912 G, 250.
1916 B, 538.
1917 B, 269, 270, fig.
1924 G, 1, 4, 5 (Elephas, Mammonteus; Parelephas, type E. jeffersonii=E. boreus).
1925 A, 6 (Elephas, Parelephas); 19 (Mammut).
1925 B, 28, 32 (Elephas, Mammonteus, Archidiskodon, Parelephas).
1925 D, 532 (Archidiskodon).
1926 A, 188 ("elephant").
1928 A, 672 (Elephas, Archidiskodon).
Owen, R. 1845 E, 125 ("elephant").
1868 A, 878, 879, figs. 289-292.
Palmer, T. S. 1904 A, 255, 943.
Pander and Alton 1821 B, 3, pls. i, ii ("elephant").
Paulli, S. 1900 A, 235, fig. 44.
Pavlow, M. 1909 A, 171.
1910 A.
Petronievics, B. 1921 A, 102.
Pilgrim, G. E. 1913 A, 295.
Pohle, H. 1921 A, 116.
Pohlig, H. 1892 B, 233 (List of nominal species).
Pompeckj, J. F. 1905 A, 48.
Pontier, G. 1911 A, 463.
Retterer, E. 1919 D, 740 ("éléphants").
Retzius, A. 1837 A, 488.
1849 A, 654.
Reynolds, S. H. 1897 A, 434, 474, figs. 96, 97.
Röse, C. 1892 F, 403 ("elephanten").
Rogers, A. F. 1924 A, 544 ("elephant").
Rogers, H. D. 1844 A, 258 ("elephant").
Ruge, G. 1906 A, 496, figs. 1-3.
Rutland, J. 1901 A, 21032 ("mammoths").
Schlesinger, G. 1912 A.
Schlesinger, G. 1916 A, 215.
Schlosser, M. 1911 A, 136.
Schmidt, E. 1872 A, 233, 237 ("elephanten").
Schmidtgen, O. 1926 A, 62, figs. 1-3.
Scott, W. B. 1913 A, 437, 680.
1916 A, 118, 120 ("elephants").
Seeley, H. G. 1872 A, 278 ("elephant").
Shimek, B. 1908 A, 923.
Shumard, B. F. 1863 A, 141.
Smith, G. E. 1915 A, 340, fig. 1; 425, 501 ("elephant").
1916 A, 593, fig. 2 ("elephant").
1916 B, xx ("elephant").
Smith and Packard 1919 A, 102, 104 ("mammoth").
Soergel, W. 1913 A, 1.
1914 A, 20.
1915 A, 179.
1915 B, 1-65.
1921 A.
Spencer, J. W. 1898 A, 27 ("elephant").
Spinden, H. J. 1916 A, 592 ("elephant"), fig. 1.
Stefanescu, S. 1913 A, 611 ("éléphant").
1913 B, 735.
1913 C, 883.
1914 A, 1043 ("éléphants").
1915 A, 100 ("éléphants").
1918 A, 739.
1919 A, 97.
1919 B, 464.
1919 C, 906.
1919 D, 1208.
1919 E, 1329.
1920 A, 811.
1921 B, 1056.
1921 D, 1669.
Steinman, G. 1907 A, 484.
Strecker, C. 1887 A, 310 ("elephant").
Taschenberg, O. 1899 A, 4542.
Thomson, A, 1902 A, 104 ("elephant").
Tims, H. W. M. 1903 A, 144, fig. 4b.
1905 B, 1787, fig. 6.
Tozzer, A. M. 1916 A, 592 ("elephant").
Trouessart, E. L. 1892 A, 189.
1905 A, 602.
Troxell, E. L. 1915 B, 479.
Upham, W. 1902 A, 149 ("mammoth").
Virchow, H. 1910 B, 77 ("elefant").
1910 C, 131 ("elefant").
1910 D, 251 ("elefant").
Wallace, A. R. 1876 A, I, 138; II, 227.
Weber, M. 1904 A, 723, 724 (Elephas); 723 (Euelephas); 723, 725 (Loxodon); 717, figs. 509, 513 (E. indicus).
Weber and Abel 1928 A, xviii, 446, 458, 471, figs. 277-286.
Weber and Burlet 1927 A, figs. 35, 115.
Wiele, C. van de 1903 A, 593 ("mammouth").
Wilder, B. 1872 B, 315, 320.
Williston, S. W. 1902 J, 196.
Woodward, A. S. 1903 A, 257 ("mammoth").
1923 C, 55.
Woodward, H. 1904 B, 158.
Wright, G. F. 1908 A, 34 ("elephants").
Wüst, E. 1901 A, 246.
Ziegler, H. E. 1924 A, lx ("elephanten").
Zietzschmann, O. 1917 A, 442, pl. xxv.

Zittel and Schlosser 1911 A, 539.
1923 A, 625, 632, figs. 768.

Elephas boreus Hay.

Unless otherwise indicated the authors, as cited, call this species *Elephas primigenius*. Some of the identifications may be erroneous.

Hay, O. P. 1922 D, 5, pl. ii, figs. 2, 3; text-figs. 5, 6 (E. boreus).
Abel, O. 1908 D, (212) (E. columbi).
1912 F, 574, fig. 445 (E. columbi).
1914 A, 198, 204, figs. 156, 157, 166, 171 (E. columbi).
1919 A, 797, fig. 601 (E. columbi).
1922 C, 22, fig. 22 (E. columbi).
1925 A, 282, 290, figs. 209-211, 218 (E. primigenius); 288, fig. 216 (E. columbi).
Anderson, N. C. 1905 A ("mammoth").
Andrews, C. W. 1922 B, 34; 43 (E. jeffersoni).
Anonymous 1907 A, 5 (E. columbi).
Arsene and Marty 1923 A, 5 (E. primigenius. This species?).
Baker, F. C. 1920 A, 458 (in part).
Barbour, E. H. 1903 A, 172, fig. 107 ("mammoth").
1914 B, 181.
1914 C, 222.
1915 B, 129.
1924 A, 11 (E. jeffersoni columbi).
1925 A, 21 (E. jeffersoni columbi; E. primigenius).
1925 D, 111 (Parelephas jeffersoni).
Calvin, S. 1897 A, 21 (E. primigenius, E. americanus).
1909 B, 351, pl. xxiii, fig. 2.
1911 A, 211, pl. xx.
Carman, J. E. 1917 A, 410.
Cook, H. J. 1928 C, 44, figs. (E. jeffersoni?).
Cope, E. D. 1895 G, 599.
Crook, A. R. 1926 A, 13 (E. primigenius boreus).
1927 A, 24, fig. (E. primigenius).
1927 B, 288-299, figs. (E. primigenius boreus).
DeKay, J. E. 1842 C, 101, pl. xxxii, fig. 2 (E. americanus).
Dietrich, W. O. 1912 A, 74 (E. columbi).
1916 A, 50, 76, 77 (E. columbi).
Diller, J. S. 1906 A, 6, 11 ("elephants." This species?).
Dumble, E. T. 1894 A, 564. (This species?).
Felix and Lenk 1891 A, 126, 127, 131. (This species?).
Fenneman, N. M. 1916 A, 158.
Fischer, J. B. 1829 A.
Freudenberg, W. 1922 A, 39.
Frick, C. 1926 B, 165 (E. columbi).
Gass and Pratt 1883 A, 177.
Gervais, P. 1859 A, 365.
Gidley, J. W. 1926 C, 484 (E. primigenius?).
1927 A, 48.
Gregory, W. K. 1907 A, 5 (E. columbi).
Hartnagel and Bishop 1921 A, 70, 71 (E. columbi, E. jeffersonii); 79, pl. xvii (E. boreus=E. jeffersonii).
Haug, E. 1911 A, 1873, 1887 (E. primigenius).
Hay, O. P. 1887 A, 53, 54 ("elephant").
1909 G, 893 (E. primigenius, E. columbi).
Hay, O. P. 1912 D, 718, figs. 63, 64.
1914 A, 26, 34, 74, 395, 404, 406, pl. liv, fig. 6; pl. lv, fig. 2; pl. lvi, fig. 2; pl. lviii, figs. 2, 3; text-figs. 122, 133.
1918 B, 10.
1918 C, 346.
1920 A, 361 ("elephants").
1920 B, 92, 136, pl. iii, fig. 16; pl. ix, figs. 1-7; pl. x, figs. 3-7; pl. xi, figs. 1-6.
1922 A, 446.
1922 D, 5, pl. ii, figs. 2, 3; text-figs. 5, 6 (E. boreus).
1922 F, 98.
1923 A, 484.
1924 D, 376 (E. boreus, E. primigenius).
1925 A, 5 (E. boreus).
1926 B, 159 (E. boreus).
1926 E, 388, 390 (E. boreus).
1927 D, 302, 305.
1928 B, 237 (E. boreus).
1928 C, 425, 427 (E. boreus).
Hollister, N. 1922 A, 271 (E. borealis).
Ingalls, A. G. 1926 A, 290 (Parelephas jeffersonii).
Kermode, F. 1916 A, 21.
Lacépède and Cuvier 1808 A, 332 ("mammouth").
Lane, A. C. 1906 A, 553 ("mammoth").
Le Conte, J. 1882 B, 2.
Louderback, G. D. 1907 A, 209, figs. ("mammoth").
Lucas, F. A. 1902 A, 554 ("mammoth").
1906 B, 157, 158.
1908 B, 443.
Lull, R. S. 1908 A, 197 (in part).
1917 B, 601 (in part).
Maddren, A. G. 1905 B, 746 (E. jacksoni. This species?).
Martin, H. T. 1924 A, 274 (E. primigenius. This species?).
Mather, W. W. 1838 A, 362, fig. B. (E. primogeneus).
Matsumoto, H. 1926 F, 43 (E. jeffersoni).
Matthew, W. D. 1907 C, 5 (E. columbi).
1915 B, 6, 10, fig. 3?.
1918 A, 201.
1921 G, 661 (E. jacksoni).
1925 A, 97 (E. jeffersonii. This species?).
Merriam and Stock 1925 A, 10 (E. primigenius. This species?).
Newcombe, C. F. 1915 A, 32, 33.
Osborn, H. F. 1905 H, 226 (in part).
1905 I, 111, pl. xii, fig. 1 ?(in part).
1907 K, 834, fig. (E. columbi).
1909 D, 125 (in part).
1910 A, 204.
1910 B, 455, fig. 196 (E. columbi).
1912 G, 251.
1915 C, 263 (E. columbi).
1918 C, 135 (Euelephas primigenius).
1921 A, 14, 15 (in part).
1922 B, 11, figs. 10, 11 (E. jeffersonii).
1923 A, 21 (E. jeffersonii).
1924 G, 2, fig. 1 [E. (Parelephas) jeffersonii].
1925 A, 19, 22, 23, frontispiece (Parelephas jeffersonii).
1925 B, 29, 32, fig. 3 (Parelephas jeffersonii).

Osborn, H. F. 1925 D, 539 (Parelephas jeffersonii).
Pratt, W. H. 1876 A, 98.
Scharff, R. F. 1911 A, 78 (in part).
Schlesinger, G. 1912 A, 174 (E. columbi).
Sellards, E. H. 1919 A, 74 ("elephant").
Shimek, B. 1910 A, 138, 139.
1910 B, 316.
Smith, B. 1914 B, 68.
Stauffer, C. 1926 A, 1 (E. boreus).
Sternberg, C. H. 1898 B, 169.
Stock, C. 1925 A, 113 (E. primigenius. This species?).
Warren, J. C. 1853 A, 377.
Woodward, A. S. 1910 C, 12 (E. columbi).
Zittel and Schlosser 1923 A, 632 (E. jeffersoni).
Pleistocene; Ohio, Indiana, Illinois, Michigan, Arizona, Nevada, New Mexico, Idaho, Oregon, South Dakota.

Elephas boreus progressus (Osborn).

Osborn, H. F. 1924 G, 7 (Parelephas jeffersonii progressus).
1925 B, 32 (Parelephas jeffersonii progressus).
Pleistocene (Upper?); Ohio.

Elephas columbi Falconer.

Hay, O. P. 1902 A, 713.
Abbott, C. C. 1881 A, 485 (E. americanus. This species?).
Abel, O. 1914 A, 204, fig. 172.
1922 C, 23, fig. 23.
1926 B, 81.
Airaghi, C. 1917 A, 197-199.
Allen, G. M. 1926 A, 454.
Ameghino, F. 1897 B, 264.
Andrews, C. W. 1908 D, 33.
1922 B, 34.
Anonymous 1907 A, 5.
1910 A, 198 (This species?).
Antevs, E. 1925 A, 75 (This species?).
Arsène and Marty 1923 A, 5, 6, 14.
Aughey, S. 1876 A, 254 (E. americanus. This species?).
Baker, F. C. 1920 A, 458.
Balch, E. S. 1917 A, 481.
Barbour, E. H. 1913 A, 58, pls. i-ii; text-fig. 1.
1914 A, 181.
1914 C, 222.
1915 B, 129.
1925 D, 95, 96, 107, figs. 58, 61.
1927 A, 133.
Beddard, F. E. 1902 A, 226 (E. columbianus).
Billings, E. 1863 A, 135, figs. 1-5 (Euelephas jacksoni. Species doubtful).
1863 B, 475 (Euelephas jacksoni. Species doubtful).
Blake, C. C. 1862 A, 58.
1862 B, 56, figure.
Blake, W. P. 1866 A, 290 (This species?).
Boule, M. 1923 A, 410.
Bringier, L. 1821 A, 22 ("mammoth." This species?).
Brown, B. 1912 C, 167.
Bryan, K. 1927 A, 35, pl. iv.
Buckley, S. B. 1874 A, 64 ("mammoth." This species).
Cahn, A. R. 1922 A, 23.
Calvin, S. 1909 A, 137.
1909 B, 351, 355, pl. xxv, fig. 3.
1910 A, xii ("elephant").
1911 A, 211, 212 (E. indianapolis, E. mississippiensis).
Carman, J. E. 1917 A, 409.
Chamberlin, R. T. 1916 A, 35 ("columbian elephant").
Clayton, J. E. 1864 A, 171 ("elephant." This species?).
Coleman, A. P. 1904 A, 351-353, 364, 366, 367 ("mammoth").
1905 A, 482 ("mammoth").
Condon, T. 1871 A, 470 ("mammoth").
1902 A, 154, pl. xxx ("mammoth").
1910 A, 132, pl. xxx ("mammoth").
Conrad, T. A. 1838 A, x ("elephant." This species?).
Cook, H. J. 1912 D, 45 (This species?).
1914 A, 47, pl. i.
1925 A, 460.
1927 A, 117 ("mammoth").
1927 C, 247.
Cooper, J. G. 1875 A, 390 (E. americanus).
Cope, E. D. 1869 E, 178.
1877 K, 25, pl. lxx, fig. 4 (E. primigenius columbi).
1894 A, 68 (E. primigenius).
Couper, J. H. 1843 A, 33 ("mammoth").
Dall, W. H. 1896 A, 854.
Dall and Harris 1892 A, 264, 266.
Darton, N. H. 1915 A, 20 ("mammoth").
Dawson, J. W. 1863 F, 914 (Euelephas jacksoni. This species?).
1872 B, 403 (Euelephas jacksonii).
1872 C, 99 (Euelephas jacksonii).
1894 D, 3 (E. jacksoni. This species?); 4 (E. columbi?).
Deeley, R. M. 1913 A, 14, tab. ("elephant").
De Gregorio, A. 1916 A, 104.
Deussen, A. 1924 A, 108.
Diener, C. 1912 A, 205.
Digby, B. 1926 A, 30.
Dopp, K. E. 1904 A, 22 ("mammuth." This species?).
Drayton, J. 1802 A, 39, pl., fig. 5 ("elephants"?).
Edwards, A. M. 1866 A, 1, pl. i, figs. 1-5; pl. ii.
Emmons, E. 1852 A, 96 ("elephant").
1860 A, 242, fig. 207 ("elephant").
Fairchild, H. L. 1916 A, 247 ("mammoth").
Falconer, H. 1857 C, 84 (Euelephas).
1863 A, 43, 49, pl. i; pl. ii, fig. 1.
Felix and Lenk 1891 A, 126.
Figgins, J. D. 1928 A, 82 ("columbi").
Finlay, G. I. 1916 A, 11.
Foster, J. W. 1873 A, 57 ("elephant").
Frech and Geinitz 1903 A, 34, 36.
Freeman, O. W. 1926 A, 477 (E. primigenius).
Freudenberg, W. 1921 A, 17, 138.
1922 A, 4, 11, 38, 43, 69, pl. viii, fig. 1; text-fig. 25 (E. columbi); 43 (E. primigenius).
Furlong, E. L. 1904 A, 54 (Elephas, sp.?).
1906 A, 243 (Elephas, sp.?).
1925 A, 139 (This species?).

Gawrilenko, A. 1924 A, 226, 234, 239.
Gervais and Ameghino 1880 A, 111 (E. colombi).
Gidley, J. W. 1912 C, 19.
1913, in Matson and Sanford 1913 A, 142.
1915 D, 19 (E. primigenius?); 20 (E. columbi).
1925 A, x ("mammoth").
1926 B, 310 ("mammoth").
1926 D, 240 ("mammoth").
1927 A, 48.
1927 E, 274.
Gidley and Loomis 1926 A, 262 ("mammoth").
Gilbert, J. Z. 1910 B, 46, lower right fig., 48.
Gilmore, C. W. 1908 A, 30.
Gregory, H. E. 1917 A, 82 ("Elephas." This species?).
Gregory, W. K. 1907 A, 5.
Hager, A. D. 1861 A, 934, fig. 339 ("elephant").
Harlan, R. 1842 B, 143 ("elephant").
Hartnagel and Bishop 1921 A, 72, pls. xiv, xv.
Haug, E. 1911 A, 1886, 1887.
Hay, O. P. 1909 G, 893.
1910 D, 374.
1912 B, 7, fig. 3.
1912 D, 734, pls. xxii-xxvi; text-fig. 70.
1914 A, 26, 410, pls. lxi-lxv.
1917 E, 45.
1918 B, 10.
1919 B, 378.
1919 C, 106.
1919 D, 366, 372.
1920 A, 361 ("elephants").
1920 B, 104, 128.
1921 A, 604.
1921 B, 403.
1922 D, 5, text-figs. 9, 10.
1922 F, 97.
1923 A, 484.
1923 B, 116.
1924 D, 376.
1925 C, 32, pl. iv, fig. 5.
1925 D, 242.
1926 B, 154.
1926 C, 2.
1926 E, 390.
1927 C, 280 ("mammoth").
1927 D, 301, 302, 305.
1928 B, 237.
1928 C, 425, 428.
Hay, R. 1890 A, 42 ("Elephas").
Hayden, F. V. 1871 A, 99 (E. americanus. This species?).
Henry, J. 1869 A ("elephant." Mastodon?).
Hitchcock, E. 1861 B, 176 (Elephas primogenius).
Hodge, E. T. 1925 A, x ("mammoth").
Holland, W. J. 1899 A, 233 ("mammoth").
1909 A, 455.
Holmes, F. S. 1860 A, vii ("elephas").
Holmes, W. H. 1903 A, 244, pl. ix (E. primigenius).
1925 A, 257.
Holzinger, J. M. 1885 A, 147 (E. primigenius).
Howorth, H. H. 1893 B, 94.
1905 A, II, 94 ("elephant").
Hrdlička, A. 1918 A, 26.
Jaques, H. E. 1922 A, 66-68, figs. 5*b*-5*c*.
Kermode, F. 1916 A, 21.
Kunz, G. F. 1916 A, pl. opp. p. 324, fig. 10.
Lartet, E. 1859 A, 505.
Le Conte, J. 1882 B, 2 (E. americanus).
Lee, W. T. 1907 B, 215.
Lee, Stone, Gale 1915 A, 10.
Leidy, J. 1869 A, 252, 397.
1873 G, 416.
1889 D, 17, pl. iii, figs. 6-9 (E. americanus, or E. columbi).
Lindgren, W. 1901 A, 583, 769.
1911 A, 51 (E. americanus, E. columbi).
Loomis, F. B. 1924 C, 503, 506.
1925 D, 436 ("mammoth").
Louderback, J. D. 1907 A, 205 ("mammoth." This species?).
Lucas, F. A. 1901 A, 307.
1901 I, 354, 356.
1901 J, 181.
1902 A, 554.
1902 B, 247, 267.
1906 B, 158, 159, 165, pls. xxxviii, xxxix, xl.
1908 B, 443.
Lull, R. S. 1908 A, 196, fig. 27.
1909 A, 651, 673, 674, figs. 7, 22.
1914 E, 63, 68, pl. i, fig. 1; pl. ii, fig. 9.
1917 B, 601.
1921 B, 175.
Lydekker, R. 1910 F, 663.
M'Clure, F. 1904 A, 60, fig. (E. primigenius).
McCornack, E. C. 1914 A, 10, 13 ("mammoth").
1920 A, 15, 16 (Elephas); 17 ("mammoth").
MacCurdy, G. G. 1916 A, 61.
1917 A, 261.
McGee, W J 1889 A, 303 ("elephant").
1891 B, 400 ("american elephant," species doubtful).
Mackie, S. J. 1863 G, 475 (Euelephas jacksoni).
Maddren, A. G. 1905 A, 7.
1905 B, 746.
Manigault, G. E. 1887 A, 130 ("elephant").
Mantell, G. A. 1839 A, 150, fig. 26 ("elephant").
Mather, W. W. 1838 A, 362, fig. A (E. jacksoni. Species not determinable).
Matson and Clapp 1909 A, 136, 137.
Matthew, W. D. 1902 F, 318 (E. primigenius columbi).
1915 B, 9, 10, figs. 3, 4.
1915 K, 410 ("columbian mammoth").
1918 A, 201, 227.
Mercer, H. C. 1895 B, 393 ("elephant").
Merriam, J. C. 1901 A, 313 (E. primigenius).
1918 D, 520 (This species?).
Meyer, H. 1872 B, pl. vii, figs. 7, 8.
Miller, B. L. 1912 A, 5 (This species?).
Miller, L. H. 1912 A, 73, 78, 81 (Elephas sp.).
Miller and Stephenson 1912 A, 46, 50, 55 ("elephant").
Mitchell, E. 1828 A, 347 ("elephant." This species?).
Mitchill, S. L. 1826 A, 10 ("elephant").
Newberry, J. S. 1873 F, 87 ("elephant").
Osborn, H. F. 1903 E, 249.
1905 D, 316 ("columbian elephant").
1905 E, 931.
1905 H, 226.
1905 I, 110, 111, pl. xii, fig. 2.
1907 B, 255, fig. 1.

Osborn, H. F. 1909 D, 125.
1910 B, 613, figs. 189, 190.
1918 C, 135 (Euelephas).
1921 A, 14.
1921 E, 233.
1922 B, 2, 11, figs. 1-3 (E. columbi); 13, figs. 11-12 (E. jeffersonii).
1924 H, 3, fig. D (Parelephas jeffersonii).
1928 A, 673 (Archidiskodon).
Pavlow, M. 1909 A, 174.
1910 A, 28.
Perkins, H. C. 1842 B, 57 ("elephant." This species?).
Perkins, G. H. 1910 B, 8 ("elephant").
Pohlig, H. 1889 A, 247, fig. 107.
Reagan, A. B. 1903 A, 88 (E. primigenius columbia); 89 (E. primigenius).
Rhoads, S. N. 1903 A, 236.
Richardson, G. B. 1907 A, 32.
1909 A, 44.
1915 A, 9.
Riggs, E. S. 1915 A, 393, pl. lxviii.
Rio, A. 1918 A, 367.
Russell, I. C. 1884 A, 460 ("elephant").
1885 A, 238 ("elephant or mastodon").
Scharff, R. F. 1911 A, 83, 87, 153.
Schlesinger, G. 1912 A.
Schmidt, E. 1872 A, 251, 254 ("Elephas").
Schuchert, C. 1915 A, 956.
Scott, W. B. 1913 A, 195, 197, 198, 427, figs. 113, 114.
Sellards, E. H. 1915 C, 8.
1915 D, 76, 80.
1916 B, 102.
1916 C, 130, 139, 140, 150, 158, pl. xxv, fig. 1.
1916 D, 616.
1916 E, 16.
1916 F, 7, 9.
1917 A, 250 ("elephant").
1919 A, 73 ("Elephas").
Shimek, B. 1902 A, 285 (E. primigenius).
1910 A, 135, 137.
1910 B, 310, 323.
Shuler, E. W. 1923 A, 333 ("mammoth").
Soergel, W. 1913 A, 89.
1915 A, 278, 283.
1921 A, 1-100, pls. i-viii; text-figs. 3-5.
Spencer, J. W. 1883 A, 308 (Euelephas jacksoni).
1895 A, 137.
Stauffer, C. 1924 A, 40, 41.
1926 A, 1 (E. columbi, E. jeffersonii).
Stefano, G. 1915 A, 209, pl. xi, fig. 1.
Stephenson, L. W. 1912 B, 268 ("elephant").
Sternberg, C. H. 1898 B, 169 (E. primigenius).
1903 A, 511.
1903 D, 89 ("elephant").
1907 B, 971.
1909 C, 260 ("columbian mammoth").
Stock, C. 1925 A, 195, 201.
Thornton, T. R. 1900 A, 198 ("mammoth").
Trouessart, E. L. 1913 A, 727.
Troxell, E. L. 1915 A, 616, 636 (This species?).
Udden, J. A. 1902 A, 428 (E. americanus. This species?).
1905 A, 47-57 (E. americanus. This species?).
Veatch, A. C. 1906 A, 51 ("Elephas").
Villada, M. M. 1903 A, 442.
Virlet d'Aoust, T. 1865 A, 24.
Ward, H. A. 1866 A, 37 (E. americanus).
Whitney, J. D. 1879 B, 261, 263, 275, 281 ("elephants." This species?).
Williston, S. W. 1902 M, 315 (E. primigenius).
1905 A, 335 (E. primigenius, E. columbi).
Wilson, T. 1901 A, 299.
Winchell, A. 1861 A, 132 ("elephant").
Woodward, A. S. 1923 C, 55.
Wright, F. B. 1903 A, 243.
Wyman, J. 1875 A, 31, 42 ("elephant").
Yates, L. G. 1903 A, 92, 101, 106, pl. x (E. americanus. This species?).
Zittel and Schlosser 1923 A, 632, 680, 681.
Pleistocene; greater part of North America.

Elephas columbi falconeri Freudenberg.

Freudenberg, W. 1922 A, 40, 51, 53, pl. viii, fig. 1; text-fig. 20.
Hay, O. P. 1925 C, 32.
Villada, M. M. 1903 A, 451, pl. viii (E. columbi).
Pleistocene; Mexico.

Elephas columbi felicis Freudenberg.

Freudenberg, W. 1922 A, 38, 47, pl. viii, fig. 3; text-figs. 18, 23.
Hay, O. P. 1925 C, 32, 36 (E. columbi, E. primigenius columbi).
Pleistocene; Mexico.

Elephas columbi silvestris Freudenberg.

Freudenberg, W. 1922 A, 46, 52, fig. 19.
Hay, O. P. 1925 C, 32.
Pleistocene; Mexico.

Elephas eellsi Hay.

Hay, O. P. 1926 B, 155, with plate.
1927 D, 38, 261.
Pleistocene; Washington.

Elephas exilis Stock and Furlong.

Stock and Furlong 1928 B, 140.
Pleistocene (Early); California.

Elephas francisi Hay.

Hay, O. P. 1922 D, 6, pls. iii, iv; text-figs. 7, 8.
1924 D, 376.
Pleistocene (Early); Texas.

Elephas haroldcooki Hay.

Hay, O. P. 1928, in Hay and Cook 1928 A, 33.
Cook, H. J. 1927 A, 117 ("mammoth").
Hay, O. P. 1928 C, 425, 426.
Spier, L. 1928 A, 161 ("primitive elephant").
Pleistocene (Aftonian); Oklahoma.

Elephas hayi Barbour.

Barbour, E. H. 1915 B, 129, figs. 1, 3, 5.
Hay, O. P. 1924 D, 376.
Barbour, E. H. 1925 A, 22, fig. 11.
Kunz, G. F. 1916 A, pl. opp. p. 324, fig. 9.
Osborn, H. F. 1922 E, 282.
Pleistocene (Aftonian); Nebraska.

Elephas imperator Leidy.

Leidy, J. 1858 B, 10.
Hay, O. P. 1902 A, 713 (E. columbi, in part).

Abel, O. 1914 A, 207.
1926 B, 238 (Elephas, Archidiscodon).
Allen, G. M. 1926 A, 455.
Andrews, C. W. 1922 B, 43.
Archer, W. J. 1918 B, 13 ("imperial elephant").
Baker, F. C. 1920 A, 458.
Barbour, E. H. 1914 B, 181.
1914 C, 219, 222, fig. 5.
1915 B, 129, figs. 2, 4, 5.
1916 B, 253, fig. 5.
1925 A, 21.
1925 D, 111 (Archidiskodon).
1926 A, 119, fig. 88 (Archidiskodon).
Blake, C. C. 1857 A, 186, fig.
1861 A, 470 (E. texianus).
1862 A, 57, pl. iv (E. texianus).
1863 B, 56 (E. texanius); 60 (E. imperator).
Blake, W. P. 1856 A, 395 (E. primogenius).
Branner, J. C. 1909 A, 7 (E. columbi).
Cahn, A. R. 1922 A, 23.
Calvin, S. 1909 A, 137.
1909 B, 351, pl. xxiv, xxv, figs. 1, 7.
1910 A, xii ("elephant").
1911 A, 212.
Chamberlin, R. T. 1917 A, 672 ("proboscidian").
Chamberlin, T. C. 1919 A, 316.
De Gregorio, A. 1916 A, 104.
Deussen, A. 1924 A, 20, 108.
Diener, C. 1912 A, 217.
Dietrich, W. O. 1912 A, 64, 74, fig. 10.
Digby, B. 1926 A, 31, 34.
Falconer, H. 1863 A, 46, 52 (E. texianus).
Freudenberg, W. 1921 A, 138.
1922 A, 39 (E. texanus, E. imperator); 55, 60, fig. 22 (E. columbi imperator); 44, 65, 70, figs. 26, 28 (E. imperator); 45, 47 (E. americæ).
Gawrilenko, A. 1924 A, 234.
Gidley, J. W. 1903 C, 618, 624.
1912 C, 19.
1926 B, 310 ("mammoth").
1926 D, 240 ("mammoth").
1926 I, 28 ("mammoth").
1927 A, 48 ("mammoth").
1927 E, 274. (This species?).
Gidley and Loomis 1926 A, 262 ("mammoth").
Gilbert, J. Z. 1910 B, 25 ("elephant").
Haug, E. 1911 A, 1886.
Hay, O. P. 1914 A, 26, 421, pls. lxvi-lxvii (E. imperator); 413, pl. lxi, figs. 7, 8 (E. columbi).
1916 E, 54.
1917 D, 39 (This species?).
1918 B, 9, seq.
1919 A, 311.
1919 C, 103, pl. xxvi, fig. 1.
1919 D, 361, 362, 372.
1920 B, 128.
1921 B, 403.
1922 A, 446.
1922 D, 6, text-figs. 3, 4.
1922 F, 97.
1923 A, 484.
1924 B, 259, 260.
1924 D, 376 (E. imperator); 92, 93 (E. texianus).
Hay, O. P. 1925 C, 22, 32, 35, 37, pl. iii, fig. 3; pl. iv, fig. 4 (E. imperator, E. columbi imperator).
1926 B, 159.
1926 E, 388, 390.
1926 F, 426.
1926 G, 128, 131.
1927 C, 280, 281 ("mammoth").
1927 D, 301, 302, 305.
1928 B, 238.
1928 C, 423, 425, 426.
Hayden, F. V. 1858 B, 157.
1872 A, 48.
Hill, R. T. 1901 A, 356 (Mastodon americanus).
Holmes, W. H. 1903 A, 244, pls. viii, ix.
1918 A, 562.
Ingalls, A. G. 1926 A, 290, fig. (Archidiskodon).
Kunz, G. F. 1916 A, 516, figs.
Lartet, E. 1859 A, 500, 505.
Lee, Stone, Gale 1915 A, 10.
Leidy, J. 1869 A, 252, 254, 398, pl. xxv, fig. 3.
Lucas, F. A. 1902 A, 554.
1902 B, 247.
1906 A, 152.
1907 B, 837.
1908 B, 443.
Lull, R. S. 1908 A, 196, fig. 23.
1909 A, 662, 673, fig. 21.
1914 E, 65, 68, pl. ii, fig. 8.
1917 A, 475.
1917 B, 53, 600, fig. 207.
1921 B, 159.
Lydekker, R. 1910 F, 663.
Maddren, A. G. 1905 B, 746.
Matthew, W. D. 1915 B, 11.
1918 A, 227.
Matthew and Cook 1909 A, 361.
Merriam, J. C. 1908 D, 473 ("mammoth").
1915 G, 101 ("elephant").
Merriam and Stock 1925 A, 11 (This species?).
Merrill, G. P. 1907 A, 35 (No. 185, E. columbi); (No. 189, E. imperator).
Osborn, H. F. 1903 E, 249 ("imperial mammoth").
1903 I, 978 (E. imperiales).
1905 D, 316.
1905 E, 931.
1905 H, 226.
1905 I, 111, pl. xii, fig. 3; pls. xiii, xiv.
1909 D, 125.
1910 B, 613, fig. 189.
1915 C, 263.
1918 A, 32.
1918 C, 135 (Euelephas).
1921 A, 14, 15 (in part).
1921 E, 233.
1922 B, 3, figs. 4-6.
1924 G, 1 (Archidiskon).
1925 A, 8, 19, 23, fig. (Archidiskodon).
1925 B, 28, 31, fig. 3 (Archidiskodon, Elephas).
1925 D, 528, 531, 532, figs. (Archidiskodon).
1928 A, 673 (Archidiskodon).
Pavlow, M. 1909 A, 174.
1910 A, 28.
Peterson, O. A. 1928 A, 119, text-fig. 23 (Parelephas washingtoni).

Pohlig, H. 1889 A, 247, 248 (E. imperator?).
Rio, A. 1918 A, 366, pls. i-v (E. primigenius. This species?).
Scharff, R. F. 1911 A, 87, 153.
Schlesinger, A. 1912 A.
Schuchert, C. 1915 A, 958.
Schuchert and Levene 1927 A, 352, fig.
Scott, W. B. 1913 A, 199, 427.
Sellards, E. H. 1915 C, 8 ("imperial elephant").
1915 D, 76 ("imperial elephant"); 112, fig. 46 (E. columbi var.).
Shimek, B. 1910 A, 131, 134, 135, 138.
1910 B, 316, 323, pl. xxvi, fig. 1.
Soergel, W. 1915 A, 278, 283.
1921 A, 30, 60.
Stefano, G. 1915 A, 209, pl. xi, figs. 2, 3.
Sternberg, W. 1909 C, 268, fig. 44 ("columbian elephant").
Stock, C. 1925 A, 30 (This species?).
Stock and Furlong 1928 B, 140.
Stremme, H. 1911 A, 88.
Swarth, H. S. 1915 A, 27, figs. 15, 16.
Weber and Abel 1928 A, 473.
Wyman, L. E. 1922 A, 15, figs. 3, 6-9.
1927 A, 86, fig. ("elephant").
Yates, L. G. 1903 A, 114, pl. xi (E. americanus?).
Zittel and Schlosser 1923 A, 632, 680.
Pleistocene (Early); western half and southern border of United States; Mexico.

Elephas maibeni Barbour.

Barbour, E. H. 1925 D, 95-111, figs. 58-60, 63-70, 72-87.
1926 A, 119, fig. 88 (Archidiskodon).
Pleistocene (Loess); Nebraska.

Elephas primigenius Blumenbach.

Blumenbach, J. F. 1799, Handb. Naturges., ed. VI, 697.
Cuvier's name *Elephas mammonteus* (Cuvier, G, 1799 A, p. 21) is antedated by that of Blumenbach.
Hay, O. P. 1902 A, 713 (in part).
Abel, O. 1912 F, 683 ("mammut").
1913 B, 750.
1914 B, 22 ("mammut").
1914 C, 306 ("mammut").
1919 A, 821, 824, 828, fig. 627.
1920 A, 442, figs. 673, 674, 677.
1922 C, 3, figs. 1, 2, 6, 8-14, 16-18, 21, 25.
Adams, M. F. 1807 A, 141-153 ("mammoth").
Adelung, N. 1901 A ("mammut").
Airaghi, C. 1917 A, 195, 234, pl. xv.
Allen, H. T. 1887 A, 99 ("mammoth").
Andrews, C. W. 1907 C, 303.
1908 D, 33, fig. 28.
1922 B, 42, fig. 29.
1923 C, 322, pl. x.
Anonymous 1903 A, 390, fig. ("mammoth").
Arldt, T. 1907 D, 652.
Barbour, E. H. 1925 A, 21.
1925 D, 111 (Mammonteus).
Beaumont, E. 1872 A, 1282.
Beddard, F. E. 1902 A, 226.
Beechey, F. W. 1831 A, 257, 322, 324 ("mammoth").
Billings, E. 1856 B, 379 (in part).
Blake, C. C. 1861 A, 470 (in part).
1863 B, 56, 58 (in part).
Boule, M. 1913 A ("mammouth").
1923 A, 496 ("mammoth").
Brandes, G. 1900 A, 103 ("mammuth").
Brandt, A. 1866 D, 1-41, pl. i (E. mamonteus seu primigenius).
1866 E, 361 ("mammuth").
1907 A, 301, figs. 1-4.
Brandt and Woldrich 1887 A, 95.
Breyne, C. 1738 A, 128, pls. i-iii ("mammoth").
Cantwell, J. C. 1884 A, 552 ("mammoth").
1887 A, 47 ("mammoth").
Capitan and Breuil 1901 A, 1038.
Clinton, D. W. 1815 A, 102 ("elephant").
Collier, A. J. 1902 A, 25-28 ("mammoth").
1903 A, 43 ("mammoth").
1906 A, 33.
1908 A, 86-93 ("mammoth").
Cope, E. D. 1891 N, 84, fig. 56.
Coupin, H. 1904 A, 101.
1908 A, 86-93 ("mammoth").
Cuvier, G. 1799 A, 21, pl. v, fig. 2; pl. vi, fig. 1 (E. mammonteus).
1799 B, 90 ("mammouth").
1807 B, 381 ("mammouth").
1825 A, I, 75, pls. ("mammouth," E. primigenius).
Cuvier and Geoffroy St-Hilaire 1796 A, 90 ("éléphan").
Dall, W. H. 1870 A, 238.
1881 A, 108 ("mammoth").
1896 A, 854 ("mammoth").
1901 A, 308 ("mammoth").
Dall and Harris 1892 A, 264, 266.
Dawson, G. M. 1893 A, 84 ("mammoth").
Dawson, J. W. 1894 D, 2, 4.
De Kay, J. E. 1842 C, 100.
Deniker, J. 1913 A, 117.
Depéret and Mayet 1923 A, 176-190.
Desmarest, A. G. 1822 A, 383 (E. primogenius).
Diener, C. 1912 A, 205.
Dietrich, W. O. 1912 A, 42.
1913 A, 67.
1919 A, 57.
Digby, B. 1926 A, 1-217, pls.; text-figs.
Dollo, L. 1889 I, 685.
Eichwald, E. 1835 A, 707, pl. iii (E. mamonteus).
Falconer, H. 1857 C, 81.
1863 A, 43, 55.
Falconer and Cautley 1847 A, pls. i, xiii*a*, xiii*b*.
Falconer and Murchison 1867 A, 1, 19.
Felix, J. 1912 A, 1, figs. 2, 3.
Fischer de Waldheim, G. 1814 A, 319 (E. mammonteus).
1829 A, 285 (E. mammonteus, E. paniscus, E. periboletes, E. pygmæus, E. campylotes).
1829 B, 267 (E. mammonteus).
Fraas, E. 1900 A, 38 ("mammut").
1912 A, 325 ("mammoth").
1913 D, lxiii ("mammut").
Frech, F. 1906 A, 472 ("mammut").
1907 A, 310.
Frech and Geinitz 1913 A, 15, 34, figs.
Freudenberg, W. 1913 A, 475.
1922 A, 63, fig. 24.
Gaudry, A. 1875 C, 29, pl. A, figs. 1, 1*a*.

Gaudry, A. 1891 C, 69, 119, fig. 33.
1893 A, 10.
1903 A, 553 ("mammouth").
Gawrilenko, A. 1924 A, 227.
Geikie, J. 1894 A, 653.
1914 A, 324 ("mammoth").
Gervais, P. 1852 A, 35 (E. primigenius).
1859 A, 59, 61.
Gidley, J. W. 1912 C, 20.
1927 A, 48.
Giebel, C. G. 1883 A, pls. lxviii, lxxiv.
Gilmore, C. W. 1908 A, 27, pl. vii.
Goddard, P. E. 1927 A, 68 ("hairy mammoth").
Harmer, F. W. 1901 A, 422.
Hay, O. P. 1912 D, 664, 726, pl. xix; text-figs. 54*a*, 65-67*a*.
1914 A, 398, 406, pl. lii, figs. 4-8; pl. liv, figs. 1-5, 7-9; pl. lv, figs. 1, 3, 4; pl. lvi, fig. 1; pl. lvii, figs. 1, 2; pl. lviii, fig. 1; pl. lx; text-figs. 54*a*, 65-67*a*; 134-137.
1922 F, 99 (E. mammonteus).
1924 D, 87.
1926 B, 157, 158.
1927 D, 302, 305.
1928 C, 425 (This species?).
Heilprin, A. 1887 A, 205, 366 ("mammonth").
Herz, O. F. 1904 A, 711.
Hess, —— 1910 A, 711.
Hilzheimer, M. 1909 B, 455, figs. 1-7.
Hoernes, R. 1912 A, 663 ("mammut").
Hoffman, G. C. 1902 A, 14.
Howorth, H. H. 1878 A, 483 ("mammoth").
1893 B, 94 ("mammoth").
1905 A, 246, 251.
Hull, E. 1908 A, 156.
1914 A, 613 ("mammoth").
Hutchinson, H. N. 1910 A, pl. xlviii; text-fig. 108 ("mammoth").
Ingalls, A. G. 1926 A, 290, fig.
Jochelson, W. 1909 A, 48 ("mammoth").
Kastchenko, N. 1901 A.
Kindle, E. M. 1924 A, 183, figs. 1-3.
Knight, C. R. 1920 A, 228, fig.
Knipe, H. R. 1912 A, 191, fig.
Koken, E. 1893 B, 588 ("mammuth").
1897 A, ix ("mammuth").
Kotzebue, O. 1821 A, 220 ("mammoth").
Kunz, G. F. 1916 A, 516, figs.
Kusnezow, S. K. 1896 A, 186 ("mammoth").
Lambe, L. M. 1904 C, 31, 39, 50 (in part).
1910 C, 273.
1912 A, 14.
1914 F, 299 ("mammoth").
1914 H, 401, 403 ("mammoth").
1917 E, 295.
Lang, H. 1925 A, 1-10, 43-49 (Mostly on E. beresovkius).
Lankester, E. R. 1905 A, 93, 111, figs. 62, 76*a*.
Lartet, E. 1859 A, 501, pl. xv, fig. 12.
Lee, Stone, Gale 1915 A, 9 (in part).
Leydig, F. 1859 A, 740.
Lönnberg, E. 1907 B, 116, figs. 9, 10.
Loomis, F. B. 1905 B, 842.
Lucas, F. A. 1898 E, 718 ("mammoth").
1901 A, 307.
1901 F, 490 ("mammoth").
1901 I, 353, pls. i-v.
1901 J, 177, figs. 35, 36 ("mammoth").
Lucas, F. A. 1902 A, 554.
1902 B, 264 (in part).
1906 B, 157, 158, 163, pls. xxvii, xxxix.
1907 A, 46 ("mammoth").
1907 B, 837 ("mammoth").
Lull, R. S. 1908 A, 197 (in part), fig. 26.
1909 A, 652, 663 (in part), figs. 8, 9, 24 (plates i and ii refer to E. beresovkius).
1914 E, 68, fig. 8.
1917 A, 477.
1917 B, 601 (in part), fig. 208.
Lydekker, R. 1901 D, 361.
1908 A, 511 ("columbian mammoth").
1910 E, 352 ("mammoth").
Macloskie, G. 1884 A, 216.
Maddren, A. G. 1905 A.
Mantell, G. A. 1839 A, 140, figs. 23, 24.
Matschie, P. 1901 A, 308.
Matthew, W. D. 1915 K, 410 ("mammoth").
Mayet and Roman 1923 A, 2, 11, 12, 14, 15.
Meyer, H. 1867 C, 786.
Middendorff, A. T. 1867 A, 271 ("mammuth").
Moffitt, F. H. 1905 A, 41 ("mammoth").
Moodie, R. L. 1920 E, 463 ("mammoth").
Moreau, L. 1914 A, 88.
Murchison, R. I. 1843 A, 131.
1846 A, 344 ("mammoth").
Nehring, A. 1880 A.
Neuville, H. 1919 A, 193, fig. 1 ("mammouth").
Newton, E. T. 1882 A, 106.
Obalski, T. 1904 A, 216 ("mammoth").
Osborn, H. F. 1903 E, 249.
1904 F, 46 ("mammoth").
1905 D, 316.
1905 H, 226 (in part).
1905 I, 111 (in part).
1909 D, 125 (in part).
1910 B, 420, fig. 183.
1914 D, 408, fig. 1.
1915 C, 263.
1916 B, 541.
1918 C, 135 (Euelephas primigenius); table (Elephas).
1920 A, 228, 240, figs.
1924 G, 1, 2, fig. 1 (E. primigenius, E. p. compressus, Mammonteus primigenius).
1925 A, 11, 19, 21, 23 (Mammonteus primigenius).
1925 B, 29, 33, fig. 3 (Mammonteus primigenius; M. p. americanus).
1925 F, 962.
Owen, R. 1860 E, 391, figs.
1866 B, 439, figs. 295, 296.
1868 A, 362, 618.
1885 B, 31, figs. 1, 2.
Pavlow, M. 1907 A, 139.
1909 A, 172, pl. v, figs. 6-9.
1910 A, 29, pl. ii, figs. 29-42.
Pfizenmayer, E. 1906 A, 521.
1910 A, 148, figs. 1-7.
Pohle, R. 1904 A, 577 ("mammut").
Pohlig, H. 1892 B, 314 (E. mammonteus, E. primigenius).
Pontier, G. 1904 A, 248.
1910 A, 497.
1911 A, 465, pl. x, figs. 6-8.
Preble, E. A. 1923 A, 119.
Quackenbush, L. S. 1909 A, plates.

Ranking, J. 1828 A, 371 ("mammouth").
Ricci, A. 1901 A, 369, pl. vi.
Richardson, J. 1854 B, 83.
Rutten, L. M. R. 1909 A, 21, pl. i, figs. 12-14.
Salensky, W. 1903 A, 893, fig. 1.
1903 B, 1-124, pls. i-xxv.
1909 A, 599 ("mammoth").
Scharff, R. F. 1895 A, 451.
1907 A, 173, fig. 55.
1911 A, 78 (in part).
Schlesinger, G. 1912 A.
Schlosser, M. 1903 I, 120.
1916 A, 47.
Schmidt, F. 1869 A, 97.
Schmidt, O. 1886 A, 236, fig. 42.
Schrenck, L. 1871 A, 718 ("mammut").
Schuchert, C. 1915 A, 435, 956, fig. 513.
Schuchert and Levene 1927 A, 339, 352, fig.
Scott, W. B. 1913 A, 196, 207, 426 (in part).
Serres, M. 1852 A, 120.
1860 A, 301.
Shufeldt, R. W. 1889 D, 33, fig.
Soergel, W. 1921 A, text-figs. 3-5, 7.
Southall, J. C. 1875 A, 596 ("mammoth").
1878 A, 422 ("mammoth").
Spurr, J. E. 1898 A, 207, 219 ("mammoth").
1900 A, 132 ("mammoth").
Stanley-Brown, J. 1892 A, 499 ("mammoth").
Stefanescu, S. 1919 E, 1332.
Stefano, G. 1915 A, 210.
Stejneger, L. 1907 A, 479.
Stingelin, T. 1902 A, 1, pls. i, ii.
Stirrup, M. 1893 B, 334 ("mammoth").
Stromer, E. 1906 B, 48.
1912 A, 217, fig. 206.
Tentzel, W. E. 1698 A, 757-776 ("elephas").
Tilesius, W. G. 1815 A, 470, pls. x, xi (E. mammonteus, E. primordialis, E. primigenius).
Tissandier, G. 1877 A, 139 ("mammouth").
Tolmachoff, I. P. 1927 A, 66 ("mammoth").
1928 A, 294 ("mammoth").
Toula, F. 1908 A, 267.
Townsend, C. H. 1887 A, 89 ("mammoth").
Trouessart, E. L. 1905 A, 603.
1913 A, 727.
Tukeman, H. 1899 A, 504.
Udden, J. A. 1905 A, 47-57 (in part).
Van Bemmelen, J. F. 1918 A, 575 ("mammoth").
Van de Wiele, C. 1903 A, 593.
Vollosovic, K. 1909 A, 437 ("mammouth").
Ward, H. A. 1866 A, 35.
Weber and Abel 1928 A, 473, 475, figs. 304, 307.
Wilckens, O. 1911 A, 705 ("mammut").
Winge, H. 1904 A, 241.
Woodward, A. S. 1923 C, 56, figs. 42-44.
Woodward, H. 1904 A, 152.
Wright, G. F. 1909 A, 512 ("mammoth").
Wüst, E. 1901 A, 247.
Zittel and Schlosser 1911 A, 539, fig. 736.
1923 A, 631, 681, fig. 778.

Doubtless some of the references to American specimens of elephants in the papers cited apply in reality to *Elephas boreus*, others to *E. beresovkius* and *E. sibiricus*.

Elephas roosevelti Hay.

Hay, O. P. 1922 F, 101.
1914 A, 409, pl. lix (E. primigenius).
Hay, O. P. 1924 D, 48.
1925 A, 1-6, pls. i-iv; text-fig. 1 (E. roosevelti; "Mammonteus primigenius compressus").
1926 B, 159.
Lindemuth, A. C. 1878 A, 509 ("mammoth").
Osborn, H. F. 1922 B, 8, fig. 8 (E. jeffersonii).
1923 G, 5, fig. 2 (Mammonteus primigenius compressus).
1925 A, 22 (Mammonteus primigenius compressus).
1925 B, 33 (Mammonteus primigenius compressus).

Pleistocene; Illinois, Wisconsin, Ohio, Indiana.

Elephas scotti Barbour.

Barbour, E. H. 1925 A, 21, figs. 7-10.
Hay, O. P. 1927 D, 280.

Pleistocene (Aftonian); Nebraska.

Elephas washingtonii Osborn.

Osborn, H. F. 1923 E, 4.
Hay, O. P. 1927 D, 35.
Peterson, O. A. 1928 A, 119, text-fig. 24.

Pleistocene; Washington.

Elephas sp. indet.

All of the remains referred to below are believed to belong in the Pleistocene.

Anderson, F. M. 1908 A, 35 ("elephant"). California.
Andrews, E. B. 1874 A, 471 ("mammoth"). Ohio.
Anonymous 1927 A, 479 ("mammoth"). Oklahoma.
Arnold, R. 1903 A, 53 ("elephant"). Santa Rosa Island, California.
Ashley, G. H. 1895 A, 334 ("Elephas"). Santa Rosa Island, California.
Baker, F. C. 1920 A, 458 (in part) (E. americanus, E. columbi, E. jacksoni, E. primigenius).
Bancroft, H. H. 1875 A, 697 ("elephants"). California.
Barton, B. S. 1806 B, 157 ("mammoth"). Pennsylvania, New York.
1810 A, 340, 342 ("mammoth"). Virginia, New York, Pennsylvania.
1814 A ("elephant").
Bell, R. 1897 A, 136 A. Edmonton, Alberta.
1898 B, 223 ("mammoth"). Hudson Bay, Ungava.
Berthoud, E. L. 1872 A, 302 ("elephant"). Colorado.
Beyer, S. W. 1899 A, 211 (E. primigenius). Iowa.
Bibbins, A. B. 1905 A, 48 ("mammoth"). Washington, D. C.
Blake, W. P. 1856 A, 395 (E. primogenius). California.
1857 A, 257 (E. primigenius). California.
1884 A, 273, fig. 1. Nevada.
1899 A, 636 ("mammoth"). California.
Bowers, S. 1878 A, 317 ("vertebrates"). Santa Rosa Island, California.
Branner, J. C. 1909 A, 7 ("mastodon"). Stanford University, California.
Bretz, J. H. 1913 A, 180 ("mammoth"). State of Washington

Briggs, C. 1838 B, 96 ("mammoth"). Ohio.
Broadhead, G. C. 1898 A, 376. Missouri.
Brown, J. S. 1904 A, 119 ("mammoth"). Texas.
Buckley, S. B. 1876 A, 29 (E. primagenius). Texas.
Calvin, S. 1910 A, xii ("elephant"). Iowa.
1911 A, 210 (E. indianapolis; insufficient description).
Campbell, G. D. 1883 A, 579 ("mammoth"). Carson, Nevada.
Cannon, G. L. 1888 B, 59, 61 ("elephant") Colorado.
1896 in Emmons, S. F. 1896 A, 264 ("elephant"). Colorado.
Carpenter, F. R. 1888 A, 49 (E. primigenius). South Dakota.
Clarke, J. M. 1912 A, 500 ("mammoth"). New York.
Coleman, A. P. 1895 A, 641 ("mammoth"). Ontario.
1899 A, 195 ("mammoth"). Ontario.
1900 A, 330 ("mammoth or mastodon"). Ontario.
1907 A, 1248 ("mammoth"). Ontario.
1913 B, 34 ("mammoth"). Ontario.
1914 A, 448 ("mammoth"). Ontario.
Collett, J. 1876 A, 246, 293 (E. americanus). Indiana.
1881 A, 16, 386 (E. americanus). Indiana.
1883 A, 73 ("mammoth"). Indiana.
Cook, H. J. 1926 D, 335, 2 sp. Colorado, Texas.
Cooke, C. W. 1926 A, 445 ("mammoth"). Florida.
1928 A, 421. Florida.
Cooper, Smith, and DeKay 1831 A, 371 ("elephant"). Kentucky.
Cope, E. D. 1878 II, 125 (E. primigenius). Fossil Lake, Oregon.
1895 G, 599 (E. primigenius). General.
Cox, E. T. 1871 A, 103 ("mammoth"). Indiana.
1875 A, 214 ("mammoth"). Indiana.
Cresson, H. T. 1890 A, 469 ("engraved shell"). Delaware.
Cuvier, G. 1825 A, I, 155. South Carolina, Pennsylvania, Kentucky, Maryland, Virginia, Louisiana, Mexico.
Dall, W. H. 1868 A, 35. Alaska.
Dall and Harris 1892 A, 284 (E. primigenius). General.
Dawson, G. M. 1899 A, 19 A (E. primigenius). Alberta.
Deussen, A. 1924 A, 110 (E. primigenius); 116 (E. columbi). Texas.
Diffenderfer, F. R. 1873 A, 62 (E. americana). Chihuahua, Mexico.
Diller, J. S. 1906 A, 6, 11 ("elephants"). California.
1911 A, 27. California.
Drayton, J. 1802 A, 40 ("elephant"). South Carolina.
Dryer, C. R. 1889 A, 129 ("mammoth"). Indiana.
Dumble, E. T. 1920 A, 268. Texas.
Edwards, J. J. 1902 A, 248 (E. primigenius). Indiana.
Elrod and Benedict 1892 A, 240 (E. primigenius). Indiana.
Fairbanks, H. W. 1897 A, 216, 226, 227 ("Elephas"). Santa Rosa Island, California.
Fairchild, H. L. 1887 A, 20-24 (E. primigenius). General.
Falconer, H. 1863 A, 67 (E. rupertianus, E. jacksoni, E. americanus).
Ferguson, H. G. 1917 A, 182 (Elephas). Nevada.
Foster, J. W. 1838 B, 358 ("elephant"). Ohio.
1838 C, 363, figs. (E. jacksoni). Ohio.
1839 A, 190, fig. 2 ("elephant"). Ohio.
1869 A, 231 (E. primigenius). California.
1873 A, fig. 4 (E. primigenius). General.
Fowke, G. 1902 A, 107 ("mammoth"). Ohio.
Freudenberg, W. 1910 A, 5. Mexico.
1922 A, 26 (E. columbi?); 39 (E. jacksoni). Mexico.
Furlong, E. L. 1925 A, 139, 140, 142 (Elephas). Mexico. Tequixquiac, Hidalgo: Saltillo, Coahuila: Zumpango, Guerrero; Mexico.
Gibbes, C. D. 1882 A, 1 (E. primigenius). Carson, Nevada.
1882 B, 9, pl. Carson City, Nevada.
Gidley, J. W. 1912 C, 20 (E. primigenius). General.
1924 A, 69 ("Elephas"). Nevada.
1928 B, 12, 13, 14, figs. 12-14 ("mammoth"). Pleistocene; Oklahoma, Florida.
Gilbert, G. K. 1890 A, 303, 304 ("mammoth"). Utah.
Goddard, P. E. 1926 A, 258. Florida.
Goodyear, W. A. 1890 A, 169 ("elephant"). Santa Rosa Island, California.
Harkness, H. W. 1882 A, 2 ("mammoth"). Carson, Nevada.
Harlan, R. 1831 C, 59 ("elephant"). Virginia.
Hay, O. P. 1914 A, 67, 437, pl. lvii, fig. 1 (E. primigenius?).
1923 A, 484 (E. primigenius?). Iowa.
1924 D, 376. Colorado, Iowa, Kansas, Louisiana, Minnesota, Missouri, Montana, Nebraska, New Mexico, North Dakota, South Dakota, Texas, Wyoming.
1926 D, 359. Tuolumne Mountain, California.
1927 D, 301, 310 (E. sp. indet.); 305 (E. americanus). Pleistocene; Arizona, California, Idaho, Nevada, Ontario, Oregon, South Dakota, Texas, Utah, Washington, Wyoming.
Hayden, H. H. 1920 A, 121 ("asiatic elephant"). Maryland. Virginia, South Carolina.
Haymond, R. 1869 A, 200 (E. primigenius). Indiana.
Haynes, H. W. 1889 A, 348 ("elephants"). In loess in Nebraska; Walker River, Nevada.
Henshaw, H. W. 1883 A, 152 ("elephant"). General.
Hildreth, S. P. 1834 A, 256 ("elephant"). Ohio.
Holmes, W. H. 1901 A, 423 ("elephant"). California.
Howorth, H. H. 1905 A, 93 ("mammoth"); 94 (E. columbi); 99, 103 ("elephant").
Jefferson, T. 1787 A, 64 ("mammoth"). Virginia.
Kay, G. F. 1921 A, 80 ("proboscidean." May be mastodon). Iowa.
Knight, W. C. 1903 A, 828 (E. primigenius). Wyoming.

Knowlton, F. H. 1911 D, 63 ("elephant"). California.
Lambe, L. M. 1911 B, 271 ("mammoth"). Alberta.
Lawson, J. S. 1874 A, 379 (E. primigenius). Whidbey Island, Washington.
Le Conte, J. 1882 A, 922 (E. primigenius?). Nevada.
1883 A, 101 (E. americanus). Nevada.
1887 A, 515 ("mammoth"). Santa Rosa Island, California.
Leidy, J. 1886 D, 275 (Elephas). Nicaragua.
Leverett, F. 1889 A, 179 ("mammoth"). Illinois.
1897 A, 71 ("mammoth"). Illinois.
Lindemuth, A. C. 1878 A, 508 ("mammoth"). Ohio.
Lindgren, W. 1911 A, 193 ("elephant"). Carson City, Nevada; 51, 52, 212 ("elephant"). California.
Lloyd, J. U. 1904 A, 43 ("mammoth"). General.
Loomis, F. B. 1926 B, 262. Florida.
Lull, R. S. 1908 A, 197 (in part), fig. 25 (E. primigenius). General.
Lyell, C. 1843 B, 126 ("elephant"). Kentucky.
1845 B, II, 59, 65, 69 (E. primigenius).
1847 C, lxxxi (E. primigenius). Kentucky.
1855 A, I, 348; II, 261 ("elephant").
McAdams, W. 1883 A, pl. lxxix ("elephant"). Illinois.
McCornack, E. C. 1920 A, 18, 23. Oregon.
McGee, W. J. 1891 A, 471 ("mammoth"). Iowa.
Madison, J. 1805 A, 58 ("mammoth"). Virginia.
Mather, W. W. 1843 A, 44 ("fossil elephant"). New York.
1843 B, 233, 636 ("elephant"). New York.
Meek, F. B. 1855 A, 215 (E. primigenius). Missouri.
Mercer, H. C. 1885 A, 1-95 ("mammoth"). On Lenapi stone.
Merriam, J. C. 1900 A, 613, 614 ("Elephas"). Contra Costa County, California.
1914 A, 15 ("Elephas"). Nevada.
Miller, B. L. 1911 A, 123 (E. americanus). District of Columbia.
Miller, L. H. 1912 A, 71 (E. primigenius). California.
Mitchill, S. L. 1826 A, 5 ("mammoth"). Long Island, New York.
Newberry, J. S. 1861 A, 38 (E. primigenius). Arizona.
1870 D, 32 ("mammoth"). General.
1873 E, 183 ("mammoth"). Ohio.
1873 F, 87 ("elephant"). Ohio.
Norton, W. H. 1901 A, 377 (E. primigenius). Iowa.
Owen, D. D. 1857 B, 103 ("mammoth").
Owen, L. A. 1926 A, 380 ("mammoth"). Pleistocene (Loess); Missouri.
Owen, R. (of America) 1862 A, 197. Indiana.
Pavlow, M. 1910 A, 28 (E. americanus).
Plummer, J. T. 1843 A, 302 ("tusk"). Indiana.
Putnam, C. E. 1886 A ("elephant"). Iowa.
Putnam, F. W. 1890 A, 468. General.
Rae, J. 1879 A, 669 ("mammoth"). General.
Rath, G. 1886 A, 105 (E. primigenius). Mexico.
Read, M. C. 1873 A, 526 (E. americanus?). Ohio.
Rockwell, A. P. 1872 A, 373 ("elephant"). Colorado.
Russell, I. C. 1890 A, 122 ("mammoth"). Alaska.
Savage and Udden 1922 A, 178 ("elephant"). Illinois.
Sellards, E. H. 1919 A, 73 ("elephant"). Texas.
Shaler, N. S. 1877 A, 197 (E. primigenius). Kentucky.
Sinclair, W. J. 1903 A, 711. California.
1904 A, 18, 20. California.
1904 B, 11 (This genus?). Nevada.
1908 A, 112 ("elephant"). California.
Smith, W. G. T. 1900 A, 229 ("Elephas"). Santa Rosa Island, California.
Stalnaker, A. M. 1884 A, 615 ("mastodon"). Iowa.
Stauffer, C. 1924 A, 40, 41. Minnesota.
Stearns, R. E. C. 1873 A, 152 ("elephant"). California.
Sterling, E. 1886 A, 309 ("mammoth"). Ohio.
1883 in Putnam, C. E. 1886 A, 309 (E. primigenius). Ohio.
Sternberg, C. H. 1909 C, 160 (E. primigenius). Oregon.
Stewart, T. 1828 A, 188 ("mammoth"). New Jersey.
Stock, C. 1925 A, 113 (E. primigenius). California.
Stock and Furlong 1928 A, 19. Santa Rosa Island, California.
Swallow, G. C. 1858 A, 35 (E. primigenius); Missouri.
Thompson, W. H. 1886 A, 159 (E. primigenius). Indiana.
Todd, J. E. 1880 A, 14 (E. americanus). Iowa.
1894 A, 126 (E. americanus). South Dakota.
1896 A, 129 ("mammoth"). Missouri.
1899 A, 85 ("mammoth"). South Dakota.
1918 A, 45 ("mammoth"). Kansas.
Udden, J. A. 1899 A, 350 ("elephant"). Iowa.
1901 B. 110 ("elephant"). Iowa.
1902 A, 428 (E. americanus). Iowa.
1903 A, 170 ("mammoth"). Iowa.
1912 A, 61 ("proboscidian"). Iowa, Illinois.
Upham W. 1903 C, 22679 ("mammoth"). General.
Voy, C. D. 1897 A, 227 (E. primigenius). Santa Rosa Island, California.
Weidman, S. 1907 A, 430 ("mammoth"). General.
Whitney, J. D. 1862 A, 129, 133 ("elephant"). Lead Region, Illinois, etc.
1864 A, 264 ("elephant"). California.
1865 A, 242, 252 ("elephant"). California.
1866 A, 162 ("elephant"). Lead Region, Illinois, etc.
Whittlesey, C. 1866 A, 8 (E. primigenius). Ohio.
Wilson, T. 1901 A, 299. General.
Winchell, A. 1861 A, 132 ("elephant"). Michigan.
1870 A, 504 ("mammoth"). Michigan.
Winchell, N. H. 1878 A, 61 ("elephant"). Minnesota.
1882 A, 146 ("elephant"). Montana.
1885 A, 148, pl. ii (E. primigenius). Minnesota.
1905 A, 259 (E. primigenius). Illinois.
1907 A, 163 ("mammoth"). General.
Witter, F. M. 1892 A, 67 ("elephant"). Iowa.

Worthen, A. H. 1866 A, 38, 39 ("mammoth"). Illinois.
1873 A, 237, 252 ("mammoth"). Illinois.
1890 A, 8 ("mammoth"). Illinois.
Wright, G. F. 1903 A, 297 ("mammoth"). New York.
1905 A, 18 ("mammoth"). General.
Wright, G. F. 1908 A, 22, 31 ("mammoth"). General.
1911 A, 282 ("mammoth"). General.
1911 B, 438, 586, 690 ("mammoth"). General.
Yates, E. G. 1890 A, 51, 52 ("elephant"). Santa Rosa Island, California.
1915 A, 67. California.

Order SIRENIA Illiger.

Illiger, C. 1811 A, 140.
Hay, O. P. 1902 A, 582.
Abel, O. 1904 A, 1-223.
1904 B, 741 ("sirenen").
1906 A, 50 ("sirenen").
1907 C (80) ("sirenen").
1908 A, 479 ("sirenians").
1908 B, 139, 143 ("sirenen").
1910 B (186) ("sirenen").
1912 F, 124, 176, 197 ("sirenen").
1913 A, 289 ("sirenen").
1913 B, 729, 750b.
1914 A, 122, 213.
1920 A, 445.
1921 A, 217, 232, fig. 83 ("sirenen").
1922 B, 2 ("sirenen").
1922 E, 368 ("sirene").
1923 A, 215 ("sireniden").
Allen, J. A. 1882 A, 15.
Ameghino, F. 1904 B, 51.
1906 A, 407 ("siréniens").
Anderson, R. J. 1898 A, 765 ("dugong").
1902 A, 1121.
Andrews, C. W. 1902 A, 293, 295.
1906 A, xx.
1909 C, 305.
1912 A, 454.
1924 A, 304.
Anthony, R. 1912 A ("siréniens").
Arldt, T. 1907 D, 681.
Ash, F. H. 1908 A, 81.
Beddard, F. E. 1900 A, 319.
1902 A, 333.
Black, N. 1900 A, 15.
Boas, J. E. V. 1914 B, 577, 586 ("sirenen").
Bonaparte, C. L. 1832 A, 293.
Branca, W. 1907 A, 9 ("sirenen").
Brandt, J. F. 1833 A, 114 ("cétacés herbivores").
Braun, M. 1906 B, 131 ("sirenen").
Broom, R. 1897 B, 252.
1915 A, 162.
Brown, A. E. 1878 A, 291.
Case, E. C. 1898 C, 830.
1904 D, 56, 57.
Carus, V. 1875 A, 168.
Christol, J. 1834 A, 257 ("dugongs").
Clark and Sonntag 1926 A, 454, 459.
Cope, E. D. 1885 BB, 71.
1891 N, 67, 70.
Cuvier, F. 1825 A, 236 ("lamantins").
1836 A, 1 ("cétacés herbivores").
Dart, R. A. 1923 A, 637.
Depéret, C. 1907 B ("siréniens").
Depéret and Roman 1920 A, 1-55, pls. i-vii; 14 text-figs. ("siréniens").
Dilg, C. 1909 A, 83.
Dollo, L. 1889 E, 188 ("siréniens").
Dollo, S. 1889 L, 415 ("siréniens").
1892 D, 118 ("siréniens").
1922 A, 216 ("siréniens").
Doran, A. H. G. 1878 A, 464.
Eggeling, H. 1904 A, 99.
Elliot, D. G. 1901 A, 5.
Fraas, E. 1905 B, 378.
Frassetto, F. 1915 A, 21.
Freund, L. 1905 A, 426 ("sirenen").
1911 A, 377.
1912 A, 557 ("sirenen").
1913 A, 258 ("sirenen").
1914 A, 353 ("sirenen").
1914 B, 706.
Fuchs, H. 1908 A, 353 ("sirenen").
Gaupp, E. 1913 A, 125 ("sirenen").
Gervais, P. 1852 A, 141, 199 ("siréniens").
1859 A, 276 ("sirénides").
Giebel, C. G. 1855 A, 83.
1883 A ("sirenen").
Gottlieb, H. 1914 A, 190, 210.
Gregory, W. K. 1910 A, 78, 82, 406, 407, 423, 430, 452.
1920 A, 184, 245.
Hay, O. P. 1915 B, 384.
Heilmann, G. 1914 A, 90.
Heilprin, A. 1887 A, 339.
Hennicke, C. 1902 A, 159, 163.
Hilzheimer, M. 1913 A, 570.
Hoernes, R. 1886 A, 682.
Hogben, L. T. 1919 A, 76.
Howes, G. B. 1893 C, 572.
1903 A, 326, 328.
Howes and Harrison 1893 A, 790.
Huxley, T. H. 1863 F, 579, 609, 633.
Jaekel, O. 1911 A, 245 (Sirenii).
Kampfen, P. N. 1905 A, 633.
Kaup, J. J. 1840 A, 673.
Kellogg, R. 1924 C, 755.
Kingsley, J. S. 1884 A, 210-214.
1925 A, 218, 300.
Knox, R. 1831 A, 389 ("dugong").
Koken, E. 1893 B, 487.
Kükenthal, W. 1897 B, 140 ("sirenen").
1897 C, 181 ("sirenen").
1913 A, 683.
1914 A, 561 ("dugong").
Larger, R. 1913 A, 718 ("siréniens").
Lavocat, A. 1885 A, 46 ("siréniens").
Leche, W. 1887 A.
1900 A, 1028.
1921 A, 72.
Leunis and Ludwig 1883 A, 275.
Lorenz, L. 1904 B, 142 ("sirenen").
Lucas, F. A. 1916 B, 315 ("sea-cows").
Lull, R. S. 1909 A, 641.
1910 D, 153.

Lull, R. S. 1912 A, 220, 246.
1917 B, 322.
Lydekker, R. 1903 D, 124 ("sea-cows").
1907 E, 673.
Major, C. J. F. 1899 B, 62.
1918 B, 66.
Matsumoto, H. 1923 A, 111.
Matthes, E. 1912 A, 594 ("sirenen").
1915 A ("sirenen").
1921 B, 139 ("sirenen").
1921 C, 1-304.
Matthew, W. D. 1912 A, 156.
1915 A, 256, 314.
1915 H, 439 ("sirenians").
1916 B, 23.
Mitchell, P. C. 1905 A, 464.
Nopcsa, F. 1923 B, 354, 357 ("sirenen").
Osborn, H. F. 1902 E, 356, fig. 1.
1905 I, 109.
1905 N, 242.
1906 B, 56.
1907 G, 15, 188.
1907 K, 817, 830.
1909 E, 139.
1910 B, 631.
1917 B, 269, 270 ("sirenians").
1925 B, 18.
Osburn, R. C. 1903 A, 653.
1906 A, 448.
Owen, R. 1857 E.
1858 A, 26.
1868 A, 908.
Palacký, J. 1902 C, 254 ("sirenen").
Parker and Haswell 1897 A, 451, 502, figs. 1082, 1083.
Perrier, E. 1920 A, 152, 229 ("sirénides").
Peterson, O. A. 1912 B, 164.
Petronievics, B. 1923 B, 58.
Pictet, F. J. 1853 A, 368 ("sirénoides").
Pompeckj, J. F. 1925 A, 10 ("sirenen").
Reynolds, S. H. 1897 A, 518, 554.
Ryder, J. 1887 A, 346.
1887 B, 427, 475 ("sirenians").
Sabatier, A. 1897 B, 933 ("sirénides").
1902 A, 100 ("sirénides").
Schlosser, M. 1899 L, 351 ("sirenen").
1911 A, 161 ("sirenen").
Schmidt, O. 1886 A, 242.
Schmidtgen, O. 1912 A, 465 ("sirenen").
Schwarz, E. 1924 A, 420 ("sirenians").
Sclater, P. L. 1897 A, 351.
Scott, W. B. 1913 A, 442.
Smith, G. E. 1903 B, 49.
Steinmann, G. 1907 A, 503.
1912 A, 47 ("sirenen").
1912 B, 718 ("sirenen").
Sterling, S. 1910 C, 667 ("sirenen").
Stromer, E. 1902 B, 555 ("sirenen").
1912 A, 220, 246.
1921 A, 41.
Terra, P. 1911 A, 339.
Tredgold, A. F. 1897 A, 295.
Trouessart, E. L. 1905 A, 748.
Troxell, E. L. 1925 D, 613 ("sirenians").
True, F. W. 1905 C, 384.
1912 D, 197, 198.
Wagner, R. 1843 A, 12.
Wallace, A. R. 1876 A, I, 502; II, 210.
Weber, M. 1904 A, 727.
Weber and Abel 1928 A, 479, 494, 496, 896.
Weber and Burlet 1927 A.
Wilckens, O. 1911 A, 768 ("sirenen").
Wilder, B. 1875 A, 105.
Williston, S. W. 1902 F, 263 ("sirenians").
1912 E, 261.
1914 A, 62.
Woodward, A. S. 1898 E, 330 ("sea-cows").
1909 A, 330.
1910 B, 470.
1923 C, 68.
Woodward, H. 1904 B, 155.
Wortman, J. L. 1920 A, 16.
1921 A, 186.
Yoshiwara and Iwasaki 1902 A, 12, 13.
Zaaijer, T. 1894 A, 340 ("sirenen").
Zittel and Schlosser 1911 A, 540.
1923 A, 632, 636, 670.

Suborder DESMOSTYLIFORMES Hay.

Hay, O. P. 1923 B, 109.
Abel, O. 1923 E, (135).

DESMOSTYLIDÆ Osborn.

Osborn, H. F. 1905 H, 223.
Abel, O. 1913 B, 729, 748, 750*a*.
1914 A, 122, 192, 213.
1919 A, 830.
1920 A, 445.
Hay, O. P. 1915 B, 385.
Matsumoto, H. 1918 B, 71.
Osborn, H. F. 1905 I, 109.
1910 B, 559.
Zittel and Schlosser 1923 A, 635, 636.

CORNWALLIUS Hay. Type *Desmostylus sookensis* Cornwall.

Hay, O. P. 1923 B, 107.
1924 C, 4.

Cornwallius sookensis (Cornwall).

Cornwall, I. E. 1922 A, 121, 4 figs. (Desmostylus).
Clark and Arnold 1923 A, 177, pl. xxix, 5 figs. (Desmostylus).
Cornwall, I. E. 1922 in Abel, O. 1922 E, 366, 384 (Desmostylus).
Hay, O. P. 1923 B, 106, text-fig. 4.
1924 C, 4, pl. i, figs. 4, 5; pl. ii; text-fig. 1.
Kermode, F. 1917 A, 42, 43, pl. ix (Desmostylus).
Lambe, L. M. 1917 D, 42, pl. ix, figs. 2, 3 (D. hesperus).

Upper Oligocene or Lower Miocene (Sooke); British Columbia.

Desmostylus Marsh. Type *D. hesperus* Marsh.

Hay, O. P. 1902 A, 583.
Abel, O. 1913 B, 748, 750-*b*.
1914 A, 213.
1919 A, 830, figs. 829, 830.
1922 B, 1.
1922 E, 367.
1923 A, 213.
1926 E, (134).
Andrews, C. W. 1924 A, 308.
Hannibal, H. 1922 A, 238.
Hay, O. P. 1915 B, 381, 397.
1923 B, 105, 107.
1924 C, 1.
Joleaud, L. 1920 A, 499.
McCornack, E. C. 1914 A, 3, fig.
Matsumoto, H. 1918 A, 59.
1918 B, 61.
Matthew, W. D. 1916 B, 27.
1916 I, 109.
Merriam, J. C. 1906 C, 151.
1911 D, 403.
1915 E, 196, 208.
Miller, L. H. 1915 B, 72.
Osborn, H. F. 1905 D, 109.
1910 B, 344, 394, 549.
1922 G, 450.
Palmer, T. S. 1904 A, 224, 904.
Rogers, A. F. 1924 A, 545.
Stromer, E. 1924 A, 254.
Trouessart, E. L. 1905 A, 751.
Weber and Abel 1928 A, 44, 48, 85, figs. 13, 14.
Wiman, C. 1923 A, 225.
Yoshiwara and Iwasaki 1902 A (Without generic or specific name).
Zittel and Schlosser 1911 A, 542.
1923 A, 635.

Desmostylus californicus Hay.

Hay, O. P. 1923 B, 106.
Upper Miocene (San Pablo); California.

Desmostylus hesperus Marsh.

Hay, O. P. 1902 A, 583.
Abel, O. 1922 B, 1.
1922 E, 362, pls. i-iii; text-figs. 2-4.
1923 A, 213, figs. 1, 3, 4.
1926 E, (135).
Anderson, F. M. 1911 A, 101 ("Desmostylus"; this species?).
Andrews, C. W. 1924 A, 308.
Cornwall, I. E. 1922 A, 122.
Hannibal, H. 1922 A, 238, pl. xii (D. hesperus); 239, pl. xi (D. cymatias).
Hay, O. P. 1915 B, 381, 397, pls. lvi-lviii.
1922 G, 392.
1923 B, 105, 107, text-fig. 5.
1924 C, 5, pl. i, fig. 3; text-fig. 2.
Lambe, L. M. 1916 A, 197.
Matsumoto, H. 1918 B, 72.
Merriam, J. C. 1911 D, 407, figs. 1-3 (D. sp.).
1915 E, 194, 197, 203, fig. 21 (This species?).
Osborn, H. F. 1902 H, 713.
1918 A, 23.
Palacký, J. 1902 C, 255.
Smith and Packard 1919 A, 97.
Yates, L. G. 1903 A, 20, figs. 1-3.
Middle Miocene (Temblor); California, Oregon.

Desmostylus sp. indet.

Hay, O. P. 1924 C, 1, pl. i, figs. 1, 2.
Kellogg, R. 1927 B, 1 ("Desmostylus"). Miocene (Temblor); California.

Suborder Trichechiformes Hay.

Hay, O. P. 1923 B, 109.
Abel, O. 1923 E, (135).

HALITHERIIDÆ Gill.

Gill, T. 1872 B, 13, 92.
Hay, O. P. 1902 A, 582.
Abel, O. 1904 A, 12, 154, 197 (Halicoridæ).
1913 A, 358 (Halitheriinæ).
Dollo, L. 1889 L, 421.
Freund, L. 1904 A, 363 (Halicore).
Matthes, E. 1921 A, 209, figs. 1-6 (Halicore).
Matthew, W. D. 1916 B, 24 (Halicoridæ).
Roger, O. 1896 A, 247 (Halicoridæ).
Stromer, E. 1921 A, 41, 52 (Halicoridæ).
Trouessart, E. L. 1905 A, 749 (Halicoridæ).
Weber, M. 1904 A, 738 (Halicoridæ).
Weber and Abel 1928 A, 502 (Halitheriinæ).
Zittel and Schlosser 1911 A, 542 (Halicoridæ).
1923 A, 634 (Halicoridæ).

Metaxytherium Christol. Type, none selected.

Chrystol, J. 1840, L'Institut, Paris, viii, 322-323.
Hay, O. P. 1902 A, 582 (Dioplotherium).
Abel, O. 1902 B, 515.
1904 A, 12, figs. 2-4, 6, 7, 9, 10-12, 17, 21, 22.
1905 D, 393.
1907 G, 30, fig. 23.
1908 B, 144.
1909 E, (244).
1912 F, 192, 527, 685.
1919 A, 832, figs. 631, 639.
1920 A, 446, fig. 679.
1923 A, 224.
Arldt, T. 1907 D, 433.
Boas, J. E. V. 1914 B, 586.
Capellini, G. 1886 A, 39, pl.
Christol, J. 1840, Comptes Rendus, Paris, xi, 527.
1841, Ann. Sci. Nat., Paris (2), xv, 331. pl. vii.
Depéret, C. 1907 B.
1914 A, 1859, 1861.
Depéret and Roman 1920 A, 6, 13, 19, 26-33, pl. vii; text-figs. 3, 4, 6, 7, 10.
Dollo, L. 1889 L, 416.
Flot, L. 1887 A, 137.

Frassetto, F. 1915 A, fig. 20.
Freund, L. 1905 A, 434.
Gervais, P. 1852 A, explan. pls. iv, v, vi (Metaxytherium or Halitherium).
1859 A, 277 (Halitherium).
Hay, O. P. 1922 B, 1.
Heilmann, G. 1913 A, 58.
Kellogg, R. 1924 C, 765.
1925 B, 57.
Lepsius, G. R. 1881 A.
Lydekker, R. 1887 A, 5 (Syn. of Halitherium).
Palmer, T. S. 1904 A, 418, 904 (Metaxytherium); 236, 904 (Dioplotherium).
Schmidtgen, O. 1912 A, 478.
Stromer, E. 1921 A, 41, 50.
Trouessart, E. L. 1905 A, 750 (Metaxitherium); 751 (Dioplotherium).
True, F. W. 1905 C, 835.
Van Oort, E. D. 1903 A, 98.
Weber and Abel 1928 A, 498, 502, fig. 331.
Zittel, K. A. 1893 B, 198, 202.
Zittel and Schlosser 1911 A, 542.
1923 A, 634.

Metaxytherium floridanum Hay.

Hay, O. P. 1922 B, 1, pl. i.
Allen, G. M. 1923 A, 233, pl. xxvi; text-fig. 1.
Hay, O. P. 1923 A, 379.
Kellogg, R. 1925 B, 59, 67, 68.
Matson, G. C. 1915 A, 37, pl. xii, figs. a, b ("manatee").
Zittel and Schlosser 1923 A, 634.
Miocene or Pliocene (Bone Valley); Florida.

Metaxytherium jordani Kellogg.

Kellogg, R. 1925 B, 59, pl. ix, fig. 3; pls. x, xi.
Weber and Abel 1928 A, 502.
Upper Miocene or Sarmatian; California.

Metaxytherium manigaultii (Cope).

Hay, O. P. 1902 A, 583 (Dioplotherium).
Allen, G. M. 1923 A, 231 (Diplotherium manigaulti).
1926 A, 458, pl. ii, figs. 3, 4; pl. iii, figs. 4, 5.
Kellogg, R. 1925 B, 59 (To Metaxytherium).
Manigault, G. E. 1886 A, 92 ("dugong").
Palacký, J. 1902 C, 254 (Diplotherium).
Stromer, E. 1921 A, 50 (D. menigaultii).
Upper Miocene; South Carolina.

Metaxytherium sp. indet.

True, F. W. 1906 A, 834, 840, pl. lxxvi, fig. 4 ("fossil sirenian." This genus?).
Middle Miocene (Calvert); Maryland.

Halitherium Kaup. Type *Halytherium dubium* Kaup.

Kaup, J. 1838, Neues Jahrb. Min., 319 (Halytherium, misprint).
Abel, O. 1902 B, 515.
1904 A, 4, figs. 1, 16, 20, 24, 25.
1905 D, 393.
1906 A, 51.
1908 B, 144.
1909 D, (224).
1909 E, (244).
1912 F, 192, 527.
1913 A, 292.
Andrews, C. W. 1902 A, 295.
1906 A, 201.
1924 A, 306.
Arldt, T. 1907 D, 265, 409.
Boas, J. E. V. 1914 B, 586.
Bronn, H. G. 1862 C, 416.
Brown, A. E. 1878 A, 292.
Capellini, G. 1886 A, 39.
Depéret and Roman 1920 A, 5, 33, 37, 45, 47, text-figs. 1-3, 8, 11, 13.
Dollo, L. 1889 L, 416, figs.
1892 D, 118.
Doran, A. H. G. 1878 A, 469.
Fitzinger, L. J. 1842 A, 61.
Flot, L. 1885 A, 439, fig.
1886 A, 483, pls. xxvi-xxviii.
1887 A, 136.
Flower, W. H. 1874 B, 1, pl. i.
Frassetto, F. 1915 A, fig. 19.
Freund, L. 1905 A, 434.
1914 A, 360.
Gaudry, A. 1884 A, 373, pl. xvii.
Gervais, P. 1852 A, 142.
1859 A, 277.
Giebel, C. G. 1855 A, 83.
Heilmann, G. 1913 A, 58.
Kaup, J. J. 1840 A, 675.
Kellogg, R. 1924 C, 759, 762.
Kingsley, J. S. 1884 A, 214.
Krauss, F. 1862 B, 385, pls. vi, vii.
Lartet, E. 1866 A, 678.
Lepsius, G. R. 1881 A, pls. i-x.
Matthew, W. D. 1915 H, 439.
1916 B, 24.
Owen, R. 1845 B, 372, pl. xcvii.
Palmer, T. S. 1904 A, 307, 904.
Pictet, F. J. 1853 A, 373.
Reynolds, S. H. 1897 A, 352, 425, 514, 518.
Ryder, J. 1887 B, 475.
Schmidtgen, O. 1911 A, 221.
1912 A, 457, pl. xxix; text-figs. 1, 2.
Stromer, E. 1921 A, 41, 47, 50.
1923 A, 259.
Toula, F. 1896 A, 919.
Trouessart, E. L. 1905 A, 749.
Van Oort, E. D. 1903 A, 95.
1905 A, 21.
Weber and Abel 1928 A, 484, 498, 503, figs. 314, 331, 332.
Wilder, B. 1875 A, 111.
Woodward, A. S. 1923 C, 69, fig. 65.
Zigno, A. 1887 A, 728, pl. xxvii.
Zittel and Schlosser 1911 A, 542.
1923 A, 634.

Halitherium antiquusm (Leidy).

Hay, O. P. 1902 A, 583 (Trichechus).
Allen, G. M. 1923 A, 232 (Manatus).
1926 A, 455, pl. ii, figs. 1, 2; pl. iii, figs. 1-3.
Hay, O. P. 1919 C, 109, 110, pl. xxvi, figs. 2, 3 (Trichechus. This species?).
1923 A, 363, 381.
Matson and Clapp 1909 A, 136 (Manatus).
Palacký, J. 1922 C, 255 (Manatus).

Spencer, J. W. 1895 A, 137 (Manatus).
Trouessart, E. L. 1905 A, 748 (Trichechus).
Tuomey, M. 1848 A, 165, 166 ("Manatus." This species?).
Miocene (Phosphate beds); South Carolina, Florida.

Halitherium inornatum (Leidy).

Hay, O. P. 1902 A, 584.
Allen, G. M. 1923 A, 232.

Tuomey, M. 1926 A, 457 (Syn? of H. antiquum).
Palacký, J. 1902 C, 255 (Manatus).
Miocene (Phosphate beds); South Carolina.

Halitherium sp. indet.

Lydekker, R. 1887 A, 12 (This genus?). Phosphate beds; South Carolina.
Van Beneden, P. J. 1880 A, 31. Miocene?; mouth of Potomac.

HEMICAULODON Cope. Type *H. effodiens* Cope.

Hay, O. P. 1902 A, 583.
Heilprin, A. 1887 A, 340.
Palmer, T. S. 1904 A, 316, 904.
Trouessart, E. L. 1904 A, 751.

Hemicaulodon effodiens Cope.

Hay, O. P. 1902 A, 583.
Allen, G. M. 1923 A, 231.
Kellogg, R. 1924 C, 757.
Rhoads, S. N. 1903 A, 246.
Eocene (Shark River); New Jersey.

HYDRODAMALIDÆ Palmer.

Hay, O. P. 1902 A, 584.
Arldt, T. 1912 A, 748.
Brandt, J. F. 1833 A, 115 (Rytineæ).
Elliot, D. G. 1901 A, 5.
Grevé, C. 1905 A, 145.
Matsumoto, H. 1918 B, 71 (Rhytinidæ).
Palmer, T. S. 1904 A, 746, 905.
Trouessart, E. L. 1905 A, 752.
Weber, M. 1904 A, 739.
Weber and Abel 1928 A, 495, 503 (Rhytinidæ).

HYDRODAMALIS Retzius. Type *H. gigas* (Zimmerman).

Hay, O. P. 1902 A, 584.
Abel, O. 1904 A, 138, 193, 218 (Rhytina).
1908 A, 479.
1913 A, 309 (Rhytina).
1913 B, 751 (Rhytina).
1914 A, 216 (Rhytina).
1920 A, 446.
Allen, G. M. 1923 A, 235.
Andrews, C. W. 1906 A, 201 (Rhytina).
Arldt, T. 1907 D, 38 (Rhytina).
Beddard, F. E. 1900 A, 319 (Rhytina).
1902 A, 338 (Rhytina).
Bonaparte, C. L. 1832 A, 293 (Stellerus).
Bonsdorff, E. J. 1871 A, 318 (Rhytina).
Brandt, J. F. 1833 A, 103 (Rytina).
1862 D, 612 (Rhytina).
Bronn, H. G. 1849 A, 703 (Rytina).
Capellini, G. 1886 A, 51 (Rhytina).
Cuvier, F. 1836 A, 38 (Rytina).
Depéret and Roman 1920 A, 23 (Rhytina).
Dollo, L. 1889 L, 416 (Rhytina).
1892 D, 118 (Rhytina).
Doran, A. H. G. 1878 A, 464.
Elliot, D. G. 1901 A, 5.
Fischer, J. B. 1829 A, 503 (Rytina).
Freund, L. 1913 A, 258 (Rhytina).
Giebel, C. G. 1855 A, 84 (Rhytine).
1883 A, pls. xxxvii, lvi, lxi, lxix, lxxxix (Rhytine).
Grevé, C. 1905 A, 145.
Hay, O. P. 1915 B, 386.
Heilprin, A. 1887 A, 340 (Rhytina).
Kampfen, P. N. 1905 A, 634 (Rhytina).
Kellogg, R. 1925 B, 57, 61.
Kingsley, J. S. 1884 A, 210 (Rhytina).
Kükenthal, W. 1897 B, 144 (Rhytina).
Lepsius, G. R. 1881 A.
Leunis and Ludwig 1883 A, 277 (Rhytina).
Leydig, F. 1859 A, 684, 698 (Rhytina).
Lorenz, L. 1904 A, 1-11 (Rhytina).
Matsumoto, H. 1918 B, 67, 68 (Rhytina).
Matthew, W. D. 1916 B, 27 (Rhytina).
Meckel, J. F. 1825 A (Rytina).
Owen, R. 1868 A, 906 (Rhytina).
Palmer, T. S. 1904 A, 335, 905.
Pander and Alton 1826 A, 8 (Rytina).
Reynolds, S. H. 1897 A, 553, fig. 92 (Rhytina).
Ryder, J. 1887 B, 475 (Rhytina).
Schlosser, M. 1911 A, 163 (Rhytina).
Stromer, E. 1921 A, 52 (Rhytina).
Taschenberg, O. 1899 A, 4672 (Rhytina).
Toldt, C. 1905 A, 337 (Rhytina).
Trouessart, E. L. 1905 A.
Van Oort, E. D. 1903 A, 97 (Rhytina).
Weber, M. 1904 A, 739 (Rhytina).
Weber and Abel 1928 A, 495, 503 (Rhytina).
Winge, H. 1906 A, 176 (Rhytina).
Zittel and Schlosser 1911 A, 542 (Rhytina).
1923 A, 635 (Rhytina).

Hydrodamalis gigas (Zimmerman).

Hay, O. P. 1902 A, 584.
Abel, O. 1902 A, 181 (Rhytina stelleri).
1902 B, 515 (Rhytina stelleri).
1904 A, 138, 196 (Rhytina).
1908 B, 146 (Rhytina).
1912 F, 193, 526 (Rhytina).
1923 A, 225 (Rhytina stelleri).
Beddard, F. E. 1900 A, 47 (Rhytina).
Brandt, J. F. 1833 A, 103, pl. ii (Rhytina stelleri).
Brown, A. E. 1878 A, 298 (Rhytina borealis).
Cuvier, F. 1836 A, 41-71, 376 (Rytina borealis).
Depéret, C. 1914 A, 1859 (Rhytina stelleri).
Depéret and Roman 1920 A, 4, 29, 48, text-figs. 1, 8 (Rhytina stelleri).
Dilg, C. 1909 A, 84 (Rhytina stelleri).
Dybowski, —— 1883 A, 72 (Rhytina stelleri).

Elliot, D. G. 1901 A, 5.
Fraas, E. 1905 B, 378 (Rhytina stelleri).
Gervais, P. 1859 A, 276 (Rhytina stelleri).
Grevé, C. 1905 A, 146, figs. 1-5 (H. stelleri).
1911 A, 37, fig. ("Steller's seekuh").
Kellogg, R. 1925 B, 58 (H. stelleri).
Kingsley, J. S. 1884 A, 211 (Rhytina stelleri).
Lankester, E. R. 1905 A, 20, figs. 13, 14 (Rhytina stelleri).
Lönnberg, E. 1907 A, 1, fig. 1 (Rhytina).
Lorenz, L. 1904 A, 7, pl. i, figs. 6, 7 (Rhytina).
1904 B, 142.
Lucas, F. A. 1916 B, 316, fig. ("rytina").
Lydekker, R. 1901 C, 253 (Rhytina).
McIntosh, —— 1911 A, 81 ("Rhytina").
Meunier, S. 1903 A, 772 (Rhytina stelleri).
Moreau, L. J. 1900 A, 109 (Rhytina stelleri).
Osborn, H. F. 1910 B, 494, 559 (Rhytina stelleri).
Osburn, R. C. 1903 A, 659 (Rhytina stelleri).
Palacký, J. 1902 C, 255 (Rhytine stelleri).
Pütter, A. 1923 A, 221 ("steller's seekuh").
Rousseau, L. F. E. 1856 A, 8 (Rytina borealis).
Schmidt, O. 1886 A, 243 (Rhytina stelleri).
Sclater, P. L. 1897 A, 351 (Rhytina stelleri).
Shufeldt, R. W. 1889 D, 35, fig. (Rhytina stelleri).
Woodward, A. S. 1923 C, 68, fig. 64.
Zigno, A. 1887 A, 732, pl. xxvii, fig. 5 (Rhytina borealis).

TRICHECHIDÆ Gill.

Unless otherwise indicated the authors, as quoted, use the name Manatidæ for this family.
Hay, O. P. 1902 A, 583 (Trichechidæ).
Abel, O. 1904 A, 200.
1907 G, 34 ("seekühe").
1913 B, 729, 751*a*.
1914 A, 122.
Arldt, T. 1907 D, 665.
1912 A, 703, 748.
Brandt, J. F. 1833 A, 114 (Halicoreæ).
Cleland, J. 1863 B, 302 (Manati).
Cuvier, G. 1825 A, v, pt. 1, 235-271, pls. xix, xx ("lamantins").
Dollo, L. 1889 L, 421.
Elliot, D. G. 1901 A, 5.
Gervais, P. 1853 B, 35 ("siréniens").
Gray, J. E. 1821 A, 309.
Leche, W. 1887 A ("seekühe").
Lobley, J. L. 1908 A, 109.
Matson and Sanford 1913 A, 146 ("manatees").
Matsumoto, H. 1918 B, 71.
Palmer, T. S. 1904 A, 774, 833 (Trichechidæ).
Pander and Alton 1826 A, 8 ("lamantine").
1827 A, 1 ("seekühe").
Trouessart, E. L. 1905 A, 748.
Wallace, A. R. 1876 A, II, 210.
Weber, M. 1904 A, 738.
Weber and Abel 1928 A, 503.
Winge, H. 1906 A, 71, 173 (Manatini).
Zittel and Schlosser 1911 A, 542.
1923 A, 634, 636.

TRICHECHUS Linnæus. Type *T. manatus* Linnæus.

Unless otherwise indicated the authors, as quoted, employ the name *Manatus* for this genus.
Hay, O. P. 1902 A, 583 (Trichechus).
Abel, O. 1904 A, 138, 200, 204.
1908 A, 479 (Manatus, Trichechus).
1908 B, 147.
1908 G, (43).
1909 D, (225).
1912 F, 684.
1913 A, 309.
1920 A, 445.
1921 A, 302.
Adloff, P. 1903 A, 367.
1910 B, 246.
Aichel, O. 1918 A, 502.
1918 B, 1-109, pls. iv, v.
1926 A, 43.
Albrecht, P. 1883 B, 35.
Ameghino, F. 1904 B, 51.
1906 A, 407 (Trichechus).
Anderson, R. J. 1909 A, 745.
Andrews, C. W. 1902 A, 293.
1906 A, 201.
Arldt, T. 1907 C, 674.
1907 D, 154.
Beddard, F. E. 1902 A, 335.
Beyer, H. 1908 A, 82 ("seekuh").
Bolk, L. 1913 A, 89.
Bonaparte, C. L. 1832 A, 293.
Brandt, J. F. 1833 A, 115.
Bronn, H. G. 1848 A, 700.
Bronn, H. G. 1849 A, 703.
Broom, R. 1901 B, 739 ("manati").
Brown, A. E. 1878 A, 292.
Carnot, A. 1892 A, 1190, 1191 ("lamantin").
Cuvier, F. 1836 A, 6.
Cuvier, G. 1805 A.
1825 A, v, pt. 1, 242-253, pl. xix ("lamantins").
Dependorf, T. 1898 A, 393, 397.
1907 A, 560.
Dilg, C. 1909 A, 85.
Dollo, L. 1889 L, 416.
1892 D, 118.
Doran, A. H. G. 1878 A, 468, pl. lxiii.
Eimer, G. H. T. 1901 A, 259.
Elliot, D. G. 1901 A, 5.
Fisher, J. B. 1829 A, 501.
Fitzinger, L. J. 1842 A, 66.
Flower, W. H. 1874 B, 2.
Fraas, E. 1905 B, 378.
Freund, L. 1904 A, 372.
1905 A, 434.
1908 A.
1911 A, 385.
1912 A, 557.
1913 A, 258.
1914 A, 360.
Giebel, C. G. 1855 A, 83.
1883 A, pls. xxxvi, lxvi.
Gill, T. 1907 A, 494 (Trichechus).
Gottlieb, H. 1914 A, 212.
Gregory, W. K. 1920 A, 182.

Grobben, K. 1904 A, 142.
Gudernatsch, J. F. 1909 A, 225.
Hanson, F. B. 1919 B, 81.
Hay, O. P. 1915 B, 385 (Trichechus).
1922 G, 392.
Heilmann, G. 1914 A, 90.
Heilprin, A. 1887 A, 339, 340 ("manatee").
Hennicke, C. 1902 A, 160.
Hogben, L. T. 1919 A, 76.
Howes and Harrison 1893 A, 790.
Humboldt, A. 1838 A, 1.
Humphreys, J. 1908 A, 8 ("manatee").
Kampfen, P. N. 1905 A, 633, fig. 82.
Kehrer, F. A. 1896 A, 357, fig. 40.
Kellogg, R. 1925 B, 64.
Kingsley, J. S. 1884 A, 210.
1925 A, 219, fig. 230.
Köstlin, O. 1844 A.
Krauss, F. 1862 B, 389.
Kükenthal, W. 1897 B, 140.
1897 C, 182.
1913 A, 684.
Leche, W. 1887 A, pl. xciv.
1900 A, 1000.
Leunis and Ludwig 1883 A, 276.
Leydig, F. 1859 A, 684.
Lorenz, L. 1904 A, 9.
Marcus, H. 1921 A, 571, pls. xviii, xix.
Martins, C. 1857 A, 69 ("lamantins").
Matsumoto, H. 1918 B, 67, 68.
1923 A, 107, 111.
Matthes, E. 1912 B, 489.
1921 B, 142.
1921 C, 116.
Matthew, W. D. 1915 A, 256.
1916 B, 24.
Meckel, J. F. 1825 A.
Miller, G. S. 1924 C, 503.
Osborn, H. F. 1907 G, 189, fig. 19 (Trichechus).
1910 B, 445, 559.
Owen, R. 1868 A, 892.
Palmer, T. S. 1904 A, 688, 834 (Trichechus).
Peters, W. 1872 A, 15 (Trichechus).
Pocock, R. I. 1916 G, 547.
Pohle, H. 1921 A, 116.
Reynolds, S. H. 1897 A, 546.
Rogenhofer, A. 1908 A, (43).
Rousseau, L. F. E. 1856 A, 2.
Scharff, R. F. 1911 A, 279, 360 (Trichechus).
Schlosser, M. 1911 A, 163.
Schmidt, O. 1886 A, 242.
Sclater, P. L. 1897 A, 351.
Scott, W. B. 1913 A, 442.
Seeley, H. G. 1876 C, 177.
Stannius, H. 1846 B, 2 pls. ("manati").
Stromer, E. 1921 A, 51.
Terra, P. 1911 A, 340.
Tomes, C. S. 1878 A, 34 ("manatee").
Trouessart, E. L. 1905 A, 748.
Van Oort, E. D. 1903 A, 95.
Vicq-d'Azyr, F. 1792 A, cvii (Manatini).
Wagner, R. 1843 A.
Wallace, A. R. 1876 A I, 130; II, 210.
Weber, M. 1904 A, 738.
Weber and Abel 1928 A, 483, 495, figs. 313, 315, 318, 322.
Weber and Burlet 1927 A, 143, 237.
Wilder, B. 1875 A, 111.
Winge, H. 1906 A, 176.
Wright, G. F. 1911 B, 436 ("sea-cow").
Zittel and Schlosser 1911 A, 542.
1923 A, 634.

Trichechus? giganteus (DeKay).

DeKay, J. C. 1842 C, 123 (Manatus).
Allen, G. M. 1923 A, 231 (Manatus).
Case, E. C. 1904 D, 56, pl. xxvi, fig. 1.
Palmer, W. 1917 A, 120 (Hydrodomalis sp.).
Shattuck, G. B. 1904 A, xciv.
Trouessart, E. L. 1905 A, 748.
Upper Miocene (Calvert); Maryland.
The type of this species may belong to a cetacean.

Trichechus latirostris Harlan.

Harlan, R. 1823, Jour. Acad. Nat. Sci. Phil., III, 394.
Hay, O. P. 1902 A, 584 (T. manatus).
Abel, O. 1904 A, 138, 146, 149, 172, 191, pl. iv, figs. 1*a*, 1*b*; pl. vii, figs. 6-10; text-figs. 14, 15 (Manatus latirostris).
1907 G, 9, 31, figs. 6, 24 (Manatus americanus).
1908 A, 494, fig. 24 (M. latirostris).
1908 E, 403 (M. latirostris).
1912 F, 114, 193 (M. latirostris).
Anderson, R. J. 1898 A, 765 ("manatee").
1908 A, 547 ("manatee").
Beddard, F. E. 1897 B, 47 (Manatus).
1900 A, 317 ("manatee").
Brown, A. E. 1898 A, 293 (M. latirostris).
Camerano, L. 1915 A, 6, pl. iii, fig. 5 (T. manatus).
Chapman, H. C. 1875 A, 452 ("manatee").
Conklin, W. A. 1873 A, 166 (M. latirostris).
Crane, A. 1881 A, 456, fig. (M. americanus).
Cuvier, F. 1836 A, 7, pls. i-iii (M. americanus).
Dart, R. A. 1923 A, 620 (T. manatus).
Dilg, C. 1909 A, 85 (M. latirostris).
Elliot, D. G. 1901 A, 6, pl. iii (M. latirostris).
Fischer, J. B. 1829 A, 502 (Manatus latirostris).
Gudernatsch, J. F. 1909 A, 225, figs. A-C (M. latirostris).
Hay, O. P. 1923 A, 376 (T. manatus).
Kingsley, J. S. 1884 A, 212.
Kükenthal, W. 1897 B, 140 (T. latirostris).
Lorenz, L. 1904 A, 9, pl. i, figs. 8, 9 (T. manatus).
1904 B, 143 (T. manatus).
Lucas, F. A. 1916 B, 318 ("manatee").
Matthes, E. 1912 B, 489 (M. latirostris).
Miller, G. S. 1924 C, 503 (T. latirostris).
Murie, J. 1880 A, 19, pls. v-ix (M. americanus).
Oswald, F. 1911 A, 410 (M. americanus).
Pander and Alton 1826 A, 9 (Manatus).
1827 A, 1 ("lamantin").
Reche, O. 1905 B, 243 (M. americanus).
Ryder, J. 1887 B, 475 ("manatee").
Sellards, E. H. 1916 B, 104 (T. manatus).
Thomas and Lydekker 1898 A, 814 ("manatee").
Wilder, B. 1875 A, 105 ("manatee").
Recent; eastern coast of Florida: Pleistocene and possibly earlier; Florida.
Some of the citations to T. latirostris may refer to the West Indian species.

Trichechus sp. indet.

Hay, O. P. 1902 A, 584.
Rhoads, S. N. 1903 A, 246.

Order NOTOUNGULATA Roth.

Roth, S. 1903 A, 11, 12.
Ameghino, F. 1893 A, 276 (Toxodontia).
Gregory, W. K. 1910 A, 370, 383, 448, 466.
Hennig, E. 1921 A, 260 (Notungulata).
Lydekker, R. 1893 D, pt. 3, 2 (Toxodontia).
Matthew, W. D. 1910 G, 152.
1915 F, 429.
1928 B, 977.
Matthew and Granger 1925 A, 2 (Notungulata).
Osborn, H. F. 1907 G, 16 (Notungulata).
Osborn, H. F. 1907 H, 613 (Notungulata).
1910 B, 560.
Scott, W. B. 1896 C, 308 (Toxodontia).
1912 A, 287 (Toxodontia).
Weber, M. 1904 A, 702 (Toxodontia).
Weber and Abel 1928 A, 422, 504.
Woodward, A. S. 1898 B, 307 (Ancylopoda).
Zittel, K. A. 1890 A, 474 (Toxodontia).
Zittel and Schlosser 1911 A, 511.
1923 A, 603, 636.

Suborder ENTELONYCHIA Ameghino.

Ameghino, F. 1893 A, 312.
Matthew, W. D. 1915 F, 429.
1921 D, 214.
Scott, W. B. 1912 A, 239.
Scott, W. B. 1913 A, 482, 680.
Weber and Abel 1928 A, 509.
Zittel and Schlosser 1911 A, 521.
1923 A, 613.

ARCTOSTYLOPIDÆ Schlosser.

Schlosser, M. 1923 in Zittel and Schlosser 1923 A, 614.
Matthew, W. D. 1915 F, 429 (Isotemnidæ).
Matthew and Granger 1925 A, 2, 5.
Weber and Abel 1928 A, 540.

ARCTOSTYLOPS Matthew.

Matthew, W. D. 1915 F, 429.
1916 I, 109.
1921 D, 214.
1928 B, 977, 983.
Matthew and Granger 1925 A, 2, 4.
Zittel and Schlosser 1923 A, 605, 614, 666, 684.

Type *A. steini* Matthew.

Arctostylops steini Matthew.

Matthew, W. D. 1915 F, 429, pl. xv; text-figs. 1-3.
1914 K, 167 ("notungulate").
1928 B, 960.
Weber and Abel 1928 A, 510, fig. 342.
Zittel and Schlosser 1923 A, 614, fig. 758.
Lower Eocene (Wasatch); Wyoming.

Order ANCYLOPODA Cope.

Hay, O. P. 1902 A, 690.
Abel, O. 1912 F, 388.
1913 B, 730, 755a.
1914 A, 122.
1919 A, 868.
1920 A, 453.
1920 B, 23.
Ameghino, F. 1897 B, 261.
1901 A, 406.
1902 B, 10 ("ancylopodos").
1905 C, 381 ("ancilopodos").
Andrews, C. W. 1923 B, 1095.
Arldt, T. 1907 D, 619.
Beddard, F. E. 1902 A, 211.
Cope, E. D. 1891 N, 67, 76, 90.
Gregory, W. K. 1910 A, 99, 351, 397.
Howes, G. B. 1902 A, 523.
Kampfen, P. N. 1905 A, 627.
Koken, E. 1901 B, 224.
Major, C. J. F. 1899 B, 64.
Matthew, W. D. 1910 G, 152.
Osborn, H. F. 1893 M, 95 (Ord. Ancylopoda; subord. Perissonychidæ).
1902 E, 356, fig. 1.
1907 G, 15, 184.
1910 B, 68, 558.
1913 B, 264.
1925 B, 18.
Palacký, J. 1902 A, 3.
Pilgrim, G. E. 1913 A, 298.
Scott, W. B. 1913 A, 224, 238, 291, 353, 675.
Trouessart, E. L. 1905 A, 587.
Weber, M. 1904 A, 588, 694.
Weber and Abel 1928 A, 426, 626, 686.
Woodward, A. S. 1904 B, 159.
Zittel and Schlosser 1923 A, 613.

Superfamily CHALICOTHERIOIDÆ, new name.

The authors, as quoted, use the name Chalicotherioidea.
Hay, O. P. 1902 A, 690.
Abel, O. 1920 B, 23.
Case, E. C. 1898 C, 833.
1899 B, 168.
Gill T. 1872 B, 71.
Gregory, W. K. 1910 A, 397.
1920 A, 247.
Holland and Peterson 1913 A, 198.
Merriam, J. C. 1914 E, 818.
Osborn, H. F. 1913 B, 264.
Peterson, O. A. 1907 A, 733.
Schlosser, M. 1901 B, 300.
Weber and Abel 1928 A, 688.

CHALICOTHERIIDÆ Gill.

Hay, O. P. 1902 A, 690.
Abel, O. 1912 F, 645 ("chalicotheriden").
1913 B, 730, 755a.
1914 A, 148, 286.
1920 A, 453 ("chalicotheriiden").
1921 A, 284 ("chalicotheriiden").
1922 C, 270.
Ameghino, F. 1893 B, 442.
1893 D, 14.
Arldt, T. 1907 D, 645 (Chalicotheridæ).
1912 A, 700, 746 (Chalicotheridæ).
Cope, E. D. 1880 U, 152.
Depéret, C. 1892 A, 61 ("chalicothéridés").
1906 B, 1122 ("chalicothéridés").
1907 B ("chalicothéridés").
1908 A, 303.
1912 A, 707 ("chalicothéridés").
Lydekker, R. 1915 C, 622.
Matthew, W. D. 1909 C, 104, 108, 111, 113, 115, 119.
1924 C, 152.
1926 C, 168, 169, fig. 26 ("chalicotheres").
Matthew, W. D. 1928 B, 968, 979, fig. 15 ("chalicotheres").
O'Harra, C. C. 1920 A, 96.
Osborn, H. F. 1905 H, 218.
1905 I, 107.
1909 D, 80, 123.
1910 B, 610.
Palacký, J. 1902 A, 3 ("chalicotherien").
1903 B, 311, 313 ("chalicotheriden").
Reynolds, S. H. 1897 A, 509, 519.
Sauvage, H. E. 1882 A, 105.
Schlosser, M. 1902 J, 257 ("chalicotheriiden").
Scott, W. B. 1913 A, 291, 354, 678.
1916 A, 117 ("chalicotheres").
Seeley, H. G. 1886 A, 476.
Trouessart, E. L. 1905 A, 595 (Chalicotheridæ).
Weber, M. 1904 A, 585.
Weber and Abel 1928 A, 426.
Weber and Burlet 1927 A, 136.
Winge, H. 1906 A, 71, 155 (Chalicotheriini).
Zittel and Schlosser 1911 A, 467.
1923 A, 554, 602.

MACROTHERIINÆ Holland and Peterson.

Holland and Peterson 1913 A, 202.
Winge, H. 1906 A, 71, 155 (Chalicotheriini).
Zittel and Schlosser 1923 A, 555.

CHALICOTHERIUM Kaup. Type *C. goldfussi* Kaup.

Hay, O. P. 1902 A, 691.
Abel, O. 1912 F, 388, 389.
1920 B, 23-60, figs. 3, 5, 7, 10-12.
1921 A, 282, 290, figs. 105-108.
1922 C, 119, figs. 108-111.
1926 B, 359.
Arldt, T. 1907 D, 203, 253.
Barbour, E. H. 1906 C, 781.
Beddard, F. E. 1902 A, 211.
Bronn, H. G. 1848 A, 282.
1849 A, 706.
Case, E. C. 1899 B, 168.
Depéret, C. 1892 A, 61.
1907 B.
Dollo, L. 1889 C, 680.
Falconer, H. 1844 A, 239.
1868 A, 1, 192, 208, 221.
Falconer and Murchison 1852 A, 91.
1867 A, 103.
Filhol, H. 1879 A, 206.
Gaudry, A. 1891 C, 89.
Gervais, P. 1859 A, 169.
Giebel, C. G. 1855 A, 69.
Heilprin, A. 1887 A, 372.
Hoernes, R. 1886 A, 669.
Koken, E. 1901 B, 223.
Lambe, L. M. 1904 C, 29.
1905 D, 370 A.
Lemoine, V. 1889 A, 259.
Matthew, W. D. 1928 B, 979, fig. 15.
Merriam, J. C. 1907 A, 381.
Osborn, H. F. 1893 M, 95.
Osborn, H. F. 1905 H, 201.
1907 G, 87, 184.
1910 B, 216, 357, 558.
Palmer, T. S. 1904 A, 178, 909.
Pictet, F. J. 1853 A, 337.
Reynolds, S. H. 1897 A, 360, 432, 508, 525, fig. 106.
Sauvage, H. E. 1882 A, 106.
Schlosser, M. 1883 B, 160.
1883 D, 164.
1903 I, 75, 181, 209, 211, 219.
Scott, W. B. 1896 D, 50.
1913 A, 354.
Trouessart, E. L. 1905 A, 596.
Weber, M. 1904 A, 694.
Weber and Abel 1928 A, xviii, 686, 688, fig. 477.
Zittel and Schlosser 1911 A, 468.
1923 A, 555, fig. 690.

Chalicotherium bilobatum Cope.

Hay, O. P. 1902 A, 691.
Lambe, L. M. 1904 C, 29, 38, 51.
1905 D, 370 A.
1908 A, 11, 54, pl. iii, figs. 7-9.
Matthew, W. D. 1909 C, 104 (This genus?).
Palacký, J. 1902 A, 3.
Peterson, O. A. 1906 C, 62.
Lower Oligocene (White River); Canada.

Chalicotherium sp. indet.

Peterson, O. A. 1928 A, 110, fig. 20 (This genus?).
Miocene or Pliocene (Brown's Park); Colorado.

MOROPODIDÆ Marsh.

Marsh, O. C. 1877 D, 249.
Holland and Peterson 1913 A, 221.

MOROPODINÆ Holland and Peterson.

Holland and Peterson 1913 A, 201, 202, 206.
Abel, O. 1920 B, 47.
Zittel and Schlosser 1923 A, 554.

MOROPUS Marsh. Type *M. distans* Marsh.

Hay, O. P. 1902 A, 691.
Abel, O. 1920 B, 28.
1921 A, 282, 290.
1926 B, 359, 373, 452.
Barbour, E. H. 1908 A, 209.
1908 B, pls. iii, iv, vi-ix.
Beddard, F. E. 1902 A, 211.
Christman, E. S. 1921 A, 623.
Cooper, C. F. 1920 A, 357.
Eastman, C. R. 1914 B, 689.
1915 C, 658.
Gregory, W. K. 1910 A, 397.
1920 A, 195.
Haug, E. 1911 A, 1705.
Heilprin, A. 1887 A, 338.
Hoernes, R. 1886 A, 664.
Holland and Peterson 1913 A, 272, 4 text-figs.
Lee, Stone, Gale 1915 A, 34, pl. vi.
Matthew, W. D. 1901 B, 374.
1909 C, 111, 113, 119.
1913 C, 287.
1914 L, 269.
1917 A, 576.
1918 F, 121.
1923 C, 408.
1924 E, 748.
1928 B, 979, fig. 15.
Merriam, J. C. 1911 B, 207, 208, 215.
Moodie, R. L. 1923 B, 126, fig. 10, pl. xxii.
Osborn, H. F. 1907 F, 872.
1909 D, 72, 74.
1910 B, 224, 230, 235, 286, 558.
1912 G, 246-249.
1918 A, 16.
1918 B, 131.
1919 C, 250.
Palacký, J. 1902 A, 3.
1903 B, 311.
Palmer, T. S. 1904 A, 432, 909.
Peterson, O. A. 1906 C, 60.
1907 A, 734.
Schlosser, M. 1899 U, 461.
Schmidt, O. 1886 A, 125.
Schuchert and Levene 1927 A, 338, fig.
Scott, W. B. 1913 A, 238, 356, fig. 185.
Sternberg, C. H. 1917 A, 21 (Morophus).
Trouessart, E. L. 1905 A, 596.
Weber and Abel 1928 A, 687, fig. 475.
Zittel and Schlosser 1911 A, 468.
1923 A, 555, 672.

Moropus distans Marsh.

Hay, O. P. 1902 A, 691.
Holland and Peterson 1913 A, 207, 217, 221, 1 fig.
Matthew, W. D. 1909 C, 108.
Merriam, J. C. 1911 B, 271.
Merriam and Sinclair 1907 A, 186.
Peterson, O. A. 1906 B, 491.
1907 A, 734, figs. 1-4.
Sinclair, W. J. 1906 A, 66.
Upper Oligocene (John Day); Oregon.

Moropus elatus Marsh.

Hay, O. P. 1902 A, 691.
Abel, O. 1919 A, 872, figs. 668, 669.
1920 B, 28, 39, figs. 1, 9, 11.
1925 A, 63, fig. 41.
1926 B, 376, figs. 243, 452.
Anonymous 1910 A, 137.
Barbour, E. H. 1908 A, 215 (M. elatus); 211, 215, pls. i, ii; text-figs. 1-5 (M. cooki).
1908 B, pls. i, ii, v, x, xi (M. cooki).
1909 A, 252 (M. cooki).
Cockerell, T. D. A. 1923 D, 271 (M. cooki, M. elatus).
Cook, H. J. 1912 D, 41, 42 (M. elatus?, M. cooki).
Cooper, C. F. 1920 A, 359.
Eastman, C. R. 1912 C, 658.
Figgins, J. D. 1924 A, 16, fig. ("Moropus").
Holland, W. J. 1908 F, 809, fig. 2.
Holland and Peterson 1913 A, 206, 217, 222, pls. xlviii-l, lii-lxxvii; 77 text-figs.; 223 (M. elatus a syn.).
Matthew, W. D. 1909 C, 113 (This species?).
1923 D, 359, figs. 7, 11.
Moodie, R. L. 1923 B, 134, fig. 9.
O'Harra, C. C. 1920 A, 98, 156, pls. xvii, xxxii (M. enatus); 97, 156, pl. xxxi; text-fig. 39 (M. cooki).
Osborn, H. F. 1918 B, 131 (M. cooki).
1919 C, 251, fig. 1 (M. cooki).
Palacký, J. 1903 B, 317.
Peterson, O. A. 1906 C, 46, 60.
1907 A, 734, figs. 6-26.
1913 A, 673.
Scott, W. B. 1913 A, 240, fig. 130.
Weber and Abel 1928 A, xviii, 686, 688, fig. 477.
Zittel and Schlosser 1923 A, 555, fig. 689.
Middle Miocene (Harrison); Nebraska.

Moropus hollandi Peterson.

Peterson, O. A. 1913 A, 673.
Holland and Peterson 1913 A, 217, 232, 3 figs.
O'Harra, C. C. 1920 A, 156.
Middle Miocene (Harrison); Nebraska.

Moropus matthewi Holland and Peterson.

Holland and Peterson 1913 A, 217, 230.
Matthew, W. D. 1924 C, 153 ("Moropus").
O'Harra, C. C. 1920 A, 156.
Middle Miocene; Colorado.

Moropus maximus Holland and Peterson.

Holland and Peterson 1913 A, 217, 230, 1 fig. (This genus?).
Lower Miocene (Harrison); Nebraska.

Moropus maximus Holland and Peterson.

Holland and Peterson 1913 A, 217, 234.
Matthew, W. D. 1924 C, 153 ("Moropus").
Middle Miocene (Virgin Valley); California.

Moropus oregonensis Leidy.

Leidy, J. 1873 B, pl. ii, fig. 1 (Lophiodon).
Holland and Peterson 1913 A, 217, 219, fig. 5.
Matthew, W. D. 1909 C, 108.
Miocene (Bridge Creek); Oregon.

Moropus parvus Barbour.

Barbour, E. H. 1908 B, 222, text-fig. 5.
1909 A, 252.
Cook, H. J. 1912 D, 41.
Miocene (Harrison); Nebraska.

Moropus petersoni Holland.

Holland, W. J. 1908 F, 809, fig. 1.
Cook, H. J. 1912 D, 41.
Holland and Peterson 1913 A, 217, 226, 249, pl. li; 24 text-figs.
O'Harra, C. C. 1920 A, 156.
Miocene (Harrison); Nebraska.

Moropus senex Marsh.

Hay, O. P. 1902 A, 691.
Holland and Peterson 1913 A, 206, 217, 222, 1 fig.
Matthew, W. D. 1909 C, 108.
Merriam, J. C. 1911 B, 271.
Merriam and Sinclair 1907 A, 186.
Peterson, O. A. 1907 A, 734, fig. 5.
Sinclair, W. J. 1906 A, 66.
Oligocene (John Day); Oregon.

Moropus sp. indet.

Buwalda, J. P. 1916 A, 77. Mohave desert; California.
Loomis, F. B. 1923 A, 222. Miocene (Harrison); Nebraska.
Matthew, W. D. 1901 B, 358.
1909 C, 115. Middle Miocene; Colorado.
Merriam, J. C. 1911 B, 205, 267, figs. 39-45 (This genus?). Miocene (Virgin Valley); Nevada.
Osborn, H. F. 1913 B, 263, figs. 2, 3*c* (This genus?).

Order PERISSODACTYLA Owen.

Hay, O. P. 1902 A, 607.
Abel, O. 1912 D, 604 ("mesaxonier").
1912 F, 232 ("mesaxonier").
1913 B, 729, 752b.
1914 A, 122, 150, 234.
1919 A, 853.
1920 A, 449.
1924 B, 18 ("perissodactylen").
1926 B, 398 ("perissodactylen").
Ameghino, F. 1889 A, 1022.
1897 B, 262 ("périssodactyles").
1906 A, 300 ("périssodactyles").
1912 B, 172 ("périssodactyles").
Arldt, T. 1907 D, 672.
Bayer, F. 1897 A, 147 ("périssodactyles").
Beddard, F. E. 1902 A, 235.
Behlen, H. 1906 A ("unpaarhufer").
Bensley, B. A. 1901 C, 252.
Bertelli, D. 1909 A, 162 ("perissodattili").
Black, D. 1915 A, 353.
Blainville, H. M. D. 1819 A, 41 ("groupe à système de doigts impairs").
Boas, J. E. V. 1884 B, 392 ("perissodactylen").
1914 B, 577, 595 ("perissodactylen").
Branca, W. 1907 A, 9 ("perissodactylen").
Broom, R. 1915 A, 162.
Brown, A. E. 1904 B, 55.
Burmeister, H. 1879 B, 474 (Imparidigitata).
Carus, V. 1875 A, 156.
Clark and Sonntag 1926 A.
Cope, E. D. 1885 BB, 72.
1891 N, 84, 89, 90.
Depéret, C. 1904 B, 43 ("imparidigités").
1907 B ("imparidigités").
1912 A, 710 ("perissodactyls").
Doran, A. H. G. 1878 A, 419.
Eimer, G. H. T. 1901 A, 257.
Fairchild, H. L. 1894 A, 207, 208.
Fischer, E. 1903 A, 713 ("perissodactylen").
Flower, W. H. 1873 B, 95 ("perissodactyles").
1892 A, 13.
Frassetto, F. 1915 A ("perissodattili").
Freund, L. 1906 A, 115 ("einhufer").
1911 A, 386.
Gaudry, A. 1908 A, 1133 ("perissodactyles").
Gaupp, E. 1905 D, 1037.
1913 A, 125.
Gidley, J. W. 1912 B, 179.
Giebel, C. G. 1883 A ("einhufer").
Gregory, W. K. 1910 A, 347, 385, 387-397, 450, 457 (Perissodactyla); 466 (Mesaxonia).
1912 F, 290 ("perissodactyls").
1914 D, 294.
1916 A, 248 ("perissodactyls").
1920 A, 193, 243, 247.
1927 J, 443 ("perissodactyls").
Haeckel, E. 1868 A, 475.
1873 A, 544, 554.
Hasse and Schwarck 1870 A, 129 (Solidungula).
Hay, O. P. 1912 D, 580.
1914 A, 143.
Heilprin, A. 1887 A, 368.
Hensel, R. 1879 A, 529 ("einhufer").
Hescheler, K. 1906 A, 31 ("unpaarhufer").
Hilzheimer, M. 1913 A, 567 ("unpaarhufer").
Hoernes, R. 1886 A, 665.
Hogben, L. T. 1919 A, 75 ("perissodactyls").
Huxley, T. H. 1863 E, 555.
1870 F, 527.
1880 E, 460 (Perissodactyla).
Jaekel, O. 1911 A, 241 (Mesodactyli).
Kampfen, P. N. 1905 A, 573.
Keuchenius, P. E. 1913 A, 449.
Kingsley, J. S. 1925 A, 214, 297, fig. 320.
Knottnerus-Meyer, T. 1907 A, 4, 96, 101.
Koken, E. 1893 B, 482, 500 ("unpaarhufer").
Kraglievich, L. 1926 C, 75.
Kükenthal, W. 1913 A, 682.

Leche, W. 1887 A.
Leunis and Ludwig 1883 A, 267.
Lull, R. S. 1904 C, 2.
1917 B, 295.
Lydekker, R. 1907 B, 4.
1916 A, 1.
Major, C. J. F. 1880 A, 22, 36 (Imparidigitata).
1899 B, 62.
Matthew, W. D. 1906 B, 361 ("perissodactyls").
1909 C, 133.
1909 D, 301, 309, 333, 549.
1910 G, 152 ("perissodactyls").
1912 A, 159.
1915 A, 234, fig. 16.
1915 K, 448 ("perissodactyls").
1917 A, 573.
1921 D, 214.
1926 C, 169 ("perissodactyls").
1928 B, 948, 960, 963, 979.
Mead, C. S. 1906 A, 481.
Meckel, F. 1809 A, tab. 1 (Solipeda).
1823 A, 1 ("einhufer").
Mitchell, P. C. 1905 A, 476.
O'Harra, C. C. 1920 A, 90 ("perissodactyls").
Osborn, H. F. 1902 E, 356, fig. 1.
1905 H, 214, fig. 2.
1905 I, 99.
1905 N, 242.
1907 G, 15, 72, 76, 174.
1909 D, 133.
1910 B, 627.
1918 C, 133.
1925 B, 18.
1925 C, 750.
Owen, R. 1857 E.
1858 A, 27.
1868 A, 898.
Palacký, J. 1903 B, 305.
Parker and Haswell 1897 A, 452, 505.
Perna, G. 1906 A, 122.
Perrier, E. 1920 A, 354 ("périssodactyles").
Pictet, F. J. 1853 A, 294 ("périssodactyles").
Puccioni, N. 1908 A, 41 ("perissodattili").
Rehs, J. 1914 A, 2, 46.
Reynolds, S. H. 1897 A, 487, 550.
Rosenberg, A. 1873 A, 132.
Schlosser, M. 1898 B, 360.
1903 I, 179.
1905 A, 324.
1911 A, 165 ("perissodactylen").
Schmidt, O. 1886 A, 127, 135, 189.
Schwarz, E. 1924 A, 421 ("perissodactyls").
Scott, W. B. 1896 D, 47, 57 ("perissodactyls").
1913 A, 234, 255, 266, 270, 275, 280, 288, 514, 687 (Perissodactyla); 60, 290 (Chelodactyla).
1916 A, 116.
1928 B, 257.
Seeley, H. G. 1878 A, 224.
1886 A, 466, 474.
Sefve, I. 1913 A, 362 ("mesaxonier").
1914 A, 240 ("perissodactylen").
Stehlin, H. G. 1905 A, 566 ("perissodactylen".)
1916 B, 1531 ("perissodactylen").
Steinmann, G. 1907 A, 487.
Stromer, E. 1912 A, 204, 244 (Mesaxonia).
1916 A, 404, 413.
Taschenberg, O. 1899 A, 4434.
Terra, P. 1911 A, 308.
Thacker, A. G. 1922 A, 600, 603.
Tornier, G. 1888 A, 299 ("perissodactylen").
1894 B, 103 ("perissodactylen").
Trouessart, E. L. 1905 A, 604.
Van Bemmelen, J. F. 1918 A, 572 ("perissodactyles").
Wallace, A. R. 1876 A, I, 135.
Weber, M. 1904 A, 588, 591 (Diplarthra, in part; Mesaxonia); 597 (Perissodactyla).
Weber and Abel 1928 A, 426, 626, 631, 649, 658, 892.
Weber and Burlet 1927 A.
Wilder, B. 1872 B, 320.
Winge, H. 1906 A, 71.
Woodward, A. S. 1898 D, 335.
1916 A, lxix ("perissodactyls").
Woodward, H. 1904 B, 159.
Wright, R. R. 1883 A, 235.
Zittel and Schlosser 1911 A, 444.
1923 A, 528, 669.

Superfamily EQUOIDÆ, new form.

Hay, O. P. 1902 A, 608 (Equoidea).
Arloing, S. 1867 A, 72 ("solipèdes").
Bonaparte, C. L. 1832 A, 292 (Solidungula).
Burmeister, H. 1879 B, 475 (Solidungula).
Carus and Engelmann 1861 A, 1297 (Solipeda).
Case, E. C. 1898 C, 833 (Hippoidea).
1899 B, 163 (Hippoidea).
Cope, E. D. 1891 N, 86 (Equoidea).
Flower, W. H. 1873 B, 96 (Solidungula).
Gidley, J. W. 1912 B, 179 (Hippoidea).
Gregory, W. K. 1920 A, 247 (Hippoidea).
Hay, O. P. 1914 A, 145 (Equoidea).
Osborn, H. F. 1910 B, 555 (Hippoidea).
Owen, R. 1857 E (Solidungula).
Schlosser, M. 1901 B, 300 (Hippoidea).
Trouessart, E. L. 1905 A, 635 (Hippoidea).
Weber, M. 1904 A, 614, 619 (Hippoidea); 612 (Solidungala).
Weber and Abel 1928 A, 426, 674 (Hippoidea).
Weber and Burlet 1927 A, xv (Hippoidea).
Winge, H. 1906 A, 70, 143, 151 (Equidæ).

EQUIDÆ Gray.

The writer is indebted to Dr. W. D. Matthew for the arrangement of the Equidæ here adopted.

Gray, J. E. 1821 A, 307.
Hay, O. P. 1902 A, 608.
Abel, O. 1902 B, 516 ("equiden").
1904 B, 741 ("equiden").
1910 B, (186) ("pferde").
1912 F, 232 ("pferde").
1913 B, 730, 753b.
1914 A, 244.
1919 A, 860.
1920 A, 451.
1921 A, 181, 252, 261 ("pferde")
1926 B, 443.

Abel, O. 1926 D, 63 ("equiden").
1926 H, (159) ("equiden").
1928 B, 1-102.
Adloff, P. 1903 A, 359 ("pferde")
Ameghino, F. 1889 A, 1012.
1893 B, 442.
1893 D, 15.
1904 C, 37.
1906 A, 285.
1912 B, 170 ("equides").
Anderson, R. J. 1911 A, 639.
1912 D, 253.
1912 E, 907.
Andrews, C. W. 1903 C, 2 ("horses").
Anthony, R. 1912 A ("équidés").
Antonius, O. 1912 A, (64) ("pferde").
1913 A, 241 ("equiden").
1913 B, 235 ("equiden")
1919 A, 273 ("pferde").
1923 A, (31).
Arldt, T. 1907 D, 653.
1909 C, 457 ("pferde").
Aureggio, —— 1914 A, 337 ("chevaux").
Baird, S. F. 1876 A, ccviii ("horses").
Bayer, F. 1897 A, 147.
Beddard, F. E. 1902 A, 237.
Behlen, H. 1906 A, 196.
Berthoud, E. L. 1879 A, 153 ("horses").
Beyer, H. 1908 A, 81 ("einhufer").
Boas, J. E. V. 1914 B, 595 ("pferde").
Bonaparte, C. L. 1832 A, 292.
Boule, M. 1905 A, 1664 ("équidés").
1910 A, 1 ("équidés").
Boule and Thevenin. 1920 A, 79, 120 ("équidés").
Bradley, O. C. 1903 A, 112.
Buwalda, J. P. 1914 C, 350 ("horses").
Carter, J. T. 1922 A, 606 ("horses").
Carus, V. 1875 A, 159.
Case, E. C. 1899 B, 163.
Chubb, S. H. 1912 A, 113.
Colyer, J. F. 1905 A, 42 ("horses").
Cope, E. D. 1885 EE, 607 ("horses").
Cunningham, J. T. 1904 A, 777 ("horses").
Cuvier, F. 1825 A, 224 ("chevaux").
Cuvier, G. 1803 A, 166 ("chevaux").
1805 A ("chevaux").
1825 A, II, 99-113, pls. i-iii ("chevaux").
Depéret, C. 1905 A, 1518 ("équidés").
1906 B, 1121, 1122 ("équidés").
1908 A, 304.
1911 A, 577 ("équidés").
1912 A, 708 ("équidés").
Diener, C. 1912 A, 216 ("pferde").
Dietrich, K. 1841 A, 85 ("einhufer").
Dopp, K. E. 1904 A, 21 ("horses").
Doran, A. H. G. 1878 A, 420.
Duerst, J. U. 1908 A, 384.
Eaton, J. E. 1928 A, 133 ("horses").
Eichwald, E. 1835 A, 680 ("Equi").
Ewart, J. C. 1909 A, 219.
Fairchild, H. L. 1894 A, 208 ("horses").
Filhol, H. 1889 A, 222 ("équidés").
Flower, W. H. 1892 A, 42, 66.
Frassetto, F. 1903 A, 183.
Freund, L. 1911 A, 387.
Fürbringer, M. 1902 A, 202 ("equiden").
Gadow, H. 1913 A, 135 ("horses").
Gaudry, A. 1891 C, 133 ("pferde").
Geoffroy St. Hilaire, I. 1835 A, 97.
Gervais, P. 1853 B, 35 ("chevaux").
1859 A, 76 (équidés").
Gidley, J. W. 1907 A, 865.
1927 D, 265 ("horses").
Giebel, C. G. 1855 A, 63 (Solidungula).
Gill, T. 1904 B, 737 ("horses").
Granger, W. 1908 A, 221.
Gray, J. E. 1821 A, 307.
1825 B, 342.
1869 A, 262.
Gregory, W. K. 1917 D, 623, 634.
1920 A, 195.
1920 B, 265.
1927 A, 601 ("horses").
1927 F, 390 ("horses").
1927 J, 440, 445, figs. 1, 2 ("horses").
Hay, O. P. 1912 D, 580.
1914 A, 145.
1923 A, 484.
1924 D, 377.
1927 E, 77 ("horses").
Hayden, F. V. 1871 A, 105 ("horses").
Hescheler, K. 1906 A, 31 ("equiden").
Hinze, R. 1910 A, 372 ("einhufer").
Hoernes, R. 1886 A, 671.
Hogben, L. T. 1919 A, 75.
Hrdlička, A. 1903 A, 379.
Hubrecht, A. A. W. 1897 A, 8 ("horses").
Hull, E. 1914 A, 612 ("horses").
Huxley, T. H. 1868 C, 318 ("horses").
1870 F, 532.
1880 E, 457.
1881 A, 454 ("horses").
Ihering, H. 1909 A, 285 ("pferde").
Joleaud, L. 1919 B, 177 ("équidés").
1919 C, 311 ("équidés").
Joly, G. 1898 A, 1579 ("équidés").
Kampfen, P. N. 1905 A, 577, 580.
Keuchenius, P. E. 1913 A, 446.
Knottnerus-Meyer, T. 1907 A, 4, 96, 101.
Koken, E. 1901 B, 222 ("equiden").
Kraglievich, L. 1926 C, 63.
Lankester, E. R. 1905 A, 132 ("horses").
Larger, R. 1913 A, 701 ("équidés").
Le Damany, P. 1903 B, 275 ("équidés").
Ledouble, A. F. 1906 A, 550 ("équidés").
Leunis and Ludwig 1883 A, 269.
Lobley, J. L. 1908 A, 200, 204, 212.
Lull, R. S. 1904 C, 6.
1910 D, 154 ("horses").
1917 B, 709.
1918 C, 136 ("horses").
Lydekker, R. 1903 B, 199.
1904 A, 16 ("horses").
1907 A, 1.
1907 B, 8.
1912 A.
1916 A, 3.
Mannu, A. 1923 A, 161 ("equiden").
Marsh, O. C. 1874 E, 288 ("horses").
Matson and Sanford 1913 A, 146 ("horses").
Matthew, W. D. 1903 A, 3, figs.
1909 C, 125.
1909 D, 302.
1910 G, 155.

Matthew, W. D. 1910 H, 477 ("horses").
1913 B, 286, 291.
1914 B, 387.
1914 G, 233.
1915 A, 196, 197, 235, fig. 17.
1915 K, 451, fig. 17 ("horses").
1916 C, 522.
1916 J, 1, 12 ("horses").
1917 A, 574.
1920 C, 473 ("horses").
1921 D, 214.
1924 E, 745.
1924 G, 629 ("horses").
1926 C.
1928 B, 968 ("horses").
Meckel, J. F. 1825 A ("einhufer").
Merriam, J. C. 1915 E, 212.
1915 F, 255 ("horses").
Montgomery, T. H. 1901 A, 21734 ("horses").
Moodie, R. L. 1918 A, 171.
O'Harra, C. C. 1910 A, 93, 147.
1920 A, 100.
Ohm, —— 1908 A, 356 ("pferde").
Osborn, H. F. 1903 D, 673 ("horses").
1905 D, 315 ("horses").
1905 H, 202, fig. 4.
1905 I, 104.
1905 K, 608 ("horses").
1906 C, 776, 831.
1907 E, 747.
1907 G, 175.
1909 D, 125.
1910 B, 614.
1910 C, 80 ("horses").
1910 D, 736.
1911 C, pl. iii; text-fig. 9 ("horses").
1912 B, 266 ("horses").
1915 D, 284 ("horses").
1924 K, 275 ("horses").
1925 F, 962 ("equines").
Owen, R. 1868 A, 879.
Palacký, J. 1903 B, 310 ("equiden").
Pavlow, M. W. 1925 A, 313, seq.
Perna, G. 1916 A, 122.
Perrier, E. 1920 A, 355 ("équidés").
Pocock, R. I. 1902 A, 304.
1905 A, 517.
Pohle, H. 1921 A, 115.
Pompeckj, J. F. 1925 A, 13 ("pferde").
Rehs, J. 1914 A, 46.
Retterer, E. 1884 A, 496, 509 ("solipèdes").
Reynolds, S. H. 1897 A, 430, 471, 487, 496.
Rutten, L. M. R. 1909 A, 51.
Sauvage, H. E. 1882 A, 103, 105.
Scharff, R. F. 1911 A, 146 ("horses").
Schlesinger, G. 1909 A (141).
1914 A, 210, figs. ("pferde").
Schlosser, M. 1911 A, 165 ("equiden").
Schmidt, O. 1886 A, 201.
Schuchert, C. 1915 A, 937.
Schwarz, E. 1922 A, 150 ("horses").
1922 B, 132 ("pferde").
1924 A, 421 ("horses").
Scott, W. B. 1896 D, 47, 53, 57 ("horses").
1913 A, 290, 291.
1916 A, 115, 117 ("horses").
1917 A, 177 ("horses").
1928 A, 333 ("horses").
Seeley, H. G. 1872 A, 277 ("horses").
Sefve, I. 1910 A, 4 ("pferde").
1912 A.
1913 A, 366 ("pferde").
Serres, M. 1860 A, 301 ("cheveaux").
Steinmann, G. 1907 A, 489.
1912 B, 718 ("pferde").
Taschenberg, O. 1899 A, 4546.
Terra, P. 1911 A, 309.
Thacker, A. G. 1914 A, 283.
Tornier, G. 1888 A, 301 ("equiden").
1891 A, 199 ("equiden").
1908 A, 196 ("pferde").
1909 C, 540 ("equiden").
Tornquist, A. 1897 A, 683 ("pferde").
Trouessart, E. L. 1905 A, 637.
Underhill, B. M. 1907 A, 115, 118.
Veith, A. 1912 A ("hippiden").
Vic-d'Azyr, F. 1792 A, cx ("solipèdes").
Wallace, A. R. 1876 A, I, 112, 115, 125; II, 211.
Walmsley, T. 1918 A, 326.
Weber, M. 1904 A, 612, 614, 619.
Weber and Abel 1928 A, 426, 633, 650, 653, 676.
Weinberg, R. 1903 A, 491 (Anchilophus).
Windle, B. C. A. 1905 A, 1052 ("equiden").
Winge, H. 1906 A, 71, 143, 151 (Equini).
Woodward, A. S. 1917 D, lxxi ("horses").
1923 A, 29 ("horses").
Wright, G. F. 1908 A, 34 ("horses").
Wright, R. R. 1883 A, 246.
Zietzschmann, O. 1917 A, 440 ("equiden").
Zittel and Schlosser 1911 A, 454.
1923 A, 540, 602, 667.

HYRACOTHERIINÆ Cope.

Cope, E. D. 1881 G, 381.
Hay, O. P. 1902 A, 608.
Abel, O. 1913 B, 753b.
Ameghino, F. 1893 B, 443 (Hyracotheriidæ).
1902 B, 9.
Antonius, O. 1919 A, 275, 292 (Protohippinæ).
Arldt, T. 1909 C, 458 ("hyrachotherien").
1912 A, 700 (Hyracotherinæ).
Depéret, C. 1901 A, 199 ("hyracothéridés").
1905 C, 703 ("hyracothéridés").
1911 A, 577 ("hyracothéridés").
Gidley, J. W. 1907 A, 867, 871, 934.
Lydekker, R. 1912 A, 263 (Hyracotheriidæ).
Major, C. J. F. 1880 A, 25 ("hyracotherien").
Matthew, W. D. 1928 B, 967 ("hyracotheriines").
Osborn, H. F. 1910 B, 619.
1922 D, 721 ("4-toed horses").
Palmer, T. S. 1904 A, 748, 936.
Sauvage, H. E. 1882 A, 105 (Hyracontherinæ).
Stehlin, H. G. 1905 A, 548 ("orohippiden").
Trouessart, E. L. 1905 A, 610 (Hyracotheriidæ).
Wallace, A. R. 1876 A, I, 135 (Anchitheridæ); II, 212 (Anchitheridæ).
Weber, M. 1904 A, 619.
Weber and Abel 1928 A, 650, 675 (Palæohippidæ)
Zittel and Schlosser 1911 A, 457
1923 A, 542

Hyracotherium Owen. Type *H. leporinum* Owen.

Owen, R. 1840 G, 162.
Hay, O. P. 1902 A, 610 (Pliolophus).
Abel, O. 1913 B, 753b, 754a, figs. 103, 104.
1919 A, 860, fig. 655.
1928 B, 22, 62, 63, 88.
Ameghino, F. 1904 A, 532.
1906 A, 295, 301.
Anonymous 1898 A, 373.
Beddard, F. E. 1902 A, 247.
Bensley, B. A. 1901 C, 252.
Bronn, H. G. 1848 A, 603.
Case, E. C. 1899 B, 163.
Chardin, P. T. 1927 A, 27, pl. v, fig. 22.
Depéret, C. 1901 A, 200 (Pliolophus); 207 (Hyracotherium).
1904 B, 22.
1905 C, 703.
1907 B.
1912 A, 707.
Floderus, M. 1910 A, 98, fig. 1.
Flower, W. H. 1892 A, 28.
Geol. Magazine 1914 A, 480 (Hyracotherium, Pliolophus).
Giebel, C. G. 1855 A, 70.
Gill, T. 1904 B, 737.
Granger, W. 1909 A, 239 (Pliolophus).
Keuchenius, P. E. 1913 A, 448.
Lankester, E. R. 1905 A, 136, figs. 92, 94.
Lemoine, V. 1889 A, 238.
Lull, R. S. 1917 B, 610.
Lydekker, R. 1903 D, 123 ("hyracothere").
1904 A, 17, figs. 1, 3.
1908 A, 507.
1912 A, 241.
1915 C, 620.
Major, C. J. F. 1872 A, 153.
Matthew, W. D. 1913 F, 15.
1928 B, 968.
Osborn, H. F. 1902 D, 260, fig. 1.
1907 G, 83, figs. 135, 159, 161, 164, 165, 210.
Owen, R. 1868 A, 375, 792.
Palacký, J. 1903 B, 307.
Palmer, T. S. 1904 A, 344, 937.
Pavlow, M. W. 1925 A, 314, 321.
Schlosser, M. 1898 E, 125.
1921 A, 123.
Steinmann, G. 1907 A, 490.
Thorpe, M. R. 1927 A, 167.
Trouessart, E. L. 1905 A, 611.
Veith, A. 1912 A, 1, 11.
Weber, M. 1904 A, 619, 693.
Wortman, J. L. 1903 A, xv, 431.
Zittel, K. A. 1895 A, 305.
Zittel and Schlosser 1911 A, 458.
1923 A, 543.

Eohippus Marsh. Type *E. validus* Marsh.

Hay, O. P. 1902 A, 608 (Eohippus); 610 (Protorohippus).
Abel, O. 1914 A, 246 (Protorohippus).
1926 A, 225.
1926 B, 396, 399, 443.
1926 H, (160).
1928 B, 17, 19, 62, figs. 3, 4, 6, 10, 14, 84, 93.
Ameghino, F. 1906 A, 295.
Anonymous 1904 B, 40 (Protorohippus).
1908 B, 121.
Arldt, T. 1907 D, 253, 257.
1909 C, 458 ("Hyracotherium").
Beasley, W. L. 1903 A, 451, fig. 4.
Beddard, F. E. 1902 A, 248.
Berry, E. W. 1922 A, 110 (Eohippus, Protorohippus).
Berthoud, E. L. 1879 A, 154.
Carter, J. T. 1922 A, 606.
Chardin, T. 1922 A, 83 (Eohippus, Systemodon).
Cope, E. D. 1880 U, 149.
Depéret, C. 1901 A, 200, 203 (Hyracotherium); 222 (Eohippus, Protorohippus).
1912 A, 707.
Fairchild, H. L. 1894 A, 209.
Flower, W. H. 1908 I, 121.
Fürbringer, M. 1902 A, 202.
Gidley, J. W. 1918 B, 59.
1927 D, 266, fig.
Gill, T. 1904 B, 737.
Granger, W. 1908 A, 231, 234 (Includes Protorohippus).
1908 B, 256.
1911 A, 85.
1914 A, 202.
Gregory, W. K. 1912 F, 285.
1917 D, 623.
Gregory, W. K. 1920 A, 195.
1927 F, 393.
1927 I, 557.
1927 J, 445, figs. 1, 2.
Grinnell, G. B. 1923 A, 335.
Haug, E. 1911 A, 1528.
Heilmann, G. 1916 A, 122, fig. 209.
1926 A, 160.
Heilprin, A. 1887 A, 371, 372.
Hutchinson, H. N. 1910 A, 242, fig. 69 (Protorohippus).
Huxley, T. 1880 E, 458, 468.
1913 in Lull, R. S. 1913 A, 4, figure.
Keuchenius, P. E. 1913 A, 448.
Lankester, E. R. 1905 A, 140, fig. 95 (Hyracotherium).
Lee, Stone, Gale 1915 A, 40.
Lobley, J. L. 1908 A, 212.
Loomis, F. B. 1905 C, 296.
1926 A, 19, 60, 82, 97, pl. v, figs. 7, 11, 12, 16.
Lucas, F. A. 1901 J, 159.
1902 B, 227 (Protorohippus).
Lull, R. S. 1904 C, 6.
1907 A, 164, 171 (Eohippus); 172, fig. 6 (Protorohippus).
1910 D, 154.
1913 A, 12.
1917 B, 301, 610, figs. 212-214.
Lydekker, R. 1907 A, 2, fig. 1 (Protorohippus).
1912 A, 273 (Eohippus, Protorohippus).
Matthew, W. D. 1903 A, 12, pl. iii; text-fig. 1 (Eohippus); 15, pl. iv; text-fig. (Protorohippus).
1908 I, 121.
1909 C, 102 (Eohippus, Protorohippus).

Matthew, W. D. 1913 F, 15, figs. 2, 3, 4, 16, 19, 21.
1914 G, 234.
1915 A, 236, 313 (Eohippus); 239 (Systemodon).
1915 K, 413, 421, 455.
1916 J, 5, 11, 12, fig. 2.
1917 A, 574.
1920 C, 475.
1921 D, 219.
1924 B, 630.
1924 E, 749.
1924 G, 630.
1926 C, 141, 167, 170, figs. 1-7, 26, 27.
1928 B, 964, 967, 977, figs. 10, 15 (Syn. of Hyracotherium).
Matthew and Granger 1917 B, 417 ("Eohippus").
1925 E, 5 (Systemodon).
1926 A, 3.
Montgomery, T. H. 1901 A, 21733.
Noack, T. 1880 A, 78.
O'Harra, C. C. 1910 A, 93.
1920 A, 100.
Osborn, H. F. 1903 D, 674 (Eohippus, Protorohippus).
1904 R, 6.
1905 I, pls. ix, x; text-figs. 166, 197 (Protorohippus).
1907 G, 162, figs. 135, 166 (Eohippus); 178. figs. 166, 197 (Protorohippus).
1909 D, 23, 125.
1910 B, 614, figs. 34, 35.
1912 B, 261, fig. 4.
1912 G, 235, fig. 2.
1912 L, 187, fig. 4.
1915 B, 212, fig. 4.
1919 B, 558.
1926 A, 188.
Palmer, T. S. 1904 A, 263, 937 (Eohippus); 585, 938 (Protorohippus); 658, 941 (Systemodon).
Petronievics, B. 1921 A, 102.
Sauvage, H. E. 1882 A, 106 ("eohippe").
Scharff, R. F. 1911 A, 147.
Schlosser, M. 1921 A, 124, text-fig. 1.
Schuchert, C. 1910 A, 599.
Schuchert and Levene 1927 A, 344, fig.
Scott, W. B. 1913 A, 280, 302, 303, 304, 305, figs. 153, 154.
1917 A, 102, 105.
Seeley, H. G. 1886 A, 475 (Systemodon); 476 (Pliolophus).
Shufeldt, R. W. 1889 D, 11.
Stehlin, H. G. 1905 A, 553, 556 (Eohippus); 549, 556 (Protorohippus).
Steinmann, G. 1907 A, 490.
Thorpe, M. R. 1927 A, 167.
Trouessart, E. L. 1905 A, (Subg. of Hyracotherium).
Troxell, E. L. 1916 A, 344.
Underhill, B. M. 1907 A, 117.
1910 A, 79.
Veith, A. 1912 A, 12 (Eohippus, Protorohippus).
Weber, M. 1904 A, 619 (Eohippus, Protorohippus); 624 (Systemodon).
Weber and Abel 1928 A, xxiii, 660, 677, 681, fig. 469.
Wieland, G. R. 1903 B, 412 (Eohippus, Protorohippus).
Wood, H. E. 1927 B, 13, tab. 1*a*, ii, vii.
Wright, R. R. 1883 A, 250.
Zittel and Schlosser 1911 A, 458.
1923 A, 543, 544, 550.

Eohippus angustidens (Cope).

Hay, O. P. 1902 A, 609 (E. index, in part).
Gidley, J. W. 1926 E, 41 (This species?).
Granger, W. 1908 A, 223 (Orohippus); 235, 244, 259 (Eohippus).
Loomis, F. B. 1907 B, 357.
Matthew, W. D. 1909 C, 95.
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); New Mexico.

Eohippus borealis Granger.

Granger, W. 1908 A, 242, 261, fig. 4; pl. xv, fig. 3.
Abel, O. 1926 B, 412, figs. 262, 423.
1928 B, 19, 22, fig. 7.
Loomis, F. B. 1907 B, 357.
1926 A, 8, 72, pl. i.
Matthew, W. D. 1909 C, 95.
Osborn, H. F. 1910 B, 116.
Lower Eocene (Wasatch); Wyoming.

Eohippus craspedotus (Cope).

Hay, O. P. 1902 A, 609.
Abel, O. 1926 B, 396, 408, fig. 260 (E. craspedotum).
1928 B, 19, fig. 1.
Granger, W. 1908 A, 225 (Hyracotherium); 244 (Eohippus).
Loomis, F. B. 1919 A, 217 (E. kraspidotus).
1926 A, 80.
Matthew, W. D. 1909 C, 95.
Osborn, H. F. 1904 F, 13 (Hyracotherium).
Seeley, H. G. 1886 A, 476 (Hyracotherium).
Sinclair and Granger 1911 A, 91.
Stehlin, H. G. 1905 A, 548 (Hyracotherium).
Lower Eocene (Wind River); Wyoming.

Eohippus cristatus (Wortman).

Hay, O. P. 1902 A, 609.
Chardin, T. 1922 A, 73 (Hyracotherium).
Depéret, C. 1901 A, 203 (Hyracotherium).
Granger, W. 1908 A, 226 (Eohippus); 239 (Hyracotherium).
Loomis, F. B. 1907 B, 357.
Matthew, W. D. 1909 C, 95.
Osborn, H. F. 1909 D, 38.
Lower Eocene (Wasatch); Wyoming.

Eohippus cristonensis (Cope).

Hay, O. P. 1902 A, 610 (Pliolophus).
Granger, W. 1908 A, 224 (Orotherium); 237, 263, fig. 5 (Eohippus).
Gregory, W. K. 1917 D, 633, fig. 1.
Loomis, F. B. 1907 B, 357 (E. cristonense).
Matthew, W. D. 1909 C, 95.
Merrill, G. P. 1907 A, 43 (Hyracotherium crist.); 51 (Orotherium cristonense, O. lœvii).
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Eohippus cuspidatus (Cope).

Cope, E. D. 1875 C, 22 (Orohippus).

Hay, O. P. 1902 A, 609 (E. index, in part).
Granger, W. 1908 A, 223 (Orohippus), 235 (Syn.? of E. angustidens).
Matthew, W. D. 1909 C, 95.
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); New Mexico.

Eohippus etsagicus (Cope).

Cope, E. D. 1884 O, pl. lvi, fig. 5 (Systemodon; no description).
Granger, W. 1908 A, 225 (Systemodon); 238, 240, 243, 259 (Eohippus).
Matthew, W. D. 1909 C, 95 (Helohyus).
Lower Eocene (Wasatch); Wyoming.

Eohippus index (Cope).

Hay, O. P. 1902 A, 609.
Abel, O. 1928 B, 19.
Cope, E. D. 1874 B, 441, 459.
Depéret, C. 1901 A, 203 (Hyracotherium).
Gidley, J. W. 1926 E, 41.
1927 D, 269, fig.
Granger, W. 1908 A, 222 (Orotherium); 234, pl. xv, fig. 1 (Eohippus).
Loomis, F. B. 1926 A, 72.
Matthew, W. D. 1909 C, 95.
Merrill, G. P. 1907 A, 36 (Eohippus index); 51 (Orohippus augustidens, O. cuspidatus).
Osborn, H. F. 1909 D, 39.
1912 G, 235.
Seeley, H. G. 1886 A, 476 (Hyracotherium).
Trouessart, E. L. 1905 A, 611.
Lower Eocene (Wasatch); Wyoming.

Eohippus montanus (Wortman).

Hay, O. P. 1902 A, 610 (Pliolophus).
Granger, W. 1908 A, 226 (Hyracotherium); 239 (Eohippus).
Loomis, F. B. 1907 B, 357.
Matthew, W. D. 1909 C, 95.
Lower Eocene (Wasatch); Wyoming.

Eohippus pernix Marsh.

Hay, O. P. 1902 A, 609.
Abel, O. 1912 F, 234, fig. 162.
1913 B, 754, fig. 102.
1914 A, 136, fig. 94.
1914 D, 26, fig. 1.
1920 A, 449, fig. 686.
1922 C, 274, fig. 231.
Depéret, C. 1901 A, 203.
Granger, W. 1908 A, 224 (=E. index?).
Lull, R. S. 1907 A, 171, fig. 7.
Lydekker, R. 1912 A, 273.
Matthew, W. D. 1909 C, 95.
1917 A, 574.
Schlesinger, G. 1914 A, 211, figs. 2, 3.
Lower Eocene (Wasatch); Wyoming.

Eohippus resartus Granger.

Granger, W. 1908 A, 240, figs. 1, 2.
Hay, O. P. 1902 A, 610 (E. tapirinus, in part).
Abel, O. 1928 B, 19.
Loomis, F. B. 1907 B, 357.
1926 A, 72, pl. v.
Matthew, W. D. 1909 C, 95.
1926 C, 152, fig. 9.
Lower Eocene (Wasatch); Wyoming.

Eohippus? tapirinus (Cope).

Hay, O. P. 1902 A, 610.
Ameghino, F. 1906 A, 107, fig. 120 (Hyracotherium).
Depéret, C. 1901 A, 203 (Hyracotherium).
Granger, W. 1908 A, 223 (Orohippus); 240 (Eohippus).
Matthew, W. D. 1909 C, 94 (Systemodon).
Merrill, G. P. 1907 A, 43 (Hyracotherium); 51 (Orohippus).
Peterson, O. A. 1919 A, 103 ("tapirinus").
Reeside, J. B. 1924 A, 46 (Systemodon).
Trouessart, E. L. 1905 A, 611.
Troxell, E. L. 1922 B, 288 (Systemodon).
Veith, A. 1912 A, 12 (Hyracotherium).
Zittel and Schlosser 1911 A, 458, fig. 635.
1923 A, 543, fig. 674.
Lower Eocene (Wasatch); New Mexico.
Granger, as cited, regards the type of this species as generically indeterminable.

Eohippus validus Marsh.

Hay, O. P. 1902 A, 610.
Granger, W. 1908 A, 224, 236, pl. xv, fig. 2.
Matthew, W. D. 1909 C, 95.
Osborn, H. F. 1910 B, 117, 128.
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); New Mexico.

Eohippus vasacciensis (Cope).

Hay, O. P. 1902 A, 610.
Cope, E. D. 1872 PP, 2 (Notharctus; Lophiotherium vasachiensis).
Depéret, C. 1901 A, 203 (Hyracotherium).
Granger, W. 1908 A, 222, 244 (Lophiotherium).
Matthew, W. D. 1909 C, 95.
Merrill, G. P. 1907 A, 43 (Hyracotherium); 51 (Orohippus).
Osborn, H. F. 1909 D, 39.
1912 G, 235, fig. 2.
Lower Eocene (Wasatch); Wyoming.

Eohippus venticolus (Cope).

Hay, O. P. 1902 A, 610 (Protorohippus).
Abel, O. 1914 A, 246, fig. 215.
1926 B, 410, fig. 261-263.
1928 B, 20, 22, figs. 2, 5, 7.
Cope, E. D. 1891 N, 62, 63, 85, figs. 32*d*, 57 (Hyracotherium).
Flower, W. H. 1892 A, 29 (Hyracotherium).
Granger, W. 1908 A, 225 (Hyracotherium); 245, 260, 263, figs. 3, 5 (Eohippus).
1910 A, 236.
Gregory, W. K. 1917 D, 633, fig. 1.
Leuthardt, F. 1891 A, 113, pl. v, fig. 4 (Hyracotherium).
Loomis, F. B. 1926 A, 80, pl. vi.
Lydekker, R. 1912 A, 273 (Protorohippus).
Matthew, W. D. 1909 C, 95.
1913 F, 18, fig. 8.
1915 D, 3 (Hyracotherium).
1917 A, 574.
1926 C, 152, fig. 10.
Osborn, H. F. 1901 A, pls. i, ii (Protorohippus).
1904 F, 13, 25, 38, fig. 8 (Protorohippus).
1904 R, 4, figs. 1, 1a, 8 ("Protorohippus).
1910 B, 130, 134, 135.

Sinclair and Granger 1911 A, 91 (This species?).
Stehlin, H. G. 1905 A, 578.
Stromer, E. 1912 A, 207, fig. 194.
Terra, P. 1911 A, 312, fig. 133 (Hyracotherium).
Trouessart, E. L. 1905 A, 612 (Protorohippus).
Weber, M. 1904 A, 619, fig. 448 (Hyracotherium).
Williams, H. S. 1897 A, 685, fig. ("Protorohippus").
Woodward, A. S. 1904 B, 160 (Protorohippus).
1923 C, 32 (Protorohippus).
Zittel and Schlosser 1911 A, 457, fig. 634.
1923 A, 543, fig. 673.
Lower Eocene (Wind River); Wyoming, New Mexico.

Eohippus sp. indet.

Gidley, J. W. 1926 E, 41 (This genus?). Lower Eocene (Wasatch); Wyoming.
Granger, W. 1908 A, 246.
1911 A, 85, figs. Lower Eocene (Wasatch); Wyoming.
Granger and Simpson 1928 A, 1. Wasatch (Sand Coulee); Wyoming.
Matthew, W. D. 1912 C, 186, fig. Lower Eocene (Wasatch); Wyoming.
Sinclair and Granger 1911 A, 108.
Wegemann, C. H. 1918 A, 59. Lower Eocene (Wasatch); Wyoming.
Wood, H. E. 1927 B, tab. vii.

Orohippus Marsh. Type *O. pumilis* Marsh = *O. typicus* Granger.

Hay, O. P. 1902 A, 611 (Orohippus, Helohippus).
Abel, O. 1909 E, (246).
1914 A, 246.
1926 B, 396, 399, 409, 411, figs. 262, 263.
1926 H, (160).
1928 B, 23, 93.
Anonymous 1906 B, 228.
1908 B, 121.
Arldt, T. 1907 D, 257.
1909 C, 458.
Baird, S. F. 1876 A, 322.
Beddard, F. E. 1902 A, 248.
Berthoud, E. L. 1879 A, 154.
Boas, J. E. V. 1914 B, 595.
Cope, E. D. 1880 U, 149 (Orotherium).
Delafontaine, M. 1875 A, 174.
Depéret, C. 1901 A, 221, 222.
1912 A, 707.
Fürbringer, M. 1902 A, 203.
Granger, W. 1908 A, 230 (Helotherium, Orotherium, Oligotomus, Helohippus, syns.); 247 (Orohippus); 251, 255 (Aminippus; subgenus, to replace *Orotherium*).
1908 B, 256.
Gregory, W. K. 1906 A, 13.
1908 A, 121.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 371, 372.
Huxley, T. H. 1876 F, 186.
Lobley, J. L. 1908 A, 212.
Loomis, F. B. 1926 A, 62, 82, 97, fig. 16.
Lull, R. S. 1907 A, 173, figs. 4, 6 (Orohippus); 173 (Helohippus).
1913 A, 12.
1917 B, 611, fig. 215.
Lydekker, R. 1907 A, 6, fig. 1-*b*.
1912 A, 272 (Orohippus, Heliohippus).
Marsh, O. C. 1874 E, 288, 293, fig. 75.
Matthew, W. D. 1907 A, 175.
1908 I, 121.
1909 C, 102 (Helotherium, Oligotomus, Orohippus, Orotherium).
1912 A, 15.
1913 F, 16, 25, figs. 5, 16, 19.
1914 G, 234.
1915 A, 236, 313.
1915 K, 413, 455.
1916 J, 6, 11, 12.
1917 A, 574.
1920 C, 475.
Matthew, W. D. 1924 B, 630.
1924 E, 748.
1924 G, 630.
1926 C, 150, 167, figs. 7, 26, 27.
1928 B, 967, 977, fig. 15 (Orohippus, Aminippus).
Montgomery, T. H. 1901 A, 21734.
Noack, T. 1880 A, 78.
Osborn, H. F. 1908 D, 750, fig. 3.
1909 D, 23, 49, 52.
1910 B, 625.
1912 G, 237.
1917 B, 258, fig.
1925 C, 750.
Palmer, T. S. 1904 A, 481, 937 (Orohippus); 315, 937 (Helohippus, Oligotomus, Orotherium); 315, 942 (Helotherium).
Petronievics, B. 1921 A, 102.
Regnault, F. 1903 A, 110.
Rogenhofer, A. 1908 A, (42).
Sauvage, H. E. 1882 A, 106, fig. ("orohippe").
Schlesinger, G. 1914 A, 214, fig. 7.
Schmidt, O. 1886 A, 213, fig. 8.
Schuchert, C. 1910 A, 599.
Schuchert and Levene 1927 A, 344, 346, fig.
Scott, W. B. 1913 A, 272, 302.
Seeley, H. G. 1878 A, 224.
Shufeldt, R. W. 1889 D, 11.
Stehlin, H. G. 1905 A, 549, 556.
Thorpe, M. R. 1927 A, 167.
Trouessart, E. L. 1905 A, 614.
Underhill, B. M. 117, 119, fig. 1.
Veith, A. 1912 A, 12.
Villada, M. M. 1903 A, 442.
Weber, M. 1904 A, 619.
Weber and Abel 1928 A, xxiii, 677, fig. 469.
Zittel and Schlosser 1911 A, 458.
1923 A, 544, 550.

Orohippus agilis Marsh.

Hay, O. P. 1902 A, 611.
Abel, O. 1912 F, 234, fig. 162.
1913 B, 754, fig. 102.
1914 A, 136, fig. 94.
1914 D, 26, fig. 1.
1920 A, 449, fig. 686.
1922 C, 274, 276, fig. 231.
Delafontaine, M. 1875 A, 174.
Granger, W. 1908 A, 228, pl. xvi, fig. 5 (Orohippus); 257 [O. (Aminippus)].
Lull, R. S. 1907 A, 173, fig. 8.

Marsh, O. C. 1874 E, 289, 291, fig. 73.
Matthew, W. D. 1909 C, 98.
Middle Eocene (Bridger); Wyoming.

Orohippus atavus Granger.

Granger, W. 1908 A, 253, 261, pl. xv, fig. 4; text-fig. 4.
Abel, O. 1926 B, 412, fig. 262.
1928 B, 24, fig. 7.
Loomis, F. B. 1926 A, 83.
Middle Eocene (Bridger); Wyoming.

Orohippus ballardi (Marsh).

Hay, O. P. 1902 A, 611.
Cope, E. D. 1872 NN, 2 (Lophiotherium ballardii).
Granger, W. 1908 A, 227 (Lophiotherium); 248, pl. xvi, fig. 4 (Orohippus).
Lull, R. S. 1913 A, 2.
Matthew, W. D. 1909 C, 98.
Middle Eocene (Bridger); Wyoming.

Orohippus cinctus (Cope).

Hay, O. P. 1902 A, 611.
Granger, W. 1908 A, 228 (Oligotomus cinctus=? Orohippus ballardi).
Matthew, W. D. 1909 C, 98.
Trouessart, E. L. 1905 A, 615.
Middle Eocene (Bridger); Wyoming.

Orohippus major Marsh.

Hay, O. P. 1902 A, 611.
Granger, W. 1908 A, 228, 250, pl. xvi, fig. 2.
Marsh, O. C. 1874 E, 289.
Matthew, W. D. 1909 C, 98.
Trouessart, E. L. 1905 A, 614.
Middle Eocene (Bridger); Wyoming.

Orohippus osbornianus (Cope).

Hay, O. P. 1902 A, 611.
Abel, O. 1928 B, 26, 84, figs. 8, 9.
Anonymous 1908 A, 723.
Granger, W. 1908 A, 229 (Hyracotherium); 252, pl. xvii (Orohippus).
Loomis, F. B. 1926 A, 83, pls. vii, x.
Matthew, W. D. 1908 G, 89.
1909 C, 98.
Middle Eocene (Bridger); Wyoming.

Orohippus procyoninus Cope.

Cope, E. D. 1872 OO, 1 (Helotherium).
Hay, O. P. 1902 A, 612.
Granger, W. 1908 A, 227 (Heliotherium procyoninum=? Orohippus pumilus).
Marsh, O. C. 1874 B, 249 (Syn? of O. pumilis).
Matthew, W. D. 1909 C, 98.
Trouessart, E. L. 1905 A, 614 (Syn. of O. pumilis).
Middle Eocene (Bridger); Wyoming.

Orohippus progressus Granger.

Granger, W. 1908 A, 250, 261, pl. xviii, fig. 1; text-fig. 4.
Abel, O. 1926 B, 412, fig. 262.
1928 B, 23, fig. 7.
Peterson, O. A. 1919 A, 101.
Middle Eocene (Bridger); Wyoming.

Orohippus pumilus (Marsh).

Hay, O. P. 1902 A, 611 (Helohippus).
Granger, W. 1908 A, 226, 232 (Lophiodon); 227, 247 (Orohippus).
Marsh, O. C. 1874 E, 289.
Matthew, W. D. 1909 C, 98.
Middle Eocene (Bridger); Wyoming.

Orohippus sylvaticus (Leidy).

Hay, O. P. 1902 A, 612.
Granger, W. 1908 A, 226 (Lophiotherium); 255 [O. (Aminippus)]; pl. xviii, fig. 2 (Orohippus).
Matthew, W. D. 1909 C, 98.
Merrill, G. P. 1907 A, 44 (Lophiotherium).
Middle Eocene (Bridger); Wyoming.

Orohippus typicus Granger.

Granger, W. 1908 A, 249, 260, pl. xvi, fig. 3 (To replace *Orohippus pumilus* Marsh, preoccupied).
Hay, O. P. 1902 A, 612 (Orohippus pumilis).
Granger, W. 1908 A, 227 (O. pumilus).
Lull, R. S. 1913 A, 4 (O. pumilus).
Middle Eocene (Bridger); Wyoming.

Orohippus uintanus (Marsh).

Hay, O. P. 1902 A, 612.
Granger, W. 1908 A, 228 (Orotherium); 256 [O. (Aminippus)]; 263, fig. 5; pl. xvi, fig. 6 (Orohippus).
Gregory, W. K. 1917 D, 633.
Lull, R. S. 1913 A, 4.
Matthew, W. D. 1909 C, 98.
Merrill, G. P. 1907 A, 51 (Orotherium vintanum).
Middle Eocene (Bridger); Wyoming.

Orohippus sp. indet.

Hatcher, J. B. 1901 A, 134, pl. i, fig. 7. Oligocene (White River); Nebraska.

Epihippus Marsh. Type *E. gracilis* Marsh.

Hay, O. P. 1902 A, 612.
Abel, O. 1914 A, 246.
1926 B, 396, 399, 411, 414, fig. 263.
1926 H, (160).
1928 B, 24, 35, 63, 84, fig. 6.
Arldt, T. 1907 D, 257.
Beasley, W. L. 1903 A, 451.
Berry, E. W. 1922 A, 111.
Bronn, H. G. 1848 A, 463 (Ephippus).
Case, E. C. 1899 B, 164.
Depéret, C. 1901 A, 221, 222.
1912 A, 710.
Giebel, C. G. 1855 A, 103.
Granger, W. 1908 A, 231, 257.
1908 B, 256.
Haug, E. 1911 A, 1528.
Loomis, F. B. 1926 A, 62, fig. 16.
Lull, R. S. 1907 A, 173.
1913 A, 12.
1917 B, 611, 613.

Lydekker, R. 1912 A, 271.
Matthew, W. D. 1903 A, 16, pl. iv.
1909 C, 102.
1913 F, 16, 25, figs. 6, 19.
1914 G, 234.
1915 A, 236, 313.
1915 K, 413, 455.
1916 J, 7, 11.
1924 B, 630.
1924 D, 1.
1924 E, 748.
1924 G, 630.
1926 C, 150, 152, fig. 7.
1928 B, 967, 977, fig. 15.
Osborn, H. F. 1903 E, 674.
1910 B, 14, 170, 555.
Palmer, T. S. 1904 A, 267, 937.
Peterson, O. A. 1919 A, 101.
Scharff, R. F. 1911 A, 147.
Schuchert and Levene 1927 A, 346, fig.
Scott, W. B. 1913 A, 266, 301, 302.
Stehlin, H. G. 1905 A, 549, 556.
Thorpe, M. R. 1927 A, 167.
Trouessart, E. L. 1905 A, 614.
Underhill, B. M. 1907 A, 117, 120.
Veith, A. 1912 A, 12.
Weber, M. 1904 A, 620.
Weber and Abel 1928 A, xxiii, 677, 681, fig. 469.
Wieland, G. R. 1903 B, 412.
Winge, H. 1906 A, 149 (Ephippus).
Wright, R. R. 1883 A, 250.
Zittel and Schlosser 1911 A, 458.
1923 A, 544, 550, 666, 669.

Epihippus gracilis Marsh.

Hay, O. P. 1902 A, 612.
Granger, W. 1908 A, 229 (Anchitherium); 258, pl. xviii. fig. 4 (Epihippus).
Loomis, F. B. 1926 A, 84.
Lull, R. S. 1907 A, 173.
1913 A, 3.
Marsh, O. C. 1874 E, 289 (Orohippus).
Matthew, W. D. 1909 C, 99.
Peterson, O. A. 1919 A, 101.
Upper Eocene (Uinta); Utah.

Epihippus parvus Granger.

Granger, W. 1908 A, 258, pl. xviii, fig. 3.
Loomis, F. B. 1926 A, 84.
Matthew, W. D. 1909 C, 99.
Peterson, O. A. 1919 A, 102, pl. xlii, figs. 12-16.
Upper Eocene (Uinta); Utah.

Epihippus uintensis Marsh.

Hay, O. P. 1902 A, 612.
Granger, W. 1908 A, 229 (Orohippus); 258 pl. xviii, fig. 5 (Epihippus. Syn. of E. gracilis?).
Gregory, W. K. 1917 D, 633, fig. 1.
Lull, R. S. 1907 A, 173.
Matthew, W. D. 1909 C, 99.
Peterson, O. A. 1919 A, 101.
Upper Eocene (Uinta); Utah.

ANCHITHERIINÆ Osborn.

Hay, O. P. 1902 A, 608 (Hyracotheriinæ).
Arldt, T. 1912 A, 700, 746.
Gervais, P. 1852 A, 63, explan. pl. xxx (Anchitherium).
1859 A, 83 (Anchitherium).
Gidley, J. W. 1907 A, 867, 871, 934.
Lydekker, R. 1912 A, 263 (Anchitheridæ).
Major, C. J. F. 1877 A, 7 (Anchitheridæ).
Matthew, W. D. 1915 A, 196.
Osborn, H. F. 1910 B, 233, 333, 555.
Romer, A. S. 1926 B, 332.
Schlosser, M. 1898 C, 373.
Zittel and Schlosser 1911 A, 460.
1923 A, 545.

Mesohippus Marsh. Type *Anchitherium bairdi* Leidy.

Marsh, O. C. 1875 B, 248.
Hay, O. P. 1902 A, 612 (Miohippus, in part).
Abel, O. 1913 B, 754*a*, fig. 104.
1914 A, 246.
1919 A, 862, fig. 656.
1920 A, 450, fig. 688.
1926 B, 396, 399, 414, 434, 451.
1926 H, (160).
1928 B, 20, 29, 34, 63, 88, 93, figs. 3, 4, 14.
Ameghino, F. 1889 A, 556, 557 (Anchitherium)
1893 B, 443.
1893 D, 15.
1904 A, 231, 232.
Anonymous 1898 A, 373.
1908 B, 121.
Arldt, T. 1907 D, 247.
Beasley, W. L. 1903 A, 451.
Beddard, F. E. 1902 A, 248.
Berry, E. W. 1922 A, 111.
Berthoud, E. L. 1879 A, 154.
Boas, J. E. V. 1914 B, 596, figs. 43-45.
Case, E. C. 1899 B, 164.
Condon, T. 1902 A, 123 ("Anchitherium").
1910 A, 104.
Cope, E. D. 1880 U, 156.
Depéret, C. 1912 A, 708, 710.
Douglass, E. 1905 A, 211.
1909 C, 231, 283.
Floderus, M. 1910 A, 98, fig. 1.
Gidley, J. W. 1906 D, 386.
1907 A, 867.
1908 B, 237, 241.
Gregory, W. K. 1908 A, 121.
1912 F, 285.
1917 D, 633, fig. 1.
1920 A, 193.
Haug, E. 1911 A, 1528, 1529.
Heilmann, G. 1916 A, 125, fig. 209.
Heilprin, A. 1887 A, 371, 372.
Hescheler, K. 1906 A, 31.
Lobley, J. L. 1908 A, 212.
Loomis, F. B. 1926 A, 60, 63, 64, 104, figs. 7, 8 11, 12, 21.
1928 A, 142.
Lull, R. S. 1904 C, 6.
1907 A, 173, fig. 6.
1910 D, 154.
1913 A, 12.
1917 B, 301, 610, figs. 216-218.
Lydekker, R. 1904 A, 18.

Lydekker, R. 1907 A, 6, figs. 1*a*, 2*b*.
1912 A, 265.
Matsumoto, H. 1921 A, 75.
Matthew, W. D. 1903 A, 16, pl. v.
1907 A, 175.
1908 I, 121.
1909 C, 111.
1913 F, 17, 25, figs. 2, 3, 7, 16, 21.
1914 G, 234.
1915 A, 236, 313.
1915 K, 420, 455.
1916 J, 7, 9, 11, figs. 2, 3.
1917 A, 574.
1920 C, 475.
1924 B, 630.
1924 D, 1.
1924 E, 748.
1924 G, 630.
1926 B, 5, 6.
1926 C, 141, 167, figs. 1-7, 27.
1928 B, 979, fig. 15.
Merriam, J. C. 1911 B, 258.
1913 G, 424.
Merriam and Sinclair 1903 A, 95.
Moodie, R. L. 1922 C, 367, fig. 24.
Noack, T. 1880 A, 78.
O'Harra, C. C. 1910 A, 95, 129.
1920 A, 101, fig. 40.
Osborn, H. F. 1904 R, 7.
1905 J, 282.
1907 G, 17 5, figs. 161, 164.
1910 B, 623, fig. 223.
1917 B, 266, fig.
1918 A, 4, 5, 20, 22, 36.
1925 C, 750.
Palacký, J. 1903 B, 312.
Palmer, T. S. 1904 A, 414, 937.
Pavlow, M. W. 1925 A, 314, 318.
Peterson, O. A. 1919 A, 103.
Petronievics, B. 1921 A, 102.
Sauvage, H. E. 1882 A, 108, fig. ("mesohippe").
Scharff, R. F. 1911 A, 147.
Schlesinger, G. 1914 A, 212, figs. 4, 7.
Schlosser, M. 1897 B, 19.
1899 I, 349.
1899 R, 316.
1901 A, 491.
1903 I, 181.
1924 A, 68.
Schmidt, O. 1886 A, 213, fig. 38.
Schuchert and Levene 1927 A, 346, fig.
Scott, W. B. 1913 A, 685, figs. 133, 154.
1917 A, 102, 105.
Sefve, I. 1927 A, 81.
Shufeldt, R. W. 1889 D, 11, fig.
Sinclair, W. J. 1905 D, 483.
1924 A, 122.
1925 A, 61.
Stehlin, H. G. 1905 A, 549, 556, 578.
Steinmann, G. 1907 A, 491.
Thorpe, M. R. 1923 E, 241.
1927 A, 168.
Trouessart, E. L. 1905 A, 616 (Subg. of Miohippus).
Underhill, B. M. 1907 A, 117, 120, fig. 1.
Wallace, A. R. 1876 A, I, 135.
Weber, M. 1904 A, 620.
Weber and Abel 1928 A, xxiii, 679.
Winge, H. 1906 A, 149 (Mesippus).
Wright, R. R. 1883 A, 250.
Zittel and Schlosser 1911 A, 500.
1923 A, 546, 670.

Mesohippus assiniboiensis Lambe.

Lambe, L. M. 1905 C, 50, 51, pl. ii, fig. 8.
1908 A, 10, 37, pl. iii, figs. 22-24.
Matthew, W. D. 1909 C, 104.
Osborn, H. F. 1918 A, 10, 37, 44, text-fig. 24.
Lower Oligocene (White River); Assiniboia.

Mesohippus bairdi Leidy.

Hay, O. P. 1902 A, 613 (Miohippus).
Abel, O. 1926 A, 243 (M. bairdii).
1926 B, 322, 397, 414, figs. 253, 264, 269.
1926 H, (160) (M. bairdii).
1928 B, 29, 33, figs. 11, 15, 19 (M. bairdii).
Ameghino, F. 1889 A, 556, 557 (Anchitherium).
Cook, H. J. 1912 D, 37 (M. bairdii).
Darton, N. H. 1905 A, 173.
Douglass, E. 1901 B, 242 (Miohippus).
1903 A, 150.
1908 B, 270.
Gaudry, A. 1906 A, 25.
Gervais, P. 1859 A, 360 (Anchitherium).
Gidley, J. W. 1903 B, 474, 476.
1927 D, 269, fig.
Giebel, C. G. 1883 A, pl. xliii (Anchitherium).
Lambe, L. M. 1908 A, 35.
Lankester, E. R. 1905 A, 141, fig. 97.
Loomis, F. B. 1926 A, 102, pl. viii.
Lull, R. S. 1907 A, 174.
Lydekker, R. 1912 A, 268 (Miohippus).
Marsh, O. C. 1874 E, 290 (Anchitherium).
Major, C. J. F. 1877 A, 4 (Anchitherium).
Matthew, W. D. 1901 B, 357, 369, 371.
1902 H, 40.
1903 A, 16, fig. 2 (Miohippus).
1909 C, 106.
1913 F, 18, figs. 8, 19.
1926 C, 151, fig. 7.
Merrill, G. P. 1907 A, 22 (Anchitherium); 48 (Mesohippus); 53 (Palæotherium).
O'Harra, C. C. 1910 A, 96, pls. xxxi, xxxii.
1920 A, 152, pls. xvi, xxxiii.
Osborn, H. F. 1902 H, 715.
1904 B, 168, 172, pl. iv; text-fig. 3.
1904 F, 13, 36.
1905 H, 206.
1905 I, 92.
1918 A, 5, 6, 11, 37, 45, pl. i, figs. 3, 4; pl. ii, figs. 4, 13; pl. xxxix, figs. 15, 19; pl. li, figs. 7, 11; text-figs. 25, 26.
Schlosser, M. 1898 C, 373.
1899 R, 316.
Scott, W. B. 1913 A, 300, fig. 152.
Sinclair, W. J. 1905 A, 142.
1924 A, 99, 101, 102, 122, fig. 8 (M. bairdii).
Stehlin, H. G. 1905 A, 578.
Trouessart, E. L. 1905 A, 616.
Veith, A. 1912 A, 12, 21 (Mesohippus, Anchitherium).
Weber and Abel 1928 A, 678, fig. 465.
Woodward, A. S. 1898 B, 327, fig. 187.

Zittel and Schlosser 1911 A, 460, fig. 641.
1923 A, 546, fig. 680.
Middle Oligocene (Brule); South Dakota, Nebraska, Colorado?, Montana?.

Mesohippus celer (Marsh).

Hay, O. P. 1902 A, 613 (Miohippus).
Abel, O. 1912 F, 234, fig. 162.
1913 B, 754, fig. 102.
1914 A, 136, fig. 94.
1914 D, 26, fig. 1.
1920 A, 449, fig. 686.
1922 C, 274, fig. 231.
Cook, H. J. 1912 D, 34.
Lambe, L. M. 1905 A, 245.
Lull, R. S. 1907 A, 174, fig. 9.
Marsh, O. C. 1874 E, 290 (Anchitherium).
Matthew, W. D. 1909 C, 104.
O'Harra, C. C. 1920 A, 159.
Osborn, H. F. 1904 B, 168, 169.
1918 A, 10, 36, 37, pl. ii, fig. 9; text-fig. 17.
Zittel and Schlosser 1911 A, 460, fig. 640.
Lower Oligocene (Chadron); South Dakota, Nebraska.

Mesohippus cuneatus (Cope).

Hay, O. P. 1902 A, 614 (Miohippus).
Osborn, H. F. 1918 A, 11, 37, 47.
Middle Oligocene (Cedar Creek); Colorado.

Mesohippus eulophus Osborn.

Osborn, H. F. 1904 B, 173, fig. 5.
Matthew, W. D. 1909 C, 106.
Osborn, H. F. 1918 A, 11, 37, 49, pl. i, fig. 6; pl. ii, fig. 8; text-fig. 29.
Veith, A. 1912 A, 16.
Middle Oligocene (Cedar Creek); Colorado.

Mesohippus exoletus (Cope).

Hay, O. P. 1902 A, 614 (Miohippus).
Matthew, W. D. 1909 C, 106.
Osborn, H. F. 1904 B, 173.
1918 A, 11, 37, 47.
Trouessart, E. L. 1905 A, 616 (Syn. of M. bairdii).
Middle Oligocene (Cedar Creek); Colorado.

Mesohippus grallipes Sinclair.

Sinclair, W. J. 1925 A, 58, 61, pl. iii, fig. 1.
Loomis, F. B. 1926 A, 106, pl. ix.
Upper Oligocene (Protoceras); South Dakota.

Mesohippus hypostylus Osborn.

Osborn, H. F. 1904 B, 170, pl. v *a*; text-fig. 2.
Abel, O. 1928 B, 38, figs. 16, 19.
Cook, H. J. 1912 D, 34.
Douglass, E. 1908 B, 269, pl. lxv, figs. 7-9 (This species?).
Matthew, W. D. 1909 C, 101.
O'Harra, C. C. 1920 A, 149.
Osborn, H. F. 1918 A, 6, 10, 37, 41, pl. i, fig. 2; pl. ii, fig. 3; text-fig. 22.
Lower Oligocene (Chadron); South Dakota, Nebraska.

Mesohippus latidens Douglass.

Douglass, E. 1903 A, 161, fig. 7.
Lambe, L. M. 1905 A, 244.
Matthew, W. D. 1909 C, 104.
Osborn, H. F. 1904 B, 168, 170.
1918 A, 10, 37, 39, text-fig. 19.
Lower Oligocene (Thompson's Creek); Montana.

Mesohippus montanensis Osborn.

Osborn, H. F. 1904 B, 170.
Lambe, L. M. 1905 A, 245.
1905 C, 46.
1908 A, 31.
Matthew, W. D. 1909 C, 104.
1913 F, 28, fig. 19.
1926 C, 151, fig. 7.
Osborn, H. F. 1918 A, 10, 37, 39, pl. ii, fig. 1; text-fig. 20.
Lower Oligocene (White River); Montana.

Mesohippus obliquidens Osborn.

Osborn, H. F. 1904 B, 173, pl. v *c*; text-fig. 4.
Cook, H. J. 1912 D, 37.
Matthew, W. D. 1909 C, 106.
O'Harra, C. C. 1920 A, 152.
Osborn, H. F. 1918 A, 11, 37, 48, pl. i, fig. 5; pl. ii, fig. 7; text-fig. 28.
Middle Oligocene (Brule); South Dakota, Nebraska.

Mesohippus planidens Lambe.

Lambe, L. M. 1905 C, 49, 51, pl. ii, fig. 7.
1908 A, 10, 37, 38, pl. iii, fig. 21.
Matthew, W. D. 1909 C, 104.
Osborn, H. F. 1918 A, 10, 37, 44, text-fig. 24.
Lower Oligocene (White River); Assiniboia.

Mesohippus portentus Douglass.

Douglass, E. 1908 B, 268, pl. lxv, figs. 1-4.
Loomis, F. B. 1926 A, 104.
Osborn, H. F. 1918 A, 10, 37, 40, text-fig. 21.
Lower Oligocene (White River); Montana.

Mesohippus præcocidens Lambe.

Lambe, L. M. 1905 C, 46, 51, pl. ii, fig. 2.
1908 A, 10, 34, 38, pl. iii, fig. 14.
Matthew, W. D. 1909 C, 104.
Osborn, H. F. 1918 A, 10, 37, 42, text-fig. 24.
Lower Oligocene (White River); Assiniboia.

Mesohippus propinquus Lambe.

Lambe, L. M. 1905 C, 47, 51, pl. ii, figs. 3, 4.
1908 A, 10, 35, 38, pl. iii, figs. 15, 16.
Matthew, W. D. 1909 C, 104.
Osborn, H. F. 1918 A, 10, 37, 43, text-fig. 24.
Lower Oligocene (White River); Assiniboia.

Mesohippus proteulophus Osborn.

Osborn, H. F. 1904 B, 171.
Abel, O. 1926 B, 404, fig. 257.
1928 B, 32.
Cook, H. J. 1912 D, 34.
Loomis, F. B. 1926 A, 104.
Matthew, W. D. 1909 C, 104.
O'Harra, C. C. 1920 A, 149.

Osborn, H. F. 1918 A, 10, 37, 41, pl. i, fig. 1; pl. ii, fig. 2; text-fig. 23.
Lower Oligocene (White River); South Dakota, Nebraska.

Mesohippus stenolophus Lambe.

Lambe, L. M. 1905 C, 48, 51, pl. ii, fig. 6.
1908 A, 10, 36, 38, pl. iii, figs. 18-20.
Matthew, W. D. 1909 C, 104.
Osborn, H. F. 1918 A, 37, 43, text-fig. 24.
Lower Oligocene (White River); Assiniboia.

Mesohippus trigonostylus Osborn.

Osborn, H. F. 1918 A, 5, 11, 37, 47, pl. ii, figs. 5, 6; text-fig. 27.
O'Harra, C. C. 1920 A, 152.
Sinclair, W. J. 1924 A, 124.
Middle Oligocene (Brule); South Dakota.

Mesohippus westoni (Cope).

Hay, O. P. 1902 A, 614 (Miohippus).
Lambe, L. M. 1904 C, 27, 38, 50.
1905 A, 243, pl. xiv.
1905 C, 44, 51, pl. ii, fig. 1.
1905 D, 367 A.
1908 A, 10, 33, 38, pl. iii, figs. 10-13.
Matthew, W. D. 1903 B, 218.
Osborn, H. F. 1903 G, 699.
1904 B, 168, 169.
1918 A, 10, 37, 38, pl. ii, fig. 10; text-fig. 18.
Lower Oligocene (Cypress Hills); Canada.

Mesohippus sp. indet.

Lambe, L. M. 1905 D, 367A. Oligocene (Cypress Hills); Canada.
Matthew, W. D. 1901 B, 356.
Osborn, H. F. 1904 B, 168.
1918 A, 16. Miocene (Alum Bluff); Florida.
Wanless, H. R. 1923 A, 220. Lower Oligocene (White River); Nebraska.

Miohippus Marsh. Type *M. annectans* Marsh.

Hay, O. P. 1902 A, 612.
Abel, O. 1919 A, 862.
1926 B, 396, 399, 415, 451.
1926 H, (161).
1928 B, 36, 93.
Arldt, T. 1907 D, 665.
Beddard, F. E. 1902 A, 248, 249.
Depéret, C. 1912 A, 710.
Fairchild, H. L. 1894 A, 209.
Fürbringer, M. 1902 A, 203 (Mesohippus, Miohippus).
Gidley, J. W. 1906 D, 386.
Gregory, W. K. 1920 B, 269.
1927 J, 444, figs. 1, 2.
Haug, E. 1911 A, 1529, 1705.
Heilprin, A. 1887 A, 371, 372.
Lobley, J. L. 1908 A, 212.
Loomis, F. B. 1926 A, 65, 108, 111, figs. 9, 21.
Lull, R. S. 1907 A, 173, 175, fig. 4.
1917 B, 611.
Lydekker, R. 1904 A, 18.
1912 A, 266.
Marsh, O. C. 1874 E, 289, 291, fig. 75.
Matsumoto, H. 1921 A, 75, 88.
Matthew, W. D. 1902 H, 40 (Anchitherium).
1907 A, 175.
1909 C, 111.
1913 F, 17, figs. 19, 21.
1914 G, 234.
1915 A, 236, 313.
1915 K, 413, 456.
1916 J, 9, 12.
1917 A, 574.
1924 B, 630.
1924 D, 1.
1924 E, 748.
1924 G, 630.
1926 B, 5, 6.
1926 C, 150, 161, 167, fig. 7.
1928 B, 979, fig. 15.
Merriam, J. C. 1913 G, 424.
1915 G, 99.
Noack, T. 1880 A, 78.
O'Harra, C. C. 1910 A, 96, 129.
Osborn, H. F. 1910 B, 227, 230, 555.
1912 G, 246.
1918 A, 4, 5, 22, 51.
Palacký, J. 1903 B, 312.
Palmer, T. S. 1904 A, 426, 937.
Pavlow, M. 1915 A, 35.
Regnault, F. 1903 A, 110.
Scharff, R. F. 1911 A, 147.
Schlosser, M. 1898 C, 373.
1924 A, 68.
Schmidt, O. 1886 A, 213, fig. 38.
Schuchert and Levene 1927 A, 347, fig.
Scott, W. B. 1913 A, 299.
Sefve, I. 1927 A, 81.
Shufeldt, R. W. 1889 D, 11.
Sinclair, W. J. 1924 A, 122.
1925 A, 61.
Thorpe, M. R. 1927 A, 168.
Trouessart, E. L. 1905 A, 616, 617.
Underhill, B. M. 1907 A, 117, 120.
Veith, A. 1912 A, 13.
Wallace, A. R. 1876 A, I, 135.
Wanless, H. C. 1923 A, 231.
Weber, M. 1904 A, 620.
Weber and Abel 1928 A, xxiii, 679.
Wright, R. R. 1883 A, 251.
Zittel and Schlosser 1911 A, 460 (Syn. of Anchitherium).
1923 A, 546, 550, 671, 672.

Miohippus acutidens (Sinclair).

Sinclair, W. J. 1905 A, 141, pl. xviii (Mesohippus).
Abel, O. 1914 A, 248, fig. 219 (Mesohippus).
Loomis, F. B. 1926 A, 112.
Matthew, W. D. 1909 C, 108 (Mesohippus).
Merriam and Sinclair 1907 A, 186, 191, 192 (Mesohippus).
Osborn, H. F. 1909 D, 68 (Mesohippus).
1918 A, 12, 52, 64, pl. iii, figs. 14, 15; text-fig. 43.
Upper Oligocene (John Day); Oregon.

Miohippus anceps Marsh.

Hay, O. P. 1902 A, 613.
Abel, O. 1912 F, 234, fig. 162.
1913 B, 754, fig. 102.
1914 A, 136, fig. 94.
1914 D, 26, fig. 1.
1920 A, 449, fig. 686.
1922 C, 274, fig. 231.
Douglass, E. 1903 A, 151 (This species?).
Joleaud, L. 1919 D, 413 (Kalobatippus).
Loomis, F. B. 1926 A, 109.
Lull, R. S. 1907 A, 176, fig. 10.
Marsh, O. C. 1874 E, 290 (Anchitherium).
Matthew, W. D. 1909 C, 108.
Merriam and Sinclair 1907 A, 186 (Mesohippus).
Osborn, H. F. 1904 B, 168 (This genus?).
1918 A, 12, 52, 58, text-fig. 36.
Upper Oligocene (John Day); Oregon.

Miohippus annectens Marsh.

Hay, O. P. 1902 A, 613.
Douglass, E. 1903 A, 151 (This species?).
Loomis, F. B. 1926 A, 112.
Lull, R. S. 1907 A, 176.
1913 A, 4.
Marsh, O. C. 1874 E, 290, fig. 74.
Matthew, W. D. 1909 C, 108 (M. annectens); 113 (This species?).
Merriam and Sinclair 1907 A, 186 (Mesohippus).
Osborn, H. F. 1904 B, 168.
1918 A, 12, 52, 63, pl. iii, figs. 14, 15; text-fig. 43.
Upper Oligocene (John Day); Oregon: Miocene (Harrison); Montana.

Miohippus blackbergi Hay.

Hay, O. P. 1924 A, 4, pl. i, figs. 4-8; pl. iii, fig. 3.
Upper Miocene (Fleming); Texas.

Miohippus brachylophus (Cope).

Hay, O. P. 1902 A, 613.
Matthew, W. D. 1909 C, 108 (Mesohippus).
Merriam and Sinclair 1907 A, 186 (Mesohippus).
Osborn, H. F. 1904 B, 168 (Mesohippus).
1918 A, 12, 52, 60, pl. iii, fig. 9; pl. v, fig. 3; text-fig. 38.
Upper Oligocene (John Day); Oregon.

Miohippus brachystylus (Osborn).

Osborn, H. F. 1904 B, 175, pl. v *e;* text-fig. 6 (Mesohippus).
Cook, H. J. 1912 D, 38 (Mesohippus).
Douglass, E. 1908 B, 270, pl. lxv, figs. 5, 6 (Mesohippus. This species?).
Lambe, L. M. 1905 C, 48, 51, pl. ii, fig. 5 (Mesohippus).
1908 A, 10, 36, pl. iii, fig. 17 (Mesohippus).
Loomis, F. B. 1926 A, 108.
Matthew, W. D. 1909 C, 104 (Mesohippus brachystylus); 108 (Mesohippus brachystylus?).
O'Harra, C. C. 1920 A, 154 (Mesohippus).
Osborn, H. F. 1918 A, 5, 12, 51, 52, pl. i, fig. 8; pl. iii, fig. 2; text-fig. 31.
Sinclair, W. J. 1905 A, 142 (Mesohippus).
Lower Oligocene (White River); Canada: Upper Oligocene (Brule); South Dakota, Nebraska.

Miohippus condoni (Leidy).

Hay, O. P. 1902 A, 613.
Loomis, F. B. 1926 A, 112.
Marsh, O. C. 1874 E, 290.
Matthew, W. D. 1909 C, 108.
Merriam, J. C. 1907 A, 186 (Mesohippus).
Osborn, H. F. 1904 B, 168.
1918 A, 12, 52, 63, pl. iii, fig. 12; text-fig. 42.
Upper Oligocene (John Day); Oregon.

Miohippus crassicuspis Osborn.

Osborn, H. F. 1904 B, 178.
Cook, H. J. 1912 D, 38.
Loomis, F. B. 1926 A, 108.
Matthew, W. D. 1909 C, 108.
O'Harra, C. C. 1920 A, 154.
Osborn, H. F. 1904 B, 177 (M. crassicuspis, Mesohippus copei, in part).
1904 F, 13 (Mesohippus copei, limb).
1918 A, 12, 50, 52, 57, pl. iii, fig. 11; text-fig. 35.
Upper Oligocene (Brule); South Dakota, Nebraska.

Miohippus equiceps (Cope).

Hay, O. P. 1902 A, 614.
Loomis, F. B. 1926 A, 109.
Matthew, W. D. 1909 C, 108 (Mesohippus equiceps); 113 (Mesohippus equiceps?).
Merriam and Sinclair 1907 A, 186, 188, 189, 190, 191, 192 (Mesohippus).
Osborn, H. F. 1904 B, 168 (Mesohippus).
1918 A, 12, 52, 59, pl. iii, fig. 10; pl. v, figs. 4, 5; pl. vi, fig. 1; text-fig. 37.
Upper Oligocene (John Day); Oregon: Lower Miocene? (Harrison); Montana.

Miohippus equinanus Osborn.

Osborn, H. F. 1918 A, 13, 52, 65, pl. iii, fig. 6; text-fig. 45.
Hay, O. P. 1924 A, 5.
Loomis, F. B. 1926 A, 113.
O'Harra, C. C. 1920 A, 156.
Lower Miocene (Lower Rosebud); South Dakota.

Miohippus gemmarosæ Osborn.

Osborn, H. F. 1918 A, 6, 13, 52, 66, pl. iii, fig. 7; pl. iv, figs. 1-4, 9; text-figs. 46, 47.
Abel, O. 1928 B, 41, fig. 19.
Hay, O. P. 1924 A, 6.
Loomis, F. B. 1926 A, 113.
O'Harra, C. C. 1920 A, 156.
Lower Miocene (Lower Rosebud); South Dakota.

Miohippus gidleyi Osborn.

Osborn, H. F. 1904 B, 178, pl. v *g;* text-fig. 8.
Cook, H. J. 1912 D, 38.
Loomis, F. B. 1926 A, 108.
Matthew, W. D. 1909 C, 108.
O'Harra, C. C. 1920 A, 154.
Osborn, H. F. 1918 A, 5, 12, 52, 56, pl. i, fig. 10; pl. iii, fig. 4; pl. xxxix, figs. 1, 16, 19; pl. li, figs. 8, 12; text-fig 34.

Sinclair, W. J. 1925 A, 58.
Upper Oligocene (Brule); South Dakota, Nebraska.

Miohippus intermedius Osborn and Wortman.

Hay, O. P. 1902 A, 614.
Cook, H. J. 1912 D, 38 (Mesohippus).
Lambe, L. M. 1905 C, 49 (Mesohippus).
Loomis, F. B. 1926 A, 108, pl. ix.
Lull, R. S. 1907 A, 174 (Mesohippus).
Lydekker, R. 1912 A, 268.
Matthew, W. D. 1901 B, 370, 371 (Mesohippus).
1909 C, 108 (Mesohippus).
1926 C, 155, figs. 12, 13.
O'Harra, C. C. 1910 A, 97, pl. xxxiii, fig. 2.
1920 A, 103, 154, fig. 42 (Mesohippus).
Osborn, H. F. 1904 B, 168, 176, fig. 7 (Mesohippus).
1904 F, 13 (Mesohippus).
1918 A, 12, 52, 54, pl. i, fig. 9; pl. iii, fig. 3; text-fig. 32.
Schlosser, M. 1898 C, 373 (Mesohippus).
1899 R, 316, 317 (Mesohippus).
Sinclair, W. J. 1925 A, 55, pl. iii, fig. 2.
Stromer, E. 1912 A, 203, fig. 188 (Mesohippus).
Veith, A. 1912 A, 12, 22 (Mesohippus).
Weber and Abel 1928 A, 678, fig. 465.
Woodward, A. S. 1898 B, 328, fig. 188 (Mesohippus).
Upper Oligocene (Brule); South Dakota, Nebraska.

Miohippus longicristis (Cope).

Hay, O. P. 1902 A, 614.
Matthew, W. D. 1909 C, 108.
Merriam and Sinclair 1907 A, 186 (Mesohippus).
Osborn, H. F. 1904 B, 168 (Mesohippus).
1918 A, 12, 52, 61, pl. v, fig. 1.
Upper Oligocene (John Day); Oregon.

Miohippus meteulophus (Osborn).

Osborn, H. F. 1904 B, 174, pl. v *d* (Mesohippus).
Cook, H. J. 1912 D, 38 (Mesohippus).
Gregory, W. K. 1920 B, pl. xviii.
Loomis, F. B. 1926 A, 108.
Lull, R. S. 1913 A, 3 (Mesohippus).
Matthew, W. D. 1909 C, 108 (Mesohippus).
O'Harra, C. C. 1920 A, 154 (Mesohippus).
Osborn, H. F. 1918 A, 12, 51, 52, pl. i, fig. 7; pl. iii, fig. 1; text-fig. 30.
Upper Oligocene (Brule); South Dakota, Nebraska.

Miohippus navasotæ Hay.

Hay, O. P. 1924 A, 5, pl. i, figs. 9-13.
Upper Miocene (Fleming); Texas.

Miohippus primus Osborn.

Osborn, H. F. 1918 A, 12, 52, 61, pl. iii, fig. 13; pl. iv, fig. 5; text-fig. 39.
Loomis, F. B. 1926 A, 109.
Upper Oligocene (Middle John Day); Oregon.

Miohippus quartus Osborn.

Osborn, H. F. 1918 A, 12, 52, 62, pl. iii, fig. 8; pl. iv, figs. 6, 8; pl. v, fig. 2; text-figs. 40, 41.
Matthew, W. D. 1926 C, 155, fig. 11.
Upper Oligocene (John Day); Oregon.

Miohippus validus (Osborn).

Osborn, H. F. 1904 B, 177 (Mesohippus).
Abel, O. 1928 B, 39, fig. 17.
Cook, H. J. 1912 D, 38.
Loomis, F. B. 1926 A, 108.
Matthew, W. D. 1909 C, 108.
O'Harra, C. C. 1920 A, 154.
Osborn, H. F. 1918 A, 12, 52, 55, pl. i, fig. 4; pl. iii, fig. 5; text-fig. 33.
Sinclair, W. J. 1925 A, 58, 62.
Upper Oligocene (Brule); South Dakota, Nebraska.

Anchitherium Meyer. Type *A. aurelianense* (Blainville).

Hay, O. P. 1902 A, 615.
Abel, O. 1909 E (246).
1912 C, (61).
1912 F, 235, fig. 164.
1913 B, 754a, fig. 104.
1914 A, 246.
1926 H, (162), (163) (Kalobatippus).
1928 B, 63, 68, figs. 40, 41 (Anchitherium); 63, 71, 82 (Kalobatippus).
Ameghino, F. 1889 A, 1006.
1904 A, 126, 231, 232.
Antonius, O. 1913 A, 245.
Arldt, T. 1907 D, 255, 257.
Beddard, F. E. 1902 A, 248.
Boas, J. E. V. 1914 B, 597, figs. 43, 44.
Boule, M. 1905 A, 1664.
Bronn, H. G. 1848 A, 72.
1849 A, 706.
Case, E. C. 1899 B, 164.
Condon, T. 1902 A, 127, pls. xxii, xxiii ("Anchitherium").
Depéret, C. 1905 A, 1518.
Edinger, T. 1928 A, 390, fig. 7.
Flower, W. H. 1892 A, 38, 72.
Fejérváry, G. J. de 1921 B, 183.
Gaudry, A. 1875 D, 1282.
1896 A, 87, fig. 62.
Gervais, P. 1859 A, 83.
Gidley, J. W. 1907 A, 867.
Gregory, W. K. 1920 B, 269 (Kalobatippus).
Heilprin, A. 1887 A, 371, 372.
Hoernes, R. 1886 A, 671.
Huxley, T. H. 1870 F, 533.
1876 F, 185.
Joleaud, L. 1919 D, 412.
Lobley, J. L. 1908 A, 212.
Loomis, F. B. 1926 A, 108, 113, 115 (Kalobatippus).
Lull, R. S. 1913 A, 13.
1917 B, 611.
Lydekker, R. 1904 A, 18, fig. 3.
1907 A, 5.
1912 A, 263, 266.
1912 B, 221.
Marsh, O. C. 1874 E, 291.
Matsumoto, H. 1921 A, 88 (Kalobatippus).

Matthew, W. D. 1901 B, 369, 374, 445.
1903 A, 19.
1907 A, 172, 178.
1909 C, 111, 119.
1913 F, 17, 25, fig. 16.
1915 A, 236, 314.
1915 K, 456.
1924 E, 748 (Kalobatippus).
1926 C, 166, 167 (Kalobatippus).
1928 B, 979, fig. 15.
Merriam, J. C. 1913 G, 424.
Osborn, H. F. 1901 F, 499.
1901 G, 159.
1902 H, 715.
1907 G, 162, figs. 135, 161, 164.
1909 D, 75.
1910 B, 606.
1912 G, 246, fig. 9.
1915, in Cope and Matthew 1915 A, pl. cviii (Kalobatippus; type *Anchitherium præstans* Cope).
1918 A, 4, 5 (Anchitherium); 4, 5, 69 (Kalobatippus).
Palmer, T. S. 1904 A, 102, 937.
Pictet, F. J. 1853 A, 313.
Scharff, R. F. 1911 A, 148.
Schlosser, M. 1903 I, 76, 211, 219.
Schmidt, O. 1886 A, 203, fig. 36.
Scott, W. B. 1913 A, 299.
Seeley, H. G. 1878 A, 224.
Sefve, I. 1927 A, 80.
Thorpe, M. R. 1927 A, 168.
Tims, H. W. M. 1903 A, 143, fig. 3*b*.
Tornier, G. 1888 A, 303.
Underhill, B. M. 1907 A, 117.
Veith, A. 1912 A, 5.
Wallace, A. R. 1876 A, 1, 119, 125, 135.
Weber, M. 1904 A, 620.
Weber and Abel 1928 A, xix, 417, 677, 683, fig. 260.
Winge, H. 1906 A, 149.
Zittel, K. A. 1897 A, 126.
Zittel and Schlosser 1911 A, 460.
1923 A, 541, figs. 670, 671.

Anchitherium agatense (Osborn).

Osborn, H. F. 1918 A, 13, 69, 71, pl. v, fig. 7; pl. xxxix, figs. 17, 20, 40; text-fig. 50 (Kalobatippus).
Abel, O. 1926 B, 435, 448 (Kalobatippus).
Joleaud, L. 1919 D, 413 (Kalobatippus).
Loomis, F. B. 1926 A, 119, fig. 26 (Kalobatippus).
Miller, G. S. 1920 B, 191 (Kalobatippus).
O'Harra, C. C. 1920 A, 157 (Kalobatippus).
Romer, A. S. 1926 B, 326, figs. 1-4.
Lower Miocene (Lower Harrison); Nebraska.

Anchitherium gracile (Marsh).

Hay, O. P. 1902 A, 618 (Pliohippus).
Gidley, J. W. 1907 A, 875, 911 (Pliohippus).
Lull, R. S. 1907 A, 178 (Pliohippus).
Matthew, W. D. 1909 C, 117 (Protohippus).
Osborn, H. F. 1918 A, 16, 69, 71, text-figs. 49, 51 (Kalobatippus).
Romer, A. S. 1926 B, 332 (Kalobatippus).
Trouessart, E. L. 1905 A, 639 (Pliohippus).
Troxell, E. L. 1916 A, 344 (Pliohippus).
Lower Miocene (Upper John Day); Oregon.

Anchitherium præstans (Cope).

Hay, O. P. 1902 A, 614 (Miohippus).
Cope and Matthew 1915 A, pl. cviii, figs. 1-8 (Anchitherium, Kalobatippus).
Gregory, W. K. 1920 B, pl. xviii (Kalobatippus).
Joleaud, L. 1919 D, 413 (Kalobatippus).
Loomis, F. B. 1926 A, 114, fig. 22 (Kalobatippus).
Matthew, W. D. 1909 C, 108.
Miller, G. S. 1920 B, 191 (Kalobatippus).
Osborn, H. F. 1904 B, 168.
1909 D, 68.
1918 A, 12, 69, 70, pl. v, figs. 6, 10, 12; pl. vi, fig. 3; pl. li, figs. 10, 14; text-figs. 48-51 (Kalobatippus).
Romer, A. S. 1926 B, 327 (Kalobatippus).
Schlosser, M. 1898 C, 374.
1899 R, 317 (Mesohippus).
Zittel and Schlosser 1923 A, 546.
Lower Miocene (Upper John Day); Oregon.

Hypohippus Leidy. Type *H. affinis* Leidy.

Hay, O. P. 1902 A, 615.
Abel, O. 1909 E, (247).
1914 A, 246.
1926 B, 396, 399, 435, 447.
1928 B, 63, 70, fig. 43.
Ameghino, F. 1904 A, 266, 493.
Anonymous 1908 B, 122.
Arldt, T. 1909 C, 458.
Barbour, E. H. 1914 A, 171.
Beasley, W. L. 1903 A, 451.
Douglass, E. 1909 A, 477.
Gidley, J. W. 1904 B, 191, 194.
1906 D, 386.
1907 A, 867, 880.
1908 B, 237.
Gregory, W. K. 1908 A, 122.
1912 F, 286.
1917 D, 633, fig. 1.
1920 B, 269.
Haug, E. 1911 A, 1705, 1706.
Loomis, F. B. 1910 C, 293 (Hyohippus)
1925 A, 248.
1926 A, 18, fig. 6.
Lull, R. S. 1904 C, 6.
1907 A, 177.
1913 A, 12.
1917 B, 224, 298, 611, fig. 219.
Lydekker, R. 1912 A, 261, fig.
Matsomoto, H. 1921 A, 75, 85, 88.
Matthew, W. D. 1903 A, 19, pls. v, vi.
1907 A, 175.
1908 I, 122.
1909 C, 119.
1913 F, 17, 25, fig. 16.
1915 A, 236, 313.
1915 K, 456.
1916 J, 11.
1918 A, 211.
1924 C, 69, 153, 157, 171 (Hypohippus); 172 (Drymohippus)

Matthew, W. D. 1924 E, 748.
1926 C, 166, 167.
1926 D, 453, fig. 5.
Matthew and Cook 1909 A, 386.
Merriam, J. C. 1907 A, 381.
1911 B, 206, 208, 215, 217, 221, 258.
1913 G, 424 (Hypohippus); 420 (subgenus Drymohippus, type *D. nevadensis*).
1915 F, 255.
1916 A, 181 (Hypohippus, Drymohippus).
1917 A, 443.
1919 A, 472.
Osborn, H. F. 1904 O, 156.
1904 R, 9.
1905 I, 92, pl. x.
1905 J, 282.
1905 K, 608.
1909 D, 78, 80, 81.
1910 B, 618, fig. 148.
1915 B, 222.
1917 B, 266, 267, fig.
1918 A, 4, 5, 15, 20, 22, 28, 29, 203.
Palmer, T. S. 1904 A, 342, 937.
Pavlow, M. W. 1925 A, 317.
Romer, A. S. 1926 B, 332.
Schlosser, M. 1924 A, 68.
Scott, W. B. 1913 A, 297, 300.
Stock, C. 1926 A, 62.
Thorpe, M. R. 1927 A, 168.
Trouessart, E. L. 1905 A, 618.
Troxell, E. L. 1916 A, 339.
Weber and Abel 1928 A, 677, 683.
Winge, H. 1906 A, 149 (Hyphippus).
Zittel and Schlosser 1911 A, 461.
1923 A, 547, 673, 679.

Hypohippus affinis Leidy.

Hay, O. P. 1902 A, 615.
Ameghino, F. 1904 A, 260, fig. 362.
Barbour, E. H. 1914 A, 173, fig. 1.
Cook, H. J. 1912 D, 44 (This species?).
Gidley, J. W. 1906 C, 135, fig. 1.
1907 A, 879.
Loomis, F. B. 1926 A, 118.
Matthew, W. D. 1909 C, 117.
1918 A, 186, 211 (This species?)
1924 C, 66.
Merriam, J. C. 1911 B, 258.
1913 G, 421.
1917 A, 436 (This species?).
1919 A, 450, 472, 527, figs. 28-31 (This species?).
Merrill, G. P. 1907 A, 22 (Anchitherium); 42 (Hypohippus).
O'Harra, C. C. 1920 A, 158.
Osborn, H. F. 1918 A, 25, 28, 204, 207, pl. xxxv, fig. 1; text-fig. 169.
Palacký, J. 1903 B, 317 (Hyohippus).
Sinclair, W. J. 1915 A, 76 (This species?).
Upper Miocene or Lower Pliocene (Niobrara River); Nebraska: Pliocene (Snake Creek); Nebraska: Miocene (Barstow); California.

Hypohippus equinus (Scott).

Hay, O. P. 1902 A, 615 (Anchitherium).
Abel, O. 1912 F, 234, fig. 162.
1913 B, 754, fig. 102.
1914 A, 136, fig. 94.
Abel, O. 1914 D, 26, fig. 1.
1920 A, 449, fig. 686.
1922 C, 274, fig. 231.
1926 B, 400.
Ameghino, F. 1904 A, 230, 231, fig. 306.
Beddard, F. E. 1902 A, 249.
Gidley, J. W. 1904 B, 192.
1907 A, 875, 923.
1908 B, 236, fig. 1 (This species?).
Lull, R. S. 1907 A, 176, fig. 11.
1917 B, 615, fig. 219.
Matsumoto, H. 1921 A, 75.
Matthew, W. D. 1909 C, 115.
1924 C, 171.
Merriam, J. C. 1911 B, 258.
Osborn, H. F. 1904 F, 13, 14, 35.
1918 A, 16, 17, 203, 204, text-fig. 167.
Romer, A. S. 1926 B, 326.
Trouessart, E. L. 1905 A, 617 (Anchitherium).
Middle Miocene (Deep River); Montana, Colorado; (Virgin Valley); Nevada.

Hypohippus matthewi Barbour.

Barbour, E. H. 1914 A, 171, pls. i, ii.
Abel, O. 1926 B, 399, 424, 435, fig. 270.
1928 B, 70.
Barbour and Cook 1917 A, 172.
Loomis, F. B. 1926 A, 118.
Osborn, H. F. 1918 A, 29, 204, 209, text-fig. 171.
Stock, C. 1926 A, 62.
Upper Miocene or Lower Pliocene (Devil's Gulch), Nebraska.

Hypohippus nevadensis Merriam.

Merriam, J. C. 1913 G, 420, 421, figs. 1, 2 [Hypohippus (Drymohippus)].
Clark, B. L. 1921 A, table.
Loomis, F. B. 1926 A, 118.
Louderback, G. D. 1924 A, 9.
Merriam, J. C. 1916 A, 182, figs. 18, 19 [Hypohippus (Drymohippus)].
Osborn, H. F. 1918 A, 22, 204, 208, text-fig. 170.
Stock, C. 1926 A, 62, pl. xi; text-fig. 1 [Hypohippus (Drymohippus)].
Miocene (Stewart Valley); Nevada: (Cedar Mountain); California.

Hypohippus osborni Gidley.

Gidley, J. W. 1907 A, 876, 930.
Abel, O. 1928 B, 70, fig. 42.
Gidley, J. W. 1927 D, 268, fig.
Gregory, W. K. 1920 B, 273, pl. xviii.
Loomis, F. B. 1926 A, 12, 116, pl. ii, figs. 22, 26.
Louderback, G. D. 1924 A, 9 (This species?).
Lydekker, R. 1912 A, 264.
Matthew, W. D. 1909 C, 115.
1924 C, 66, 72, 171.
1926 C, 166, fig. 14.
Matthew and Cook 1909 A, 386.
Merriam, J. C. 1911 B, 205, 214, figs. 25-28 (This species?).
1913 G, 421.
1916 A, 186, fig. 20 (This species?).
Osborn, H. F. 1910 B, 295, fig. 147.
1918 A, 17, 19, 204, 207, pl. v, fig. 9; pl. vi, fig. 4; pl. xxxv, figs. 2, 4; pl. xxxix, figs. 8, 11; pl. li, figs. 2, 5; text-figs. 51, 168.
Peterson, O. A. 1906 C, 57.

Romer, A. S. 1926 B, 335.
Stock, C. 1926 A, 62.
Upper Miocene (Pawnee Creek); Colorado: (Lower Snake Creek); Nebraska: (Virgin Valley); Nevada: (Cedar Mt.); California.

Hypohippus pertinax Matthew.

Matthew, W. D. 1918 A, 186, 211.
1924 C, 66, 171.
Osborn, H. F. 1918 A, 28.
Upper and Middle Miocene (Snake Creek, Sheep Creek); Nebraska.

Hypohippus sp. indet.

Buwalda, J. P. 1916 A, 80. Miocene (Mojave Desert); California.
Buwalda, J. P. 1924 A, 372. Middle Neocene Payette); **Idaho.**
Gidley, J. W. 1906 C, 136, fig. 2. Miocene; South Dakota.
1908 B, 240, figs. 4, 5 (This genus?). Miocene (Virgin Valley); Nevada.
Matthew, W. D. 1909 C, 115, 117. Miocene (Middle); Colorado: (Arikaree); South Dakota.
Merriam, J. C. 1911 B, 259, fig. 24. Miocene (Virgin Valley); Nevada.
1917 A, 436, 438.
Sinclair, W. J. 1915 A, 76. Pliocene (Snake Creek); Nebraska: (Republican River); Kansas.

EQUINÆ.

Hay, O. P. 1902 A, 616.
Antonius, O. 1919 A, 275.
Arldt, T. 1907 D, 257.
1909 C, 458 ("equinen," "protohippinen").
1912 A, 746 (Equinæ); 700, 746 (Protohippinæ).
Gidley, J. W. 1907 A, 869, 871 (Equinæ); 868, 871, 934 (Protohippinæ).
Hay, O. P. 1914 A, 151 (Equinæ); 146 (Protohippinæ).
Lydekker, R. 1912 A, 262 (Protohippinæ).
Matthew, W. D. 1907 A, 175 (Protohippinæ).
Osborn, H. F. 1909 D, 8 6(Equinæ); 78 (Hippotherinæ).
Pavlow, M. W. 1925 A, 317, 320 (Protohippinæ).
Troxell, E. L. 1916 A, 341 (Protohippinæ).
Weber, M. 1904 A, 621.
Zittel and Schlosser 1911 A, 461.
1923 A, 547.

PARAHIPPUS Leidy. Type *Anchitherium cognatum* Leidy.

Leidy, J. 1858 E, 26.
Hay, O. P. 1902 A, 615 (Anchippus, Desmatippus); 616 (Merychippus, in part).
Abel, O. 1909 E, (247).
1912 F, 629.
1914 A, 247.
1926 B, 360, 396, 400, 415, 423, 434, 454, fig. 255 (Parahippus); 396, 435 (Archæohippus).
1926 H, (161) (Parahippus); (162) (Archæohippus).
1928 B, 36, 63, 93 (Parahippus); 67 (Archæohippus).
Ameghino, F. 1904 A, 264 (Anchippus); 265, 493 (Parahippus).
Arldt, T. 1909 C, 458.
Barbour, E. H. 1914 C, 222.
Beddard, F. E. 1902 A, 249 (Desmatippus).
Boas, J. E. V. 1914 B, 597 (Altippus).
Boule and Thevenin 1920 A, 117.
Case, E. C. 1899 B, 164 (Desmatippus).
Cockerell, T. D. A. 1908 B, 683.
Douglass, E. 1908 B, 271 (Altippus, type *A. taxus* Douglass).
Gidley, J. W. 1904 B, 192, 194.
1906 D, 385 (Archæohippus, type *Anchitherium ultimum* Cope).
1907 A, 867, 881, 921.
Gregory, W. K. 1920 B, 269.
1927 J, 444, figs. 1, 2.
Haug, E. 1911 A, 1705, 1706.
Heilmann, G. 1916 A, 122.
Loomis, F. B. 1910 C, 293.
1925 A, 248.
1926 A, 60, 64, 121, figs. 7, 8, 9, 24 (Parahippus); 120 (Archæohippus).
Lull, R. S. 1913 A, 7, 12 (Parahippus, Merychippus).
1917 B, 611.
Lydekker, R. 1912 A, 265 (Parahippus, Anchippodus, Desmathippus).
Major, C. J. F. 1877 A, 5.
Marsh, O. C. 1874 E, 290 (Parahippus); 291 (Anchippus).
Matsumoto, H. 1921 A, 75.
Matthew, W. D. 1901 B, 370, 371, 374 (Anchippus); 373 (Desmatippus).
1907 A, 172, 175, 176, 178 (Parahippus); 175 (Archæohippus).
1909 C, 119 (Parahippus, Archæohippus).
1913 F, 17, 25, figs. 10, 16, 19.
1914 G, 234.
1915 A, 236, 313.
1915 K, 413, 456.
1916 J, 9, 11.
1918 A, 211.
1924 B, 630.
1924 C, 69, 153, 157 (Parahippus); 157 (Desmatippus); 158 (Archæohippus).
1924 D, 1.
1924 E, 748, 751.
1924 G, 630.
1926 B, 5, 6.
1926 C, 150, 161, figs. 7, 15 (Parahippus); 166 (Archæohippus).
1928 B, 979, fig. 15.
Matthew and Cook 1909 A, 386.
Merriam, J. C. 1911 B, 217, 221 (Parahippus); 207 (Archæohippus).
1913 G, 420, 433 (Parahippus); 420, 424, 431 (Archæohippus).
1915 E, 233.
1915 F, 255.

Merriam, J. C. 1919 A, 472, 478 (Parahippus); 476 (Archæohippus).
O'Harra, C. C. 1910 A, 96, 131.
Osborn, H. F. 1904 B, 168 (Miohippus, Parahippus).
1907 F, 872.
1909 D, 132 (Parahippus); 78 (Archæohippus).
1910 B, 627 (Parahippus); 287 (Altippus); 292, 555 (Archæohippus).
1912 G, 247, 249.
1918 A, 4. 5, 20, 22, 24, 74 (Parahippus); 15, 22 (Archæohippus).
Palacký, J. 1903 B, 312 (Desmatippus).
Palmer, T. S. 1904 A, 513, 937 (Parahippus); 101, 937 (Anchippus); 223, 937 (Desmatippus).
Pavlow, M. 1903 A, 181 (Desmotippus).
1915 A, 35 (Desmotippus).
1925 A, 317.
Peterson, O. A. 1906 C, 35.
Scott, W. B. 1913 A, 290 (Desmatippus); 297 (Parahippus).
Sefve, I. 1927 A, 81.
Sellards, E. H. 1916 B, 84, 91 (Parahippus); 86 (Archæohippus).
Thorpe, M. R. 1927 A, 168.
Wallace, A. R. 1876 A, 1, 135 (Anchippus); 136 (Parahippus).
Wanless, H. R. 1923 A, 232.
Weber, M. 1904 A, 621 (Desmatippus).
Weber and Abel 1928 A, xxii, 679, 680.
Zittel and Schlosser 1911 A, 461 (Parahippus, Altippus).
1923 A, 546, 550, 673 (Parahippus); 546 (Archæohippus).

Parahippus agrestis (Leidy).

Hay, O. P. 1902 A, 613 (Miohippus).
Dall and Harris 1892 A, 287 (Anchitherium).
Osborn, H. F. 1904 B, 168 (Parahippus?).
1918 A, 15, 75, 86, text-fig. 63.
Sellards, E. H. 1916 B, 86 (Archæohippus).
Miocene? (Red Rock Creek); Montana.

Parahippus australis (Leidy).

Hay, O. P. 1902 A, 613 (Miohippus).
Osborn, H. F. 1904 B, 168 (Hypohippus).
1918 A, 13, 75, 85, text-fig. 60.
Upper Miocene; Texas.

Parahippus avus (Marsh).

Hay, O. P. 1902 A, 616 (Merychippus).
Gidley, J. W. 1907 A, 873, 895 (Parahippus?).
Loomis, F. B. 1926 A, 123.
Matthew, W. D. 1909 C, 115.
Merriam, J. C. 1911 B, 205, 214, 261, fig. 29 (This species?).
Merriam and Sinclair 1907 A, 195 (Protohippus).
Osborn, H. F. 1918 A, 16, 22, 74, 75, 87, pl. vi, fig. 7; pl. viii, figs. 6, 9, 10; pl. ix, fig. 4; text-figs. 64, 65.
Trouessart, E. L. 1905 A, 638 (Merychippus).
Middle Miocene (Mascall); Oregon: (Virgin Valley); Nevada.

Parahippus brevidens (Marsh).

Hay, O. P. 1902 A, 615 (Anchippus).
Abel, O. 1928 B, 36, fig. 19.
Gidley, J. W. 1906 D, 388.
1907 A, 873, 896 (Anchippus).
Lull, R. S. 1913 A, 7.
Marsh, O. C. 1874 E, 291 (Anchippus).
Matthew, W. D. 1909 C, 115.
1924 C, 157 (Parahippus); 159 (Merychippus).
Merriam and Sinclair 1907 A, 195, 196.
Osborn, H. F. 1918 A, 6, 15, 16, 75, 89, pl. viii, fig. 11; text-fig. 66.
Palacký, J. 1903 B, 317 (Anchippus).
Sellards, E. H. 1916 B, 85.
Trouessart, E. L. 1905 A, 618 (Anchippus).
Upper Miocene (Mascall?); Oregon.

Parahippus cognatus Leidy.

Hay, O. P. 1902 A, 617 (Merychippus perditus, in part).
Abel, O. 1928 B, 41.
Ameghino, F. 1904 A, 265.
Cook, H. J. 1912 D, 44 (This species?).
Gidley, J. W. 1906 D, 388.
1907 A, 872, 881.
1908 B, 237.
Loomis, F. B. 1926 A, 123.
Marsh, O. C. 1874 E, 291.
Matthew, W. D. 1909 C, 117.
1918 A, 186.
1924 C, 155, 159, figs. 44-46 (This species?).
Matthew and Cook 1909 A, 386.
Merriam, J. C. 1917 A, 436 (This species?).
Merrill, G. P. 1907 A, 22 (Anchitherium); 54 (Parahippus).
O'Harra, C. C. 1920 A, 154.
Osborn, H. F. 1918 A, 5, 25, 28, 74, 75, 94, pl. viii, fig. 8; pl. ix, fig. 5; pl. xxv, fig. 2; text-fig. 71.
Palacký, J. 1903 B, 317.
Sinclair, W. J. 1915 A, 76 (This species?).
Trouessart, E. L. 1905 A, 618.
Upper Miocene (Niobrara River); Nebraska.

Parahippus coloradensis Gidley.

Gidley, J. W. 1907 A, 876, 932.
Matthew, W. D. 1909 C, 115.
1924 C, 155.
Osborn, H. F. 1918 A, 19, 74, 75, 93, pl. viii, figs. 7, 12; text-fig. 70.
Sellards, E. H. 1916 B, 85.
Lower Pliocene (Pawnee Creek); Colorado.

Parahippus coloradensis præcurrens Osborn.

Osborn, H. F. 1918 A, 13, 74, 75, 83, pl. viii, fig. 1; pl. ix, fig. 1; pl. xxxvi, figs. 2, 3; text-fig. 58.
Abel, O. 1928 B, 42 (P. præcurrens).
Loomis, F. B. 1926 A, 124 (P. præcurrens).
Lower Miocene (Rosebud); Nebraska.

Parahippus crenidens (Scott).

Hay, O. P. 1902 A, 615 (Desmatippus).
Abel, O. 1928 B, 42.
Cook, H. J. 1912 D, 41 (Parahippus).
Gidley, J. W. 1907 A, 875, 921 (Parahippus).
Loomis, F. B. 1926 A, 123.
Matthew, W. D. 1909 C, 115 (Parahippus); 113 (Parahippus. This species?).
Merriam and Sinclair 1903 A, 96 (Desmatippus).

Osborn, H. F. 1918 A, 5, 16, 74, 75, 90, pl. viii, fig. 4; pl. ix, fig. 2; text-fig. 67.
Sellards, E. H. 1916 B, 85 (Parahippus).
Trouessart, E. L. 1905 A, 617 (Desmathippus).
Miocene (Deep River); Montana: Miocene (Sheep Creek); Nebraska.

Parahippus integer Matthew.

Matthew, W. D. 1924 C, 66, 71, 154.
Upper Miocene (Lower Snake Creek); Nebraska.

Parahippus leonensis Sellards.

Sellards, E. H. 1916 B, 83, pl. ii, figs. 3, 6-9, 12.
Osborn, H. F. 1918 A, 16, 75, 95, text-fig. 72.
Miocene (Alum Bluff); Florida.

Parahippus minimus (Douglass).

Hay, O. P. 1902 A, 620 (Hipparion); 795 (Anchitherium).
1924 A, 7.
Osborn, H. F. 1918 A, 27, 75, 96, text-fig. 72*a*.
Trouessart, E. L. 1905 A, 617 (Anchitherium); 640 (Neohipparion).
Lower Pliocene (Madison Valley); Montana.

Parahippus minutalis Hay.

Hay, O. P. 1924 A, 6, pl. i, figs. 14-17.
Upper Miocene (Fleming); Texas.

Parahippus mourningi (Merriam).

Merriam, J. C. 1913 G, 427, figs. 3-5 (Parahippus?).
Loomis, F. B. 1926 A, 120 (Archæohippus).
Matthew, W. D. 1924 C, 158, 159 (Parahippus).
Merriam, J. C. 1919 A, 450, 475, 527, figs. 33, 34 (Parahippus?).
Osborn, H. F. 1918 A, 20, 204, 213, text-fig. 173 (Archæohippus).
Upper Miocene (Barstow); California.

Parahippus nebrascensis Peterson.

Peterson, O. A. 1906 C, 57, pl. xix.
Abel, O. 1928 B, 42.
Cook, H. J. 1912 D, 42.
Loomis, F. B. 1908 B, 163.
1926 A, 123 (P. nebraskensis).
Matthew, W. D. 1909 C, 113.
O'Harra, C. C. 1920 A, 106, 157, fig. 45.
Osborn, H. F. 1918 A, 13, 74, 75, 79, text-fig. 55.
Zittel and Schlosser 1911 A, 461, fig. 643.
1923 A, 546, fig. 682.
Lower Miocene (Upper Harrison); Montana: (Laramie Peak); Wyoming.

Parahippus nebrascensis primus Osborn.

Osborn, H. F. 1918 A, 13, 75, 80, 82, pl. vi, figs. 6, 7; pl. viii, fig. 2; pl. ix, fig. 9; text-fig. 57.
Abel, O. 1928 B, 42 (P. primus).
Gregory, W. K. 1920 B, pl. xviii.
Loomis, F. B. 1926 A, 124 (P. primus).
O'Harra, C. C. 1920 A, 156.
Lower Miocene (Harrison); Nebraska.

Parahippus pawniensis Gidley.

Gidley, J. W. 1907 A, 876, 932.
Abel, O. 1928 B, 42.
Loomis, F. B. 1926 A, 123.
Matthew, W. D. 1909 C, 115.
1926 C, 156, fig. 14.
Osborn, H. F. 1918 A, 74, 75, 92, pl. viii, fig. 5; pl. ix, fig. 3; text-figs. 68, 69.
Sellards, E. H. 1916 B, 85.
Middle Miocene (Pawnee Creek); Colorado.

Parahippus pawniensis atavus Osborn.

Osborn, H. F. 1918 A, 13, 19, 74, 75, 79, pl. xxxviii; pl. xxxix, figs. 9, 13; text-fig. 56.
Abel, O. 1926 B, 400, fig. 225 (P. atavus).
1928 B, 35, fig. 15 (P. atavus).
Matthew, W. D. 1926 C, 157, fig. 15.
O'Harra, C. C. 1920 A, 156.
Weber and Abel 1928 A, 678, fig. 465 (P. atavus).
Lower Miocene (Harrison); Nebraska.

Parahippus penultimus (Matthew).

Matthew, W. D. 1924 C, 66, 158, 159 (Archæohippus).
Abel, O. 1926 B, 436 (Archæohippus).
Middle Miocene (Sheep Creek); Nebraska.

Parahippus pristinus Osborn.

Osborn, H. F. 1918 A, 13, 74, 75, 76, pl. vi, fig. 5; pl. ix, fig. 7; pl. xxv, fig. 1; pl. xxxvi, fig. 1; text-fig. 52.
Abel, O. 1928 B, 40, 41, 42, fig. 18.
Loomis, F. B. 1926 A, 123, fig. 23.
Matthew, W. D. 1924 C, 155.
1926 C, 157, fig. 15.
O'Harra, C. C. 1920 A, 156.
Lower Miocene (Rosebud); South Dakota.

Parahippus taxus (Douglass).

Douglass, E. 1908 B, 271, pl. lxvii, figs. 3, 4; pl. lxviii, figs. 6-8 (Altippus).
Abel, O. 1928 B, 42.
Osborn, H. F. 1918 A, 15, 75, 85, text-fig. 62.
Richards and Pardee 1925 A, 15 (Altippus).
Upper Oligocene or Lower Miocene (Divide Creek); Montana.

Parahippus texanus Leidy.

Hay, O. P. 1902 A, 615 (Anchippus).
Abel, O. 1928 B, 39, fig. 19.
Gidley, J. W. 1907 A, 872, 885.
Loomis, F. B. 1926 A, 123.
Marsh, O. C. 1874 E, 291 (Anchippus).
Matthew, W. D. 1901 B, 357, 358, 373 (Anchippus).
Osborn, H. F. 1918 A, 6, 13, 74, 75, 84, pl. viii, fig. 3; pl. ix, fig. 10; text-fig. 59.
Palacký, J. 1903 B, 312 (Anchippus).
Peterson, O. A. 1906 C, 57.
Sellards, E. H. 1916 B, 85.
Trouessart, E. L. 1905 A, 617 (Anchippus).
Middle Miocene?; Texas.

Parahippus tyleri Loomis.

Loomis, F. B. 1908 B, 163, fig. 1.
Abel, O. 1928 B, 42.
Cook, H. J. 1912 D, 42 (P. nebrascensis tyleri).
Loomis, F. B. 1926 A, 117, 123.
O'Harra, C. C. 1920 A, 157.

Osborn, H. F. 1918 A, 13, 74, 75, 77, pl. ix, figs. 6, 8; pl. xxxix, figs. 10, 12; text-figs. 53, 54, 56.
Sellards, E. H. 1916 B, 86.
Lower Miocene (Harrison); Nebraska.

Parahippus ultimus (Cope).

Hay, O. P. 1902 A, 614 (Miohippus).
Dall and Harris 1892 A, 282 (Anchitherium).
Gidley, J. W. 1906 D, 385, fig. 1 (Archæohippus).
1907 A, 874, 903 (Archæohippus).
Gregory, W. K. 1920 B, 270, pl. xviii (Archæohippus).
Loomis, F. B. 1926 A, 120 (Archæohippus).
Matthew, W. D. 1909 C, 115 (Archæohippus).
1924 C, 159 (Archæohippus).
Merriam, J. C. 1913 G, 429, fig. 4 (Archæohippus).
Merriam and Sinclair 1907 A, 195, 196 (Archæohippus).
Osborn, H. F. 1904 B, 168 (Miohippus).
1918 A, 16, 22, 204, 211, pl. vi, fig. 2; text-fig. 172 (Archæohippus).
Sellards, E. H. 1916 B, 86 (Archæohippus).
Middle Miocene (Mascall); Oregon.

Parahippus sp. indet.

Barbour and Cook 1917 A, 172. Pliocene (Devil's Gulch); Nebraska.
Gidley, J. W. 1906 D, 387 (Archæohippus).
Gidley, J. W. 1908 B, 240, figs. 6, 7 (This genus?). Miocene (Virgin Valley); Nevada.
Hay, O. P. 1916 A, 387. Late Tertiary; South Carolina.
1916 C, 42, pl. viii, figs. 1, 2. Pleistocene?; Florida.
1923 A, 493. Pleistocene?; Florida.
Loomis, F. B. 1923 A, 222. Miocene (Lower Harrison); Nebraska.
Matthew, W. D. 1901 B, 358 (Anchitherium); 359 (Parahippus).
1909 C, 113 (Parahippus). Lower Miocene (Lower Rosebud); South Dakota; 113 (Anchitherium); 115 (Archæohippus). Miocene (Middle); Oregon.
1918 A, 186 (Archæohippus?). Pliocene (Snake Creek); Nebraska.
1924 C, 72. Miocene (Pawnee Creek); Colorado.
Merriam, J. C. 1917 A, 439. Upper Pliocene (Dunnellon); Florida; 436. Pliocene (Snake Creek); Nebraska.
Merriam and Sinclair 1907 A, 196 (Archæohippus). Miocene (Mascall); Oregon.
Peterson, O. A. 1906 C, 35, 46. Lower Miocene (Harrison and Agate Spring); Nebraska.
Sinclair, W. J. 1915 A, 76, 86 (Archæohippus). Pliocene (Snake Creek); Nebraska.
Stock, C. 1924 B, 54 (This genus?). Upper Miocene (Mint Canyon); California.

Merychippus Leidy. Type *M. insignis* Leidy.

Hay, O. P. 1902 A, 616.
Abel, O. 1909 E, (247).
1912 F, 629.
1913 B, 754, fig. 105 (Meryhippus).
1914 A, 247.
1926 B, 360, 396, 415, 423, 429, 451.
1926 H, (160).
1928 B, 21, 34, 44, figs. 3, 4, 14, 21.
Ameghino, F. 1904 A, 533.
Antonius, O. 1919 A, 285, 291.
Arldt, T. 1907 D, 257.
Boas, J. E. V. 1914 B, 597.
Case, E. C. 1899 B, 165.
Depéret, C. 1912 A, 710.
Douglass, E. 1909 A, 477.
Floderus, M. 1910 A, 98, fig. 1.
Flower, W. H. 1873 B, 101.
1892 A, 72.
Frick, C. 1926 A, 20.
Fürbringer, M. 1902 A, 203 (Protohippus).
Furlong, E. L. 1927 A, 159.
Gidley, J. W. 1904 B, 191, 194.
1906 D, 388.
1907 A, 868.
Gregory, W. K. 1920 B, 266, pl. xviii.
Haug, E. 1911 A, 1705, 1706.
Lobley, J. L. 1908 A, 212.
Loomis, F. B. 1910 C, 293.
1926 A, 60, 64, 121, figs. 7-9, 11, 12, 24.
Lull, R. S. 1904 C, 6.
1907 A, 177.
1917 B, 225, 611, figs. 220, 221.
Lydekker, R. 1907 A, 5, figs. 1*d*, 2*c*.
1912 A, 254.
1912 B, 221.
Major, C. J. F. 1877 A.
Matthew, W. D. 1903 A, 19 (Parahippus, Merychippus).
1907 A, 175.
1909 C, 119.
1913 F, 20, 25, figs. 2, 3, 11, 16, 21.
1914 G, 234.
1915 A, 196, 236, 313.
1915 K, 413, 456.
1916 J, 7, 11, figs. 2, 3.
1917 A, 574.
1918 A, 211, 212.
1920 C, 475.
1924 B, 630.
1924 C, 69, 153, 159, 164.
1924 D, 1.
1924 G, 630.
1926 B, 5.
1926 C, 141, 158, 160, 167, figs. 1-6, 8, 27.
1928 B, 979, fig. 15.
Matthew and Cook 1909 A, 386.
Merriam, J. C. 1907 A, 381.
1911 B, 208, 215, 217, 221.
1914 C, 644.
1915 A, 7.
1915 E, 193, 212.
1915 F, 255, 259.
1915 G, 99, 100.
1916 D, 132.
1917 A.
1919 A, 450-455, 472, 479, 528.
Osborn, H. F. 1902 D, 267, fig. 1.
1907 G, 75, figs. 135, 162, 215.
1909 D, 78-80.
1910 B.

Osborn, H. F. 1912 G, 248.
1915 B, 220.
1918 A, 4, 5, 17, 24, 27, 29, 98.
Palmer, T. S. 1904 A, 411, 937.
Pavlow, M. 1915 A, 35.
1925 A, 316, seq.
Schlosser, M. 1924 A, 67.
Schuchert and Levene 1927 A, 347, fig.
Scott, W. B. 1913 A, 297.
Sefve, I. 1927 A, 80.
Sellards, E. H. 1916 B, 91.
Steinmann, G. 1907 A, 491.
Taylor, W. P. 1917 A, 272.
Terra, P. 1911 A, 312, fig. 129.
Thorpe, M. R. 1927 A, 168.
Trouessart, E. L. 1905 A, 637.
Troxell, E. L. 1916 A, 339.
Veith, A. 1912 A, 6, 13.
Wallace, A. R. 1876 A, I, 135.
Weber, M. 1904 A, 621.
Weber and Abel 1928 A, xxii, 417, 679, figs. 260, 467.
Zittel and Schlosser 1911 A, 461.
1923 A, 547, 550, 673, 679, fig. 683.

Merychippus calamarius (Cope).

Hay, O. P. 1902 A, 619 (Hipparion).
Abel, O. 1926 B, 423, fig. 269.
1928 B, 43, fig. 20.
Ameghino, F. 1904 A, 260, 261, fig. 352 (Hipparion).
Barbour and Cook 1917 B, 180.
Gidley, J. W. 1907 A, 873, 896.
Matthew, W. D. 1909 C, 117 (Neohipparion).
1918 A, 186, 211.
1924 C, 159.
Merriam, J. C. 1911 E, 168, pl. xxix, figs. 2-3 (This species?).
1915 A, 7.
1915 D, 50.
1915 E, 199, 233.
1917 A, 436 (This species?).
1919 A, 480, 494, 505, 527, fig. 60.
Merriam and Pack 1913 A, 128 (This species?).
Merrill, G. P. 1907 A, 39 (Hippotherium).
Osborn, H. F. 1918 A, 5, 6, 22, 28, 99, 123, pl. xi, fig. 4; pl. xvii, fig. 8; pl. xviii, figs. 2, 6; text-fig. 98.
Pavlow, M. W. 1925 A, 324 (Hippotherium).
Sinclair, W. J. 1915 A, 76 (This species?).
Trouessart, E. L. 1905 A, 640 [Neohipparion (Stylonus)].
Lower Pliocene (Santa Fe); New Mexico: (Snake Creek, Valentine); Nebraska: (Barstow); California.

Merychippus calamarius? propinquus Osborn.

Osborn, H. F. 1918 A, 28.
Pliocene (Snake Creek); Nebraska.

Merychippus calamarius stylodontus Merriam, J. C.

Merriam, J. C. 1919 A, 450, 453, 482, 505, 527, figs. 43-47, 50-53, 61, 63.
Miocene (Barstow); California.

Merychippus californicus Merriam.

Merriam, J. C. 1915 A, 194, 197, figs. 3-14.
Clark, B. L. 1921 A, table (M. coalingensis).
Osborn, H. F. 1918 A, 22, 23, 99, 121, text-fig. 96.
Miocene (Temblor); California.

Merychippus campestris Gidley.

Gidley, J. W. 1907 A, 876, 928.
Antonius, O. 1919 A, 291.
Matthew, W. D. 1909 C, 115.
1924 C, 67.
Moodie, R. L. 1917 B, 384, fig. 8.
1918 C, 279.
1918 D, 507, fig. 41.
1923 B, 223, 249, pl. xliv.
Osborn, H. F. 1918 A, 19, 20, 99, 114, pl. xv, figs. 4, 5; pl. xix, figs. 3, 4; pl. xxvi, fig. 1; pl. xliv, fig. 1; pl. xlix, fig. 1; pl. l, figs. 3, 7; text-figs. 88, 89.
Pavlow, M. W. 1925 A, 322, 328.
Upper Miocene (Pawnee Creek); Colorado: (Lower Snake Creek); Nebraska.

Merychippus eohipparion Osborn.

Osborn, H. F. 1918 A, 19, 20, 99, 117, pl. xx, fig. 2; pl. xliv, fig. 3; pl. xlix, fig. 3; pl. L, figs. 4, 8; pl. liv, fig. 3; text-fig. 92.
Abel, O. 1928 B, 35, fig. 15.
Matthew, W. D. 1924 C, 67, 72, 159.
1926 C, 159, fig. 17.
Schlosser, M. 1924 A, 67.
Weber and Abel 1928 A, 678, fig. 465.
Upper Miocene (Pawnee Creek); Colorado: (Lower Snake Creek); Nebraska.

Merychippus eoplacidus Osborn.

Osborn, H. F. 1918 A, 19, 20, 99, 114, pl. xx, fig. 1; pl. xxxix, fig. 6; pl. xliv, fig. 2; pl. xlviii, fig. 1; pl. xlix, fig. 2; pl. liv, fig. 2; text-fig. 90.
Abel, O. 1926 B, 401, fig. 255.
Upper Miocene (Pawnee Creek); Colorado: (Lower Snake Creek); Nebraska.

Merychippus francisi Hay.

Hay, O. P. 1924 A, 9, pl. i, figs. 28, 29; pl. ii, figs. 1-4.
Upper Miocene (Fleming); Texas.

Merychippus insignis Leidy.

Hay, O. P. 1902 A, 616.
Barbour and Cook 1917 B, 180.
Dall and Harris 1892 A, 292.
Deussen, A. 1924 A, 21, 97, 99 (Protohippus medius).
Deussen and Dole 1916 A, 149 (Protohippus medius).
Douglass, E. 1908 B, 275, pl. lxvii, figs. 1, 2; pl. lxviii, figs. 3-5.
Dumble, E. T. 1894 A, 558 (Protohippus medius).
1903 A, 957 (Protohippus medius).
1915 A, 473 (Protohippus medius).
1920 A, 238 (Protohippus medius).
Gidley, J. W. 1907 A, 872, 878.
1908 B, 239.
Leidy, J. 1880 B, 258 (This species?).
Lull, R. S. 1907 A, 179, fig. 12.

Matthew, W. D. 1909 C, 117.
1918 A, 186, 212.
1920 E, 238 (Protohippus medius).
Matthew and Cook 1909 A, 386, fig. 11.
Merriam, J. C. 1917 A, 436 (This species?).
Merriam and Sinclair 1907 A, 195 (Protohippus medius).
Merrill, G. P. 1907 A, 46.
Osborn, H. F. 1918 A, 23, 28, 99, 122, pl. xvii, fig. 5; pl. xxv, fig. 3; text-fig. 97.
Pavlow, M. W. 1925 A, 316, 321, seq., fig. 3.
Sellards, E. H. 1916 B, 86.
Sinclair, W. J. 1915 A, 76 (This species?).
Trouessart, E. L. 1905 A, 637.
Veith, A. 1912 A, 13.
Yates, L. G. 1903 A, 91 (Protohippus).
Upper Miocene or Lower Pliocene (Bijou Hills); South Dakota: Miocene (Oakville); Texas: (Mascall); Oregon: Pliocene (Snake Creek?, Valentine); Nebraska, California, Montana.

Merychippus insignis primus (Osborn).

Osborn, H. F. 1918 A, 5, 6, 16, 17, 99, 102, pl. xiii, fig. 3; pl. xiv, figs. 2, 4; pl. xxv, fig. 4; pl. xxxix, fig. 2; text-fig. 78 (M. isonesus primus).
Abel, O. 1926 A, 243 (M. primus).
1926 B, 362 (M. isonesus primus); 362-364, 401, 414, 451, figs. 255-257, 266-269 (M. primus).
1926 H, (164) (M. primus).
1928 B, 32, 35, 50, 74, figs. 12, 15, 19, 22, 27, 44 (M. primus).
Hay, O. P. 1924 A, 9 (M. isonesus primus).
Matthew, W. D. 1923 E, 131 (M. primus).
1924 C, 67 (M. primus); 162, figs. 49, 55 (M. insignis primus).
Middle Miocene (Sheep Creek); Nebraska.

Merychippus intermontanus Merriam.

Merriam, J. C. 1915 D, 50, figs. 2, 3.
1919 A, 450, 480, 505, 527, figs. 36-40, 48, 49, 54-56.
Osborn, H. F. 1918 A, 20, 22, 99, 121, text-fig. 95.
Upper Miocene (Barstow); California.

Merychippus isonesus (Cope).

Hay, O. P. 1902 A, 620 (Hipparion).
Abel, O. 1926 B, 362.
1928 B, 76, fig. 44.
Ameghino, F. 1904 A, 258, fig. 350 (Hipparion).
Antonius, O. 1919 A, 291.
Clark, B. L. 1921 A, table.
Condon, T. 1902 A, 123, pl. xxv ("Hipparion").
1910 A, 112, pl. xxv ("Hipparion").
Cook, H. J. 1912 D, 43 (This species?).
Cope and Matthew 1915 A, pl. cxlvii; pl. cxlviii, figs. 1-8 (Hippotherium seversum; Merychippus isonesus); pl. cxlviii*a*, fig. 8; pl. cxlix, figs. 1-4 (Protohippus sejunctus, Merychippus isonesus).
Douglass, E. 1903 A, 154 (Hippotherium).
1907 A, 810 (Neohipparion. This species?).
Gidley, J. W. 1907 A, 874, 909.
1908 B, 238.
Lull, R. S. 1907 A, 179 (Neohipparion).
Matthew, W. D. 1901 B, 374 (Hipparion).
1909 C, 115.
Matthew, W. D. 1924 C, 162.
Maxson, J. H. 1928 A, 23.
1928 B, 57, fig. 1.
Merriam, J. C. 1911 B, 205, 209, 214, 262, figs. 30, 34 (This species?).
1914 C, 644.
1915 E, 198, 233.
1919 A, 492, figs. 58, 59.
Merriam and Sinclair 1907 A, 195, 196.
Moodie, R. L. 1922 C, 367.
Osborn, H. F. 1918 A, 16, 17, 99, 101, pl. vi, fig. 8; pl. x, fig. 4; pl. xiii, figs. 1, 2; pl. xvii, figs. 3, 4; pl. xlii, figs. 1, 2; text-figs. 75, 77.
Pavlow, M. W. 1925 A, 322.
Schlosser, M. 1924 A, 67.
Turner, H. W. 1895 A, 373 (Hippotherium isosensum).
Trouessart, E. L. 1905 A, 640 [Neohipparion (Stylonus)].
Middle Miocene (Mascall); Oregon: (Virgin Valley); California.

Merychippus isonesus quartus Osborn.

Osborn, H. F. 1918 A, 17, 99, 107, pl. xli, fig. 3; pl. xlv, fig. 4; pl. xlvi, fig. 3; pl. lii, fig. 3.
Abel, O. 1928 B, 46 (M. quartus).
Middle Miocene (Sheep Creek); Nebraska.

Merychippus isonesus quintus Osborn.

Osborn, H. F. 1918 A, 16, 17, 99, 107, pl. xiii, fig. 7; pl. xiv, fig. 1; pl. xli, fig. 4; pl. xlv, figs. 2, 5; pl. xlvi, fig. 4; text-fig. 81.
Abel, O. 1928 B, 46 (M. quintus).
Middle Miocene (Sheep Creek); Nebraska.

Merychippus isonesus secundus Osborn.

Osborn, H. F. 1918 A, 5, 17, 99, 105, pl. xiii, fig. 4; pl. xli, fig. 1; pl. xlv, figs. 1, 3; pl. xlvi, fig. 1; pl. lii, fig. 1; text-fig. 79.
Abel, O. 1928 B, 46 (M. secundus).
Middle Miocene (Sheep Creek); Nebraska.

Merychippus isonesus tertius Osborn.

Osborn, H. F. 1918 A, 6, 17, 99, 105, pl. xiii, figs. 5, 6; pl. xiv, fig. 3; pl. xli, fig. 2; pl. xlvi, fig. 2; pl. lii, fig. 2; text-fig. 80.
Abel, O. 1928 B, 41, figs. 19, 45 (M. tertius).
Middle Miocene (Sheep Creek); Nebraska.

Merychippus labrosus (Cope).

Hay, O. P. 1902 A, 617.
Cope and Matthew 1915 A, pl. cxlviii*a*, figs. 5-7 (Protohippus insignis; Merychippus lab.).
Gidley, J. W. 1907 A, 873, 891.
Matthew, W. D. 1909 C, 115.
Osborn, H. F. 1918 A, 19, 20, 99, 109, text-fig. 84.
Trouessart, E. L. 1905 A, 638.
Middle Miocene (Pawnee Creek); Colorado.

Merychippus missouriensis Douglass.

Douglass, E. 1908 B, 274, pl. lxvi; pl. lxvii, fig. 5; pl. lxviii, figs. 1, 2 (This genus?).
Osborn, H. F. 1918 A, 99, 119, text-fig. 93.
Miocene (Loup Fork); Montana.

Merychippus paniensis (Cope).

Hay, O. P. 1902 A, 620 (Hipparion).
Abel, O. 1926 B, 362, 364, 419, figs. 256, 257, 269.

Abel, O. 1928 B, 32, 43, 76, figs. 12, 20, 23, 44, 45.
Cook, H. J. 1912 D, 43 (This species?).
Gidley, J. W. 1907 A, 873, 890.
Matthew, W. D. 1909 C, 115.
1923 E, 131.
1924 C, 66, 72, 159, figs. 47, 48.
1926 C, 158, fig. 16.
Osborn, H. F. 1918 A, 5, 6, 19, 20, 99, 109, pl. xi, fig. 2; pl. xvi, figs. 4-6; pl. xviii, figs. 1, 5; pl. xxv, fig. 5; pl. xxxiv, figs. 1, 2; pl. xliii, fig. 2; pl. xlviii, fig. 2; pl. l, figs. 2, 6; pl. liii, fig. 2; text-fig. 83.
Middle Miocene (Pawnee Creek); Colorado: Upper Miocene (Snake Creek); Nebraska.

Merychippus patruus Osborn.

Osborn, H. F. 1918 in Matthew, W. D. 1918 A, 213.
Abel, O. 1926 B, 402, figs. 256, 269.
Osborn, H. F. 1918 A, 28, 99, 126, pl. xvii, fig. 6; text-fig. 100.
Pliocene (Snake Creek); Nebraska.

Merychippus patruus obliquus Matthew.

Matthew, W. D. 1918 A, 212.
Osborn, H. F. 1918 A, 28 (M. insignis? obliquus).
Pliocene (Snake Creek); Nebraska.

Merychippus proparvulus Osborn.

Osborn, H. F. 1918 A, 19, 20, 99, 117, pl. xi, fig. 3; pl. xv, figs. 6, 7; pl. xx, fig. 3; pl. liv, fig. 1; text-fig. 91.
Abel, O. 1926 B, 420.
Matthew, W. D. 1924 C, 67, 72, 159.
Upper Miocene (Pawnee Creek); Colorado: (Lower Snake Creek); Nebraska.

Merychippus relictus (Cope).

Hay, O. P. 1902 A, 620 (Hipparion).
Dall and Harris 1892 A, 283 (Hippotherium).
Gidley, J. W. 1907 A, 874, 906.
Hay, O. P. 1927 D, 101 (Hippotherium).
Matthew, W. D. 1909 C, 117 (Neohipparion).
Merriam and Sinclair 1907 A, 196.
Osborn, H. F. 1918 A, 16, 99, 100, pl. xiii, fig. 9; pl. xvii, fig. 2; text-fig. 73.
Trouessart, E. L. 1905 A, 640 [Neohipparion (Stylonus)].
Lower or Middle Miocene; Oregon.

Merychippus republicanus Osborn.

Osborn, H. F. 1918 A, 5, 6, 28, 99, pl. x, fig. 1; pl. xvii, fig. 7; text-fig. 99.
Abel, O. 1928 B, 43, fig. 20.
Matthew, W. D. 1924 C, 162.
Schlosser, M. 1924 A, 67.
Lower Pliocene (Republican River); Nebraska.

Merychippus sejunctus (Cope).

Hay, O. P. 1902 A, 618.
Abel, O. 1926 B, 421.
1928 B, 51, fig. 28.
Boule and Thevenin 1920 A, 117.
Cook, H. J. 1912 D, 43 (This species?).
Cope, E. D. 1885 FF, 793, fig. 3 (Protohippus).
Cope and Matthew 1915 A, pl. cxlviii*a*, fig. 3 (Protohippus perditus, Merychippus sejunctus); pl. cl (Protohippus, Merychippus); pl. cli (Merychippus).
Dall and Harris 1892 A, 288 (Protohippus).
Gidley, J. W. 1907 A, 873, 891.
1927 D, 267, fig.
Gregory, W. K. 1920 B, pl. xviii.
Loomis, F. B. 1926 A, 125, fig. 25.
Matthew, W. D. 1901 B, 358, 374 (Protohippus).
1909 C, 115.
1924 C, 67, 72, 159.
Merriam, J. C. 1919 A, 498 (Protohippus).
Osborn, H. F. 1904 F, 13, 14.
1918 A, 19, 20, 99, 110, pl. xi, fig. 1; pl. xvi, figs. 1-3; pl. xix, figs. 1, 2, 20; pl. xliii, fig. 3; pl. xlviii, fig. 1; pl. l, figs. 1, 5; pl. liii, fig. 3; text-figs. 85, 86.
Sefve, I. 1927 A, 81.
Trouessart, E. L. 1905 A, 638.
Middle Miocene (Pawnee Creek); Colorado: Upper Miocene (Snake Creek); Nebraska.

Merychippus seversus (Cope).

Hay, O. P. 1902 A, 621 (Hipparion).
Cook, H. J. 1912 D, 43 (M. severus. This species?).
Dall and Harris 1892 A, 282 (Hippotherium).
Dumble, E. T. 1920 A, 232 (This species?).
Gidley, J. W. 1907 A, 872, 897.
Matthew, W. D. 1909 C, 115.
1915 L, 471, 472 (This species?).
1920 E, 232 (This species?).
1924 C, 159.
Merriam, J. C. 1911 B, 209, 264 (This species?).
1915 E, 199.
Osborn, H. F. 1918 A, 16, 99, 101, pl. xiii, fig. 8; pl. xvii, fig. 1; text-fig. 74.
Trouessart, E. L. 1905 A, 640 [Neohipparion (Stylonus)].
Middle Miocene (Mascall); Oregon: Miocene (Snake Creek?); Nebraska: (Virgin Valley); Nevada: Upper Miocene (Fleming); Texas?

Merychippus socius Hay.

Hay, O. P. 1924 A, 9, pl. i, figs. 25-27.
Upper Miocene (Fleming); Texas.

Merychippus sphenodus Cope.

Hay, O. P. 1902 A, 621 (Hipparion).
Abel, O. 1928 B, 43, fig. 20 (This genus?).
Cope and Matthew 1915 A, pl. cxlviii, figs. 9, 10; pl. cxlviii*a*, fig. 1 (Hippotherium, Merychippus).
Gidley, J. W. 1907 A, 874, 908.
Matthew, W. D. 1909 C, 115.
Osborn, H. F. 1918 A, 6, 19, 20, 99, 112, pl. x, figs. 2, 12; pl. xv, figs. 1-3; pl. xviii, fig. 4; pl. xliii, fig. 1; pl. xlvii, fig. 2; pl. xlviii, fig. 3; pl. liii; text-fig. 87.
Trouessart, E. L. 1905 A, 640 (Neohipparion).
Middle Miocene (Pawnee Creek); Colorado.

Merychippus sumani Merriam.

Merriam, J. C. 1915 D, 49, fig. 1.
1911 E, 168, pl. xxix, figs. 1*a*-1*c* (M. "near calamarius").
1915 E, 199 (M. calamarius sumani).
1919 A, 450, 480, figs. 41, 42, 57.

Osborn, H. F. 1918 A, 20, 22, 99, 120, text-fig. 94.
Upper Miocene (Barstow); California.

Merychippus vellicans Hay.

Hay, O. P. 1924 9, 7, pl. i, figs. 18-24.
Upper Miocene (Fleming); Texas.

Merychippus sp. indet.

Hay, O. P. 1902 A, 618.
Barbour and Cook 1917 A, 172. Pliocene (Devil's Gulch); Nebraska.
Buwalda, J. P. 1916 A, 77, 80. Miocene (Tehachapi); California.
1916 B, 170. Miocene (Tehachapi); California.
Clark, B. L. 1921 A, table. Miocene (Monterey); California.
Cook, H. J. 1912 D, 44. Pliocene (Snake Creek); Nebraska.
Deussen, A. 1924 A, 97. Miocene (Oakville); Texas.
Dumble, E. T. 1920 A, 231, 237. Neocene (Fleming); Texas.
Frick, C. 1926 A, 106. Miocene (Pawnee Creek); Colorado.
Gidley, J. W. 1908 B, 238, 239, figs. 2, 3 (3 species); Virgin Valley, Nevada.
1915 D, 21 ("Merychippus"). Florida.
1918 C, 180. Later Tertiary (Flaxville); Montana.
Hay, O. P. 1924 D, 169, 312. Pliocene?; Montana.
Louderback, G. D. 1924 A, 9. Miocene (Cedar Mountain); California.
Matthew, W. D. 1915 L, 471. Miocene (Fleming); Texas.
1920 E, 231, 237. Upper Miocene (Fleming); Texas.
Merriam, J. C. 1911 B, 263, fig. 33. Miocene; Nevada.
1911 E, 168, pl. xxix, fig. 4. Miocene (Upper); California.
1913 E, 375, fig. 2 (Neohipparion or Merychippus).
1914 A, 279, figs. 1, 2. Miocene; Nevada.
1914 C, 644. Tertiary (Temblor); California.
1915 B, 286, figs. 1, 2. Miocene?; California.
1916 A, 186, figs. 21, 22, 26, 27. Miocene (Cedar Mountain); California.
1916 C, 123, figs. 11-13 (Merychippus or Neohipparion); 125, fig. 15 (This genus?).
1916 E, 170. Miocene (Tehachapi); California.
1916 G, 88. Miocene (Alum Bluff); Florida.
1919 A, 497, figs. 62, 64-79. Miocene (Barstow); California.
Merriam, Stock, Moody 1925 A, 57. Pliocene (Mascall); Oregon.
Merrill, G. P. 1907 A, 47. Middle Miocene; New Mexico.
Osborn, H. F. 1918 A, 108, fig. 82. Miocene (Alum Bluff); Florida.
Sellards, E. H. 1916 B, 87, pl. ii, fig. 1. Miocene (Alum Bluff); Florida.
Stock, C. 1921 A, 260, fig. 10 (This genus?). Pliocene? (Muddy Valley); Nevada.
1924 B, 54 (Protohippus?). Upper Miocene (Mint Canyon); California.

Hippodon Leidy. Type *H. speciosus* Leidy.

Leidy, J. 1854 C, 90.
Hay, O. P. 1902 A, 619 (Hipparion, in part).
Matthew, W. D. 1913 E, 791.
Osborn, H. F. 1918 A, 128.

Hippodon speciosus Leidy.

Hay, O. P. 1902 A, 621 (Hipparion).
Cope and Matthew 1915 A, pl. cxlv (Hippotherium, Merychippus).
Dall and Harris 1892 A, 292 (Hipparion).
Gidley, J. W. 1907 A, 872, 877 (Hippodon); 879 (Hipparion).
Hay, O. P. 1914 A, 148, pl. viii, fig. 3 (Neohipparion).
Marsh, O. C. 1874 E, 291 (Hipparion).
Matthew, W. D. 1909 C, 117 (Neohipparion).
1913 E, 791.
1924 C, 71.
Merriam, J. C. 1914 D, 13 (Hipparion).
Merrill, G. P. 1907 A, 38 (Hipparion); 41 (Hippotherium).
Osborn, H. F. 1918 A, 128, 129, text-fig. 101 ("nomen nudum").
Pavlow, M. 1925 A, 323, 324 (Hippotherium).
Turner, H. W. 1895 A, 373 (Hippotherium). Miocene? (Arikaree?); South Dakota.

Protohippus Leidy. Type *P. perditus* Leidy.

Hay, O. P. 1902 A, 616 (Syn. of Merychippus).
Abel, O. 1909 E, (247).
1912 F, 629.
1914 A, 247.
1914 B, 596, fig. 43.
1926 B, 362, 456.
1926 H, (160).
1928 B, 28, 44, 72, fig. 10.
Ameghino, F. 1904 A, 536.
Antonius, O. 1913 A, 245.
1919 A, 287.
Arldt, T. 1907 D, 257.
Arldt, T. 1909 C, 458.
Beasley, W. D. 1903 A, 451.
Berry, E. W. 1922 A, 111.
Berthoud, E. L. 1879 A, 154.
Boas, J. E. V. 1914 B, 497.
Boule and Thevenin 1920 A, 117.
Case, E. C. 1899 B, 165.
Condon, T. 1902 A, 136.
1910 A, 113.
Cope, E. D. 1880 U, 157.
Cummins, W. F. 1893 A, 203.
Depéret, C. 1912 A, 710.

Douglass, E. 1909 A, 477.
Fairchild, H. L. 1894 A, 209.
Fejérváry, G. J. de 1921 B, 183.
Floderus, M. 1910 A, 99, fig. 1.
Freudenberg, W. 1922 A, 10.
Gaudry, A. 1896 A, 187.
Gidley, J. W. 1904 B, 192, 194.
1906 C, 137.
1907 A, 868.
Giebel, C. G. 1883 A, 145.
Haug, E. 1911 A, 1705, 1706.
Hescheler, K. 1906 A, 31.
Huxley, T. H. 1876 F, 185.
Lobley, J. L. 1908 A, 212.
Loomis, F. B. 1910 C, 293.
1926 A, 121, fig. 24.
Lull, R. S. 1907 A, 178.
1913 A, 12.
Lydekker, R. S. 1904 A, 18.
1907 A, 5, fig. 2c.
1912 A, 247.
Major, C. J. F. 1877 A, 12.
Marsh, O. C. 1874 E, 290.
Matthew, W. D. 1903 A, 20.
1909 C, 119.
1910 G, 155.
1913 F, 20, 25, fig. 16.
1915 A, 236, 314.
1915 K, 456.
1916 J, 9, 11.
1924 E, 748.
1926 C, 160, 167.
Matthew and Cook 1909 A, 389.
Merriam, J. C. 1911 B, 217.
1915 F, 255.
1916 D, 132.
1917 A, 437, 443.
1919 A, 455, 472.
O'Harra, C. C. 1910 A, 96, 133.
Osborn, H. F. 1901 F, 499.
1902 H, 715.
1904 O, 157.
1905 H, 206.
1905 I, 92.
1905 K, 608.
1905 L, 564.
1909 D, 65, 134.
1910 B, 629.
1912 G, 248.
1918 A, 4, 20, 22, 27, 28, 29, 127, 146.
Palacký, J. 1903 B, 310.
Palmer, T. S. 1904 A, 582, 938.
Pavlow, M. 1903 A, 173.
1907 A, 143.
1915 A, 35.
1925 A, 314, seq.
Sauvage, H. E. 1882 A, 107 ("protohippe").
Schmidt, O. 1886 A, 213, fig. 38.
Scott, W. B. 1913 A, 305, 306, figs. 154, 156.
1917 A, 102, 105.
Schuchert, C. 1910 A, 599.
Shufeldt, R. W. 1889 D, 11.
Thorpe, M. R. 1927 A, 168.
Trouessart, E. L. 1892 A, 188.
1905 A, 637 (Merychippus, in part); 639 (Pseudohipparion; type *Hippotherium retrusum* Cope).
Troxell, E. L. 1916 A, 338.
Underhill, B. M. 1907 A, 117, 120, fig. 1.
Veith, A. 1912 A, 6.
Wallace, A. R. 1876 A, I, 135.
Weber, M. 1904 A, 600, 621.
Winge, H. 1906 A, 150 (Prothippus).
Woodward, A. S. 1898 B, 337.
Wright, R. R. 1883 A, 251.
Zittel and Schlosser 1911 A, 461.
1923 A, 547, 550, 673, 679, 680, fig. 684.

Protohippus castilli Cope.

Hay, O. P. 1902 A, 616 (Merychippus).
Felix and Lenk 1891 A, 126 (P. castilloi).
Freudenberg, W. 1921 A, 131 (P. castilloi).
1922 A, 4 (P. castelli).
Gidley, J. W. 1907 A, 874 (Protohippus); 901 (Merychippus).
Matthew, W. D. 1909 C, 117.
Osborn, H. F. 1905 E, 931 (P. castillei).
1918 A, 127, 128, 141, text-fig. 113.
Lower Pliocene?; Mexico.

Protohippus niobrarensis (Gidley).

Gidley, J. W. 1906 C, 151, figs. 18-20 (Neohipparion?).
1907 A, 876, 927 (Neohipparion).
1918 C, 180 (This species?).
Gregory, W. K. 1920 B, 269, pl. xviii.
Matthew, W. D. 1909 C, 117 (Neohipparion).
Osborn, H. F. 1918 A, 25, 26, 128, 136, pl. xxi, fig. 2; text-fig. 108.
Pavlow, M. 1925 A, 324 (Neohipparion).
Upper Miocene or Lower Pliocene (Niobrara River); Nebraska, Montana?.

Protohippus pachyops Cope.

Hay, O. P. 1902 A, 617 (Merychippus).
Ameghino, F. 1904 A, 264, fig. 359 (Anchippus); 264 (Protohippus).
Dumble, E. T. 1894 A, 556.
Gidley, J. W. 1907 A, 875, 912 (=? Hypohippus).
Matthew, W. D. 1909 C, 117.
Montgomery, T. H. 1904 A, 57.
Osborn, H. F. 1918 A, 26, 127, 128, 138, pl. xxiii, figs. 1, 2; pl. xxiv, fig. 2; text-fig. 110.
Trouessart, E. L. 1905 A, 618, 638 (Anchippus).
Upper Miocene or Lower Pliocene (Clarendon); Texas.

Protohippus parvulus (Marsh).

Hay, O. P. 1902 A, 617 (Merychippus).
Abel, O. 1926 B, 403.
Gidley, J. W. 1903 C, 634.
1907 A, 872, 885 (Parahippus).
Lull, R. S. 1913 A, 1, 2.
1926 A, 455.
Marsh, O. C. 1874 E, 291.
Matthew, W. D. 1909 C, 117 (This genus?).
Osborn, H. F. 1918 A, 127, 128, 130, text-figs. 104, 105.
Trouessart, E. L. 1905 A, 638 (Merychippus).
Upper Miocene or Lower Pliocene; Nebraska.

Protohippus perditus Leidy.

Hay, O. P. 1902 A, 617 (Merychippus).
Abel, O. 1926 B, 423, fig. 269.
Barbour and Cook 1917 B, 180.

Cope and Matthew 1915 A, pl. cxlviii *a*, fig. 4; pl. cxlix, figs. 5, 6 (This species?).
Cummins, W. T. 1893 A, 203 (This species?).
Dall and Harris 1892 A, 316.
Deussen, A. 1924 A, 21, 97, 99.
Deussen and Dole 1916 A, 149.
Dumble, E. T. 1894 A, 558.
1903 A, 957.
1915 A, 473.
1920 A, 238.
Gidley, J. W. 1903 C, 634.
1904 A, 245 (This species?).
1906 C, 136, figs. 3-5.
1907 A, 872, 882.
Loomis, F. B. 1926 A, 129, fig. 26.
Major, C. J. F. 1877 A, 10.
Marsh, O. C. 1874 E, 291.
Matthew, W. D. 1901 B, 358.
1909 C, 117.
1918 A, 186, 213.
1920 E, 238.
1923 A, 12 (This species?).
1924 C, 67, 153, 175.
Merfiam, J. C. 1917 A, 436 (This species?).
Merrill, G. P. 1907 A, 36 (Equus); 57 (Protohippus).
O'Harra, C. C. 1920 A, 158.
Osborn, H. F. 1918 A, 25, 28, 127, 129, pl. xxi, fig. 3; pl. xxv, fig. 8; text-figs. 102, 103, 116 *a*.
Sinclair, W. J. 1915 A, 77 (This species?).
Trouessart, E. L. 1905 A, 638 (Merychippus).
Lower Pliocene (Upper Snake Creek, Valentine); Nebraska, South Dakota: Miocene (Oakville); Texas.

Protohippus perditus secundus Osborn.

Osborn, H. F. 1918 A, 128, 144, pl. xxii, fig. 1; text-figs. 116, 116*a*.
Abel, O. 1928 B, 47, fig. 24 (P. secundus).
Loomis, F. B. 1926 A, 129, fig. 25 (P. secundus).
Upper Miocene or Lower Pliocene (Republican River); Nebraska.

Protohippus placidus Leidy.

Hay, O. P. 1902 A, 617 (Merychippus).
Barbour and Cook 1917 B, 180 (This species?).
Deussen, A. 1924 A, 21, 97, 99.
Deussen and Dole 1916 A, 149.
Dumble, E. T. 1894 A, 558.
1903 A, 957.
1915 A, 473.
1920 A, 238.
Gidley, J. W. 1903 C, 634.
1906 C, 140, figs. 6, 7.
1907 A, 869, 873, 887 (Merychippus).
Heilmann, G. 1916 A, 121, fig. 209.
Matthew, W. D. 1909 C, 117.
1918 A, 118, 213.
1920 E, 238.
1923 A, 12.
1924 C, 67, 153, 175.
Merriam, J. C. 1917 A, 436 (This species?).
Merrill, G. P. 1907 A, 57.
O'Harra, C. C. 1920 A, 158.
Osborn, H. F. 1918 A, 25, 127, 128, 133, pl. xxxiv, fig. 4; text-figs. 106, 107, 116*a*.
Sinclair, W. J. 1915 A, 77 (This species?).
Trouessart, E. L. 1905 A, 638 (Merychippus).
Troxell, E. L. 1916 A, 347.
Veith, A. 1912 A, 13.
Miocene (Oakville beds); Texas: Lower Pliocene (Upper Snake Creek and Valentine?); Nebraska.

Protohippus profectus Cope.

Hay, O. P. 1902 A, 617 (Syn. of Merychippus perditus).
Gidley, J. W. 1907 A, 874, 907.
Loomis, F. B. 1926 A, 129.
Matthew, W. D. 1909 C, 117.
Merriam, J. C. 1917 A, 438.
Osborn, H. F. 1918 A, 28, 127, 128, 143, pl. xxii, fig. 3; text-fig. 115.
Lower Pliocene (Republican River); Nebraska.

Protohippus proplacidus Osborn.

Osborn, H. F. 1918 A, 19, 27, 127, 128, 139, pl. xxv, fig. 7; pl. xxxiv, fig. 3; text-fig. 112.
Upper Miocene or Lower Pliocene (Pawnee Creek); Colorado.

Protohippus retrusus (Cope).

Hay, O. P. 1902 A, 620 (Hipparion).
Ameghino, F. 1904 A, 262 (Hipparion).
Gidley, J. W. 1907 A, 874, 906 (Hippotherium).
Matthew, W. D. 1909 C, 117 (Neohipparion).
Merriam, J. C. 1917 A, 438 (Neohipparion).
Osborn, H. F. 1918 A, 127, 128, 142, text-fig. 114.
Trouessart, E. L. 1905 A, 639 (Pseudohipparion).
Lower Pliocene (Republican River); Nebraska.

Protohippus simus Gidley.

Gidley, J. W. 1906 C, 139.
Frick, C. 1921 A, 333 (P. sinus).
Gidley, J. W. 1907 A, 876, 925.
Loomis, F. B. 1926 A, 129.
Matthew, W. D. 1909 C, 117.
O'Harra, C. C. 1920 A, 159.
Osborn, H. F. 1918 A, 25, 26, 127, 128, 136, pl. xxi, fig. 1; pl. xxii, fig. 2; text-fig. 109.
Upper Miocene or Lower Pliocene (Little White River); South Dakota.

Protohippus tehonensis Merriam.

Merriam, J. C. 1915 D, 52, fig. 4.
1916 C, 125, fig. 14.
1917 A, 426.
Nomland, J. O. 1917 B, 302.
Osborn, H. F. 1918 A, 25, 128, 138, text-fig. 111.
Upper Miocene or Lower Pliocene (Chanac); California.

Protohippus sp. indet.

Barbour and Cook 1917 A, 172. Pliocene (Devil's Gulch); Nebraska.
Cook, H. J. 1912 D, 44. Pliocene (Snake Creek); Nebraska.
1922 B, 10, 17, 6 figs. Pliocene (Snake Creek); Colorado.
Cope, E. D. 1885 M, 494. Miocene; Mexico.
Dumble, E. T. 1920 A, 225 (May be Merychippus). Miocene (Fleming); Texas.

Gidley, J. W. 1903 C, 634. Miocene (Clarendon); Texas.
1904 C, 72. Pliocene; California.
1918 C, 180. Late Tertiary (Flaxville); Montana.
1926 A, 83. Upper Pliocene or Lower Pleistocene; Arizona.
Hay, O. P. 1923 A, 8. Lower Pleistocene? (Idaho); Idaho.
1924 D, 169, 312. Pliocene?; Montana.
1927 D, 311 (This genus?). Pleistocene?; California, Idaho.
Lindgren, W. 1900 A, 99. Pleistocene? (Idaho); Idaho.
Lucas, F. A. 1900 H, 99. Pliocene?; Idaho.
Matthew, W. D. 1901 B, 358, 359.
1920 E, 225 (May be Merychippus). Miocene (Fleming); Texas.
Merriam, J. C. 1916 C, 125, fig. 15 (This genus?).
1917 A, 425 (This genus?). Pliocene (Etchegoin); California; 432 (This genus?). Pliocene (Idaho); Idaho.
Merrill, G. P. 1907 A, 57, 58. Miocene; Nebraska, New Mexico.
Osmont, V. C. 1904 A, 74. Pliocene; California.

Hipparion Christol. Type not fixed.

Hay, O. P. 1902 A, 619.
Abel, O. 1902 A, 170.
1909 E, (246) (Hipparion); (247) (Neohipparion).
1911 A, 178.
1912 C, (62), fig. 1.
1912 F, 235, 677, fig. 164.
1914 A, 247, fig. 223 (Hipparion); 247 (Neohipparion).
1919 A, 796, fig. 600.
1920 A, 452, fig. 690.
1921 A, 184.
1922 C, 115, fig. 105.
1926 B, 362, 419, 428, 447 (Hipparion); 362, 396, 428, 433, 452 (Neohipparion).
1926 H, (160) (Neohipparion, Hipparion).
1928 B, 48, 63, 72, 93 (Hipparion, Neohipparion).
Ameghino, F. 1885 A, 204.
1889 A, 521, 969, 974, 979.
1904 A, 531 (Hipparion); 533 (Neohipparion).
Anonymous 1908 B, 122 (Neohipparion).
Antonius, O. 1913 A, 244.
1919 A, 274, 281, 288, 292.
1923 A, (32).
Arldt, T. 1907 D, 658.
1909 C, 458.
Barbour, E. H. 1914 C, 222 (Hipparion, Neohipparion).
Beasley, W. L. 1903 A, 451.
Beddard, F. E. 1902 A, 246.
Boas, J. E. V. 1914 B, 597, fig. 44.
Boule, M. 1902 B, 912.
1905 A, 1664.
Branca, W. 1915 A, 52.
Bronn, H. G. 1848 A, 583.
1849 A, 707 (Hippotherium).
Cardoso, A. 1912 A, 400.
Case, E. C. 1899 B, 165.
Condon, T. 1902 A, 133, pls. xxiv, xxv.
1910 A, 111, pl. xxiv.
Dall and Harris 1892 A, 296 (Hippotherium).
Dean, B. 1906 A, 377.
Delafontaine, M. 1875 A, 175.
Depéret, C. 1905 A, 1518.
1905 B, 23.
1907 B.
1912 A, 708.
Dollo, L. 1896 A, 88.
Fairchild, H. L. 1894 A, 209.
Fejérváry, G. J. de 1921 B, 183 (Hipparion, Neohipparion).
Floderus, M. 1910 A, 99, fig. 1.
Flower, W. H. 1873 B, 101.
1892 A, 38, fig. 5.
Freudenberg, W. 1922 A, 10 (Neohipparion).
Gaudry, A. 1867 A, 218, pls. xxxiv-xxxvi.
1891 C, 43, figs. 5, 6, 14, 15, 29, 40.
1896 A, 87.
1906 A, 11.
Gervais, P. 1852 A, 65, explan. pl. xix.
1853 B, 36.
1859 A, 80.
Gidley, J. W. 1903 B, 465 (Hipparion); 466 (Neohipparion; type *N. whitneyi* Gidley).
1904 B, 191 (Hipparion); 194 (Neohipparion).
1907 A, 869 (Hipparion); 869, 924 (Neohipparion).
Giebel, C. G. 1855 A, 64, pl. xxvi, fig. 7.
1883 A, 145.
Gregory, W. K. 1912 F, 280, figs. 3, 5 (Neohipparion).
1917 D, 623.
Haug, E. 1911 A, 1705, 1706, 1886 (Neohipparion)
Hay, O. P. 1914 A, 147 (Neohipparion).
1918 B, 9, 10.
1919 A, 311.
1919 D, 373.
1923 A, 486.
1925 D, 240, 242.
1925 E, 381.
Heilprin, A. 1887 A, 371, 372.
Hescheler, K. 1906 A, 31.
Hoernes, R. 1886 A, 671.
Huxley, T. H. 1870 F, 533, 542.
1876 D, 200.
1876 F, 185.
Jacobi, A. 1921 A, 211.
Jaekel, O. 1902 E, 1114.
Joleaud, L. 1919 A, 708, fig. 4.
1919 B, 177.
1919 C, 310.
1919 D, 413.
Knipe, H. R. 1912 A, 169, fig.
Koken, E. 1893 B, 484.
Lankester, E. R. 1905 A, 136, fig. 93.
Leche, W. 1887 A.
1900 A, 1035.
1921 A, 69.
Loomis, F. B. 1926 A, 126, 131-133, 138-142.

Lull, R. S. 1907 A, 179 (Neohipparion); 180, fig. 4 (Hipparion).
1913 A, 12 (Neohipparion).
1917 B, 300, 611, 617, figs. 54, 223-225.
Lydekker, R. 1903 B, 202.
1904 A, 18.
1907 A, 5, fig. 2 D.
1912 A, 256, fig. (Hipparion); 258 (Neohipparion).
Major, C. J. F. 1880 A.
Marsh, O. C. 1874 E, 290, fig. 75.
Matthew, W. D. 1903 A, 23, pl. v.
1907 A, 176 (Neohipparion).
1908 I, 122 (Neohipparion).
1909 A, 119 (Neohipparion).
1910 G, 155 (Neohipparion).
1913 F, 20, 25, figs. 12, 16, 21.
1914 G, 234.
1915 A, 236, 314.
1915 K, 413, 456.
1916 J, 9, 11, 12.
1924 B, 630.
1924 C, 69, 153, 162, 172 (Hipparion); 166 (Neohipparion).
1924 E, 748, 752.
1924 G, 630.
1926 B, 5, 6.
1926 C, 160, 164, 167 (Hipparion, Neohipparion); 165, 167 (Nannithehippus as subgenus; type *Merychippus phlegon*).
1928 B, 979, fig. 15.
Matthew and Cook 1909 A, 367, 389 (Hipparion); 366, 388 (Neohipparion).
Merriam, J. C. 1911 B, 217 (Neohipparion).
1914 C, 644 (Neohipparion).
1915 A, 1, 7, 8.
1915 E, 194, 218 (Neohipparion); 233 (Hipparion).
1915 F, 255, 258.
1915 G, 99 (Neohipparion).
1916 C, 122 (Neohipparion).
1916 F, 171.
1917 A.
1919 A, 451, 528, 530, 556 (Hipparion); 452, 455, 531, 556 (Neohipparion).
Merriam, Stock, Moody 1925 A, 56, 59.
Meunier, S. 1903 A, 776 ("hipparions").
Miller, G. S. 1920 B, 190.
Moreau, L. 1914 A, 87.
O'Harra, C. C. 1910 A, 96, 133.
Osborn, H. F. 1902 H, 715.
1905 K, 608 (Neohipparion).
1905 L, 564 (Neohipparion).
1907 G, 177, fig. 164.
1909 D, 79, 80, 83 (Hipparion, Neohipparion).
1910 B, 617 (Hipparion); 625 (Neohipparion).
1912 G, 248.
1915 B, 222.
1917 B, 266, 267, fig.
1918 A, 4, 22, 24, 27-30, 33, 146, 173.
1922 E, 282.
Owen, R. 1845 B, 573, pl. cxxxvi, fig. 3 (Hippotherium).
1868 A, 884.
1869 E, 536, fig. 3.
1879 C, 581.
Palacký, J. 1903 B, 312.
Palmer, T. S. 1904 A, 325, 937.
Pavlow, M. 1903 A, 181.
1907 A, 143.
1915 A, 18.
1925 A, 313-328, fig. 5 (Hipparion, Hippotherium, Neohipparion).
Pilgrim, G. E. 1913 A, 267, 295.
Pocock, R. I. 1905 A, 517.
Preiswerk, G. 1895 A, 435, fig. 4.
Regnault, F. 1903 A, 110.
Reynolds, S. H. 1897 A, 508, 524, fig. 110.
Rosenberg, A. 1873 A, 135.
Sauvage, H. E. 1882 A, 105, fig.
Scharff, R. F. 1911 A, 148.
Schlesinger, G. 1914 A, 212, figs. 1, 5-7.
Schlosser, M. 1902 J, 208.
1903 I, 78, 84, 181, 211.
1924 A, 67.
Schmidt, O. 1886 A, 202, fig. 35.
Scott, W. B. 1896 D, 53.
1913 A, 291.
Seeley, H. G. 1878 A, 224.
Sefve, I. 1914 A, 248.
1927 A, 1-91, pls. i-vii.
Sellards, E. H. 1914 A, 162 (Neohipparion).
1915 C, 8.
Shufeldt, R. W. 1889 D, 11.
Steinmann, G. 1907 A, 492.
Sternberg, C. 1881 A, 541.
Stromer, E. 1906 A, 210.
Thorpe, M. R. 1927 A, 168.
Tornier, G. 1888 A, 303.
Trouessart, E. L. 1892 A, 188.
1905 A, 639 (Neohipparion); 641 (Hipparion).
Underhill, B. M. 1907 A, 117.
Veith, A. 1912 A, 1.
Villada, M. M. 1903 A, 444.
Wallace, A. R. 1876 A, I, 495; II, 211.
Weber, M. 1904 A, 600, 621.
Weber and Abel 1928 A, xviii, xxii, 636, 677, 679, 682, fig. 466 (Hipparion, Neohipparion).
Weber and Burlet 1927 A, 250, fig. 187.
Winge, H. 1906 A, 150.
Woodward, A. S. 1898 D, 333.
Wright, R. R. 1883 A, 251.
Zittel, K. A. 1895 A, 305.
1897 A, 126.
Zittel and Schlosser 1911 A, 461 (Hipparion); 462 (Neohipparion).
1923 A, 417, 541, 548, figs. 519, 670, 671, 673, 679, 680, 684 (Hipparion); 548 (Neohipparion).

Hipparion affine Leidy.

Hay, O. P. 1902 A, 619.
Abel, O. 1926 B, 423, 428, 430, fig. 269 (Neohipparion).
Gidley, J. W. 1903 C, 634 (Hippotherium).
1907 A, 873, 887 (Neohipparrion).
Joleaud, L. 1919 C, 310.
Matthew, W. D. 1909 C, 117 (Neohipparion).
1923 A, 12.
1923 E, 131.
1924 C, 67, 172, 174.
Matthew and Cook 1909 A, 338 (Neohipparion affine?).

Merriam, J. C. 1915 A, 2 (Neohipparion).
1917 A, 436 (This species?).
Merriam, Stock, Moody 1925 A, 76.
Merrill, G. P. 1907 A, 37.
Osborn, H. F. 1918 A, 174, 178, text-fig. 141.
Sinclair, W. J. 1915 A, 77 (This species?).
Lower Pliocene (Upper Snake Creek); Nebraska.

Hipparion anthonyi Merriam.

Merriam, J. C. 1916 D, 131, figs. 1, 2.
Buwalda, J. P. 1924 A, 572.
Merriam, J. C. 1917 A, 428 (This species?).
Merriam, Stock, Moody 1925 A, 59.
Osborn, H. F. 1918 A, 179, 190, text-fig. 153.
Stock, C. 1925 A, 18 (This species?).
Pliocene (Rattlesnake?); Oregon.

Hipparion coloradense Osborn.

Osborn, H. F. 1918 A, 6, 174, 175, 183, text-fig. 146.
Abel, O. 1928 B, 43, 77, 80, figs. 20, 45.
Upper Miocene or Lower Pliocene (Pawnee Creek); Colorado.

Hipparion condoni Merriam.

Merriam, J. C. 1915 A, 6, figs. 4, 5.
1916 D, 133.
Osborn, H. F. 1918 A, 22, 27, 174, 175, text-fig. 139.
Miocene (Ellensburg); Washington: (Mascall); Oregon.

Hipparion cragini Hay.

Hay, O. P. 1917 D, 42, pl. i, figs. 6, 7.
Calvin, S. 1909 A, 138 ("Equus").
1911 A, 211, pl. xix, figs. 5, 7 (H. gratum).
Hay, O. P. 1914 A, 26, 149, 150, pl. ix, figs. 1-4, 7; text-fig. 44 (Neohipparion gratum?).
1924 D, 140, 146, 270 (Hipparion, Neohipparion).
Pleistocene (Aftonian); Kansas, Missouri, Iowa.
The specimens from Missouri and Iowa may belong to undescribed species.

Hipparion dolichops Gidley.

Gidley, J. W. 1906 C, 148, figs. 14-17 (Neohipparion).
Cook, H. J. 1922 B, 10, 16, 6 figs. (This species?).
Gidley, J. W. 1907 A, 876, 926 (Neohipparion).
Matthew, W. D. 1909 C, 117 (Neohipparion).
Osborn, H. F. 1918 A, 25, 26, 174, text-fig. 145.
Pavlow, M. W. 1925 A, 316, 324, fig. 2 (Neohipparion).
Zittel and Schlosser 1911 A, 462, fig. 645 (Neohipparion).
1923 A, 548, fig. 684 (Neohipparion).
Upper Miocene (Arikaree); South Dakota.

Hipparion eurystylum (Cope).

Hay, O. P. 1902 A, 620.
Cummins, W. F. 1893 A, 203 (Equus euristylus).
Dumble, E. T. 1894 A, 559 (Equus).
Gidley, J. W. 1901 A, 107, 125, 140, figs. 14-16
1903 C, 630 (Equus).
1907 A, 875, 918.
Matthew, W. D. 1909 C, 117 (Neohipparion).
Merriam, J. C. 1915 A, 3 (Equus).
Montgomery, T. H. 1904 A, 58 (Equus).
Osborn, H. F. 1918 A, 26, 174, 186, pl. xxxiii, figs. 1-4; text-fig. 149 (H. eurystyle).
Trouessart, E. L. 1905 A, 640.
Miocene (Clarendon); Texas, or Pliocene; Nevada?

Hipparion gidleyi (Merriam).

Merriam, J. C. 1915 A, 1, fig. 1 (Neohipparion).
Joleaud, L. 1919 C, 310.
Osborn, H. F. 1918 A, 22, 29, 174, 187, text-fig. 150.
Upper Miocene or Lower Pliocene (San Pablo?); California.

Hipparion gratum Leidy.

Hay, O. P. 1902 A, 620.
Abel, O. 1926 B, 423, fig. 269.
Baker, F. C. 1920 A, 464 (Neohipparion).
Barbour and Cook 1917 B, 180.
Freudenberg, W. 1922 A, 10 (Hippotherium).
Gidley, J. W. 1906 C, 145, figs. 10-13 (Neohipparion).
1907 A, 869, 873, 888 (Neohipparion).
Hay, O. P. 1917 D, 42 (Neohipparion).
1924 D, 140, 146.
Joleaud, L. 1919 A, 708.
1919 B, 177.
1919 C, 311.
Loomis, F. B. 1926 A, 133.
Matthew, W. D. 1909 C, 117 (Neohipparion).
1918 A, 186, 213.
1924 C, 67, 172, 174.
Merriam, J. C. 1916 C, 118 (Neohipparion).
1917 A, 436.
Merriam, Stock, Moody 1925 A, 76.
Merrill, G. P. 1907 A, 38 (Hipparion); 39, 40 (Hippotherium).
Osborn, H. F. 1918 A, 25, 28, 174, 179, pl. xxxii, fig. 3; text-figs. 142, 143.
Pavlow, M. W. 1925 A, 315, 324, fig. 1 (Neohipparion).
Sinclair, W. J. 1915 A, 77.
Trouessart, E. L. 1905 A, 640.
Miocene or Pliocene (Little White River); South Dakota; Lower Pliocene (Upper Snake Creek); Nebraska: Miocene (Valentine); Nebraska.

Hipparion gratum tehonense Merriam.

Merriam, J. C. 1916 C, 118, figs. 1, 2, 4-8 (Neohipparion).
1917 A, 426.
Osborn, H. F. 1918 A, 25, 174, 189, text-fig. 152.
Pliocene (Chanac); California.

Hipparion ingenuum (Leidy).

Leidy, J. 1885 A, 33 (Hippotherium).
Hay, O. P. 1902 A, 620 (H. gratum, in part).
Gidley, J. W. 1907 A, 874, 902, 905.
Hay, O. P. 1923 A, 486.
Matson and Clapp 1909 A, 136 (Hippotherium).
Matthew, W. D. 1909 C, 117 (Neohipparion).
Merriam, J. C. 1917 A, 439.
1919 A, 532, 559.
Merrill, G. P. 1907 A, 40 (Hippotherium).

Osborn, H. F. 1918 A, 28, 174, 191, text-fig. 154.
Sellards, E. H. 1916 B, 94, 97.
Spencer, J. W. 1895 A, 136, 137.
Trouessart, E. L. 1905 A, 640 (Syn. of H. gratum).
Pliocene (Alachua and Bone Valley); Florida.

Hipparion lenticulare (Cope).

Hay, O. P. 1902 A, 617 (Merychippus).
Abel, O. 1926 B, 428.
Cummins, W. F. 1893 A, 203 (Merychippus).
Dumble, E. T. 1894 A, 559 (Protohippus).
Gidley, J. W. 1903 A, 630 (Protohippus); 634 (Hipparion).
1907 A, 915 (Hipparion); 875 (Protohippus).
Loomis, F. B. 1926 A, 133.
Matthew, W. D. 1909 C, 117 (Neohipparion).
1918 A, 186, 213.
1924 C, 175.
Montgomery, T. H. 1904 A, 57 (Protohippus).
Osborn, H. F. 1918 A, 26, 174, 184, pl. xxxii, fig. 2; pl. xxxiii, figs. 6, 7; text-figs. 147-148*a*.
Trouessart, E. L. 1905 A, 638 (Merychippus).
Lower Pliocene (Clarendon); Texas.

Hipparion leptode (Merriam).

Merriam, J. C. 1915 A, 3, fig. 3 (Neohipparion).
1916 D, 133 (Neohipparion).
1917 A, 429 (Neohipparion).
Merriam and Stock 1928 A, 9, pl. i; text-figs. 4-10.
Merriam, Stock, Moody 1925 A, 59 (H. leptode or H. occidentale).
Osborn, H. F. 1918 A, 22, 30, 174, 197, text-fig. 161.
Pliocene (Thousand Creek); California.

Hipparion minus Sellards.

Sellards, E. H. 1916 B, 96, pl. ii, fig. 10; pl. xiii, fig. 8 (H. minor).
Abel, O. 1926 B, 428 (H. minor).
1926 H, (163).
Hay, O. P. 1923 A, 197, 380.
Joleaud, L. 1919 A, 708 (H. minor).
1919 C, 311 (H. minor).
Merriam, J. C. 1917 A, 439 (H. minor).
Osborn, H. F. 1918 A, 28, 29, 174, 192, text-fig. 156.
Pliocene (Bone Valley); Florida.

Hipparion mohavense Merriam.

Merriam, J. C. 1913 H, 436, figs. 1-3 (This genus?).
Abel, O. 1926 B, 428.
1928 B, 81, fig. 48.
Clark, B. L. 1921 A, table.
Joleaud, L. 1919 C, 310.
Loomis, F. B. 1926 A, 139, fig. 28.
Matthew, W. D. 1924 C, 173, 175.
Merriam, J. C. 1915 A, 3, 5, 8.
1916 C, 118.
1917 A, 426 (This species?); 430.
1919 A, 525, 527, 530, 549, 559, 560, figs. 163-170*b*.
Merriam, Stock, Moody 1925 A, 59.
Osborn, H. F. 1918 A, 22, 29, 30, 174, 193, text-fig. 156.
Stock, C. 1921 B, 20, fig. 1 (H. near mohavense).
Lower Pliocene (Ricardo, Siestan?, Orinda); California.

Hipparion mohavense callodonte Merriam.

Merriam, J. C. 1915 D, 15, figs. 5-7.
1916 D, 132.
1917 A, 430.
1919 A, 525, 527, 560, figs. 171-175.
Osborn, H. F. 1918 A, 29, 174, 194, text-fig. 158.
Stock, C. 1921 B, 20.
Lower Pliocene (Ricardo); California.

Hipparion molle Merriam.

Merriam, J. C. 1915 A, 3, fig. 2 (Neohipparion).
Joleaud, L. 1919 C, 311.
Merriam, J. C. 1915 E, 218, fig. 26 (Neohipparion).
1916 C, 120, figs. 3, 9 (Neohipparion. This species?).
1917 A, 425 (Neohipparion); 426 (Hipparion. This species?).
Merriam, Stock, Moody 1925 A, 76.
Nomland, J. O. 1916 A, 83 (Neohipparion).
1917 B, 297, 298 (Neohipparion).
Osborn, H. F. 1918 A, 22, 29, 174, 196, text-fig. 160.
Pliocene (Etchegoin, Chanac); California.

Hipparion montezumæ (Leidy).

Hay, O. P. 1902 A, 620.
Freudenberg, W. 1922 A, 4 (Hippotherium montezuma).
Gidley, J. W. 1907 A, 874, 899, 900 (Neohipparion).
Joleaud, L. 1919 C, 311 (H. montezuma).
Matthew, W. D. 1909 C, 117 (Neohipparion).
Merriam, J. C. 1915 A, 3 (Neohipparion).
Merriam, Stock, Moody 1925 A, 76.
Merrill, G. P. 1907 A, 40 (Hippotherium).
Osborn, H. F. 1904 R, 12 (Equus).
1905 I, 110 (Equus).
1918 A, 31, 174, 197, text-fig. 161.
Trouessart, E. L. 1905 A, 640 (Neohipparion montazumai).
Miocene?; Mexico.

Hipparion occidentale Leidy.

Hay, O. P. 1902 A, 620.
Abel, O. 1928 B, 77, fig. 45.
Cook, H. J. 1922 B, 10.
Dall and Harris 1892 A, 282, 292 (Hippotherium).
Gidley, J. W. 1903 C, 634 (Hippotherium).
1904 A, 245 (Neohipparion).
1906 C, 145 (Neohipparion).
1907 A, 872, 877 (Neohipparion).
Joleaud, L. 1919 A, 708.
1919 B, 177.
1919 C, 310.
Loomis, F. B. 1926 A, 132.
Marsh, O. C. 1874 E, 291.
Matson and Clapp 1909 A, 137 (Hippotherium).
Matthew, W. D. 1909 C, 117 (Neohipparion).
1924 C, 67, 172.
Merriam, J. C. 1911 B, 230 (Neohipparion).
1917 A, 428, 429, 436 (This species?).

Merriam, J. C. 1908 A. 196, 216.
Merriam and Sinclair 1907 A. 265, 298 (Neohipparion).
Merriam and Stock 1927 A. 41 ('This species').
1928 A. 17, text-fig. 11 ('This species') (H. (Neohipparion)).
Merriam, Stock, Moody 1925 A. 31, 76, fig. 35, fig. 36'
O'Harra, C. C. 1920 A. 138.
Osborn, H. F. 1918 A. 35, 85, 170, 171, pl. xxv, fig. 4, pl. xxvii, fig. 5, text-fig. 140.
Sinclair, W. J. 1910 A. 78 ('This species').
Stock, C. 1925 A. 16 ('This species').
Troxell, E. L. 1916 A. 624 (Neohipparion. Miocene' 'Loup White River' Scott Dakota Lower Pliocene (Snake Creek Nebraska Rattlesnake Oregon Thousand Creek' Nevada.

Hipparion peninsulatum (Cope).

Hay, O. P. 1902 A. 620.
Felix and Lenk 1901 A. 126.
Freudenberg, W. 1910 A. 181 (Hippotherium).
1922 A. 4 (Hippotherium).
Gidley, J. W. 1907 A. 874, 900 (Syn. of Neohipparion mexicanum).
Johnson, L. 1913 C. 311.
Loomis, F. B. 1926 A. 198, fig. 28.
Matthew, W. D. 1909 C. 117 (Neohipparion).
Osborn, H. F. 1918 A. 31, 174, 195, text-fig. 163. Pliocene; Mexico.

Hipparion phlegon (Hay).

Hay, O. P. 1902 A. 617 (Merychippus).
Boule and Thevenin 1920 A. 141 (Equus minutus).
Dumble, E. T. 1894 A. 389 (Equus minutus).
Gidley, J. W. 1901 A. 107, 127, 141, text-fig. 18 (Protohippus).
1908 C. 627 ('Equus minutus = Protohippus sp.').
1907 A. 873, 880 (Protohippus).
Matthew, W. D. 1909 C. 120 (Protohippus minutus).
1925 B. 221 (Hipparion).
1926 C. 165, 167 (Nannipus).
Merriam, J. C. 1917 A. 488 (Protohippus' minutus).
Montgomery, T. H. 1904 A. 58 (Equus minutus).
Osborn, H. F. 1918 A. 30, 147, 166, pl. xxxiii, fig. 8; text-fig. 136 (Pliohippus minutus. Equus phlegon).
Troxell, E. L. 1916 A. 636 (Merychippus). Pliocene (Blanco); Texas.

Hipparion platystyle Merriam.

Merriam, J. C. 1915 A. 5.
1917 A. 488.
1919 A. 530.
Osborn, H. F. 1918 A. 22, 26, 174, 188, text-fig. 151.
Pliocene (Oreodia); California.

Hipparion plicatile (Leidy).

Hay, O. P. 1902 A. 620.
Freudenberg, W. 1922 A. 10 (Hippotherium).
Gidley, J. W. 1907 A. 874, 905.
Gidley, J. W. 1913 D. 68.
Hay, O. P. 1916 C. 41, pl. ii, fig. 3.
1923 A. 486.
Johnson, L. 1914 A. 705.
1918 S. 177.
Loomis, F. B. 1926 A. 198, fig. 28.
Matthew, G. C. 1901 A. 33, xx, figs. a, d ('horse').
Merriam and Sinclair 1907 A. 186 (Hippotherium).
Middlebush, W. T. 1908 C. 117 (Neohipparion).
1924 C. 173.
Merriam, J. C. 1913 B. 485 (Neohipparion).
1916 C. 116.
1917 A. 488.
1919 A. 532, 559.
Merrill, G. P. 1907 A. 41, 42 (Hippotherium).
Osborn, H. F. 1918 A. 28, 174, 182, text-figs. 158, 158a.
Schlaikjer, E. M. 1935 A. xi, x, fig. 1 ('horse').
1935 B. 44.
Spencer, J. W. 1895 A. 186.
Troxell, E. L. 1916 A. 640 (Neohipparion). Pliocene (Alachua Bone Valley' Florida.

Hipparion rectidens (Cope).

Hay, O. P. 1902 A. 620.
Freudenberg, W. 1910 A. 181 (Hippotherium).
Gidley, J. W. 1907 A. 874, 904.
Matthew, W. D. 1909 C. 117 (Neohipparion).
Osborn, H. F. 1918 A. 31, 174, 195, text-fig. 164.
Troxell, E. L. 1916 A. 640 (Neohipparion). Pliocene; Mexico.

Hipparion simolairi (Wortman).

Hay, O. P. 1902 A. 621 (H. simolairi).
Arrighetti, F. 1904 A. 45, 257, figs. 30, 348.
Dall and Harris 1892 A. 292 (Hippotherium).
Gidley, J. W. 1907 A. 874 (Hippotherium sarcum'. 900 (Neohipparion simolairi).
Johnson, L. 1913 C. 311 (H. simolairi).
Loomis, F. B. 1926 A. 198, fig. 28.
Matthew, W. D. 1909 C. 117 (Neohipparion simolairi).
1924 C. 172.
Merriam, J. C. 1913 B. 520 (Neohipparion).
1915 A. 3 (Neohipparion simolairi).
1917 A. 488 (H. simolairi).
Merriam and Sinclair 1907 A. 183, 186 (Neohipparion).
Merriam and Stock 1927 A. 41 ('This species').
Merriam, Stock, Moody 1925 A. 30, 76, fig. 32.
Osborn, H. F. 1918 A. 31, 174, 195, text-fig. 158.
Stock, C. 1925 A. 15 (H. simolairi).
Troxell, E. L. 1916 A. 640 (Neohipparion). Pliocene (Rattlesnake) Oregon.

Hipparion venustum Leidy.

Hay, O. P. 1902 A. 621.
Abel, O. 1926 B. 428.
Calvin, S. 1911 A. 211.
Gidley, J. W. 1907 A. 872, 884, 903.
Hay, O. P. 1923 A. 485.
Holmes, F. S. 1858 A. 184 ('hipparion')
1860 A. vi ('hipparion')
Johnson, L. 1918 A. 705.
1919 B. 177.
Leidy, J. 1858 J. 181 (Hippotherium).
Matthew, W. D. 1924 C. 173.

Merriam, J. C. 1907 A, 441.
1915 A, 362.
Osborn, H. F. 1918 A, 21, 174, 200, text-fig. 105.
Troxell, E. L. 1915 A, 661 (Neohipparion). Pliocene? Ashley River, South Carolina.

Hipparion whitneyi Gidley.

Unless otherwise indicated the authors, as quoted, use for this species the generic name *Neohipparion*.

Gidley, J. W. 1903 B, 467, 474, 476.
Abel, O. 1912 F, 234, fig. 162.
1913 E, 714, fig. 102 (*Hipparion*).
1914 A, 108, fig. 94.
1914 D, 12, fig. 1.
1920 A, 449, fig. 656.
1922 C, 274, fig. 231.
1924 E, 14.
1926 E, 427, fig. 272.
1926 H (192).
1928 E, 49, fig. 26.
Gidley, J. W. 1904 A, 245.
1906 C, 126, 143.
1907 A, 870, 924.
1927 D, 287, fig.
Johnson, L. 1919 C, 210.
Loomis, F. B. 1926 A, 182, pl. x, fig. 2.
Lull, R. S. 1907 A, 190, fig. 14.
1917 E, 617 (*Hipparion*).
Matthew, W. D. 1906 C, 117.
1913 F, 21, fig. 9 (*Hipparion*).
1915 K, 432, fig. 22 (*Hipparion*).
1917 A, 375 (*Hipparion*).
1924 C, 172.
1926 C, 165, fig. 22.
Matthew and Cook 1909 A, 362 (True species?).
Matthew, C. C. 1910 A, 26.
1920 A, 102, 159, pls. xxiv, xxxiv; text-fig. 41 (*Neohipparion*).
Osborn, H. F. 1904 F, 13 (*Hipparion*).
1904 O, 156.
1904 R, 11, fig. 7 (*Hipparion*).
1904 S, 300.
1905 I, pl. xi.
1905 L, 565, fig. 2.
1910 B, 243, fig. 123.
1911 C, pl. iv ("*Neohipparion*").
1918 A, 25, 26, 174, pl. xxxi, figs. 1, 2; pl. xxxii, fig. 1; pl. xxxix, figs. 1, 4; pl. li, figs. 2, 6; text-figs. 51, 144 (*Hipparion*).
Pavlow, M. W. 1925 A, 324 (*Neohipparion*).
Scott, W. B. 1913 A, 296, 299, figs. 150, 151.
Troxell, E. L. 1905 A, 630 (*Neohipparion*). Upper Miocene (Arikaree); South Dakota.

Hipparion sp. indet.

Barbour and Cook 1917 A, 172. Pliocene (Devil's Gulch); Nebraska.
Buwalda, J. P. 1924 A, 572. Middle Neocene (Payette); Idaho.
Calvin, S. 1909 A, 138 ("Equus").
1911 A, 211, pl. xix, figs. 5, 7 (H. gratum?). Pleistocene (Aftonian); Missouri.
Chaney, R. 1925 A, 33. Tuolumne Table Mountain; California.
Cook, H. J. 1912 D, 44 (*Neohipparion*). Pliocene (Snake Creek); Nebraska.
Cope, E. D. 1893 M, 444 (*Hippotherium*). Miocene; Mexico.
Gidley, J. W. 1904 C, 67, 71 (*Neohipparion*). Pliocene (Orindan); California.
1907 D, 21 (*Neohipparion*). Pliocene; Florida.
1919 C, 16 (*Neohipparion*). Late Tertiary (Pliocene); Montana.
1922 E, 126, 127. Pliocene? (San Pedro Valley); Arizona.
1928 A, 22 ("*Neohipparion*"). Upper Pliocene or Lower Pleistocene; Arizona.
Hay, O. P. 1902 A, 498.
1924 D, 272. Pleistocene; Iowa, Missouri, Montana? Nebraska?
1927 D, 302, 306. Pleistocene; California, Arizona.
1928 C, 423.
Mason, G. C. 1915 A, 37, pl. xii, figs. C, D (none). Pliocene; Florida.
Matthew, W. D. 1901 B, 359, 364.
1909 C, 120 (*Neohipparion*). Pliocene (Blanco); Texas.
1924 B, 630. Pliocene (Blanco); Texas.
1924 G, 630. Pliocene; Florida.
Merriam, J. C. 1913 E, 375, 376, fig. 3 ("*Hipparion*" or "*Neohipparion*"). Pliocene (Orindan); California.
1913 H, 440 (This genus?) ("*Hipparion* or *Neohipparion*"). Pliocene (Orindan); California.
1915 B, 256, fig. 3 (*Hipparion* or *Merychippus* sp.). Miocene?; California.
1915 E, 217, fig. 27 (*Neohipparion*).
1917 A, 425; 435 (*Neohipparion*); 439 (*Hipparion*). Pliocene (Rattlesnake); Oregon; (Dumellon); Florida.
1919 A, 525, 527, 554, figs. 176, 177. Upper Miocene (Barstow); Lower Pliocene (Ricardo); California.
1923 A, 440 ("horses"). Table Mountain, California.
Merriam and Buwalda 1917 A, 255. Miocene or Pliocene (Ellensburg); Washington.
Merriam and Sinclair 1907 A, 196 (*Neohipparion*). (Mascall); Oregon.
Merrill, G. P. 1907 A, 39 (*Hipparion*); 49 (*Neohipparion*). "Loup Fork"; Nebraska.
Moodie, R. L. 1923 A, 335, fig. 1. Pliocene (Snake Creek); Nebraska (This genus?).
Osborn, H. F. 1918 A, 19. Middle Miocene (Pawnee Creek); Colorado.
Osmont, V. C. 1904 A, 75. Pliocene (Orindan); California.
Sellards, E. H. 1915 D, 73, 76, 77, 81. Tertiary; Florida.
Smith, G. O. 1903 A, 2. Miocene (Ellensburg); Washington.
1904 A, 8. Miocene (Ellensburg); Washington.
Whittlesey, C. 1866 A, 16 (Hippotherion. This genus? Probably Equus). Pleistocene; Ohio.
Young and Cooper 1927 A, 5, fig.

PLIOHIPPUS Marsh. Type *P. pernix* Marsh.

Hay, O. P. 1902 A, 618 (Pliohippus, Hippidion).
Abel, O. 1909 E, (247).
1912 F, 629.
1913 B, 754a.
1926 B, 362, 396, 419, 433, 455.
1926 H, (161).
1928 B, 17, 44, 51.
Anonymous 1921 A, 323, fig.
Antonius, O. 1919 A, 287.
Aridt, T. 1907 B, 453.
1907 D, 203, 257.
1909 C, 458.
Berry, E. W. 1922 A, 111.
Berthoud, E. L. 1879 A, 155.
Boule and Thevenin 1920 A, 116.
Case, E. C. 1899 B, 165.
Clark, B. L. 1921 A, table.
Dall and Harris 1892 A, 285.
Fürbringer, M. 1902 A, 203.
Gidley, J. W. 1904 B, 193 (= ? Protohippus).
1907 A, 868 (Protohippus); 869 (Hippidion).
Haug, E. 1911 A, 1706.
Hay, O. P. 1919 D, 375.
1923 A, 2, 9, 15.
1925 D, 241.
Heilprin, A. 1887 A, 12 (Hippidium); 371, 372 (Pliohippus).
Lobley, J. L. 1908 A, 212.
Loomis, F. B. 1926 A, 233, figs. 7, 8, 24.
Lucas, F. A. 1901 J, 166.
Lull, R. S. 1907 A, 178, 181, fig. 6.
1913 A, 12 (Pliohippus, Hippidion).
1917 B, 611, 617, 618.
Lydekker, R. 1907 A, 5, fig. 12.
1912 A, 250 (Pliohippus, Hippidium).
Matthew, W. D. 1901 A, 374.
1903 A, 20.
1908 A, 20 (Pliohippus); 24 (Hippidion).
1909 C, 119.
1910 G, 155.
1913 B, 291.
1913 F, 20, 25, fig. 16.
1915 A, 196, 236, 314.
1915 K, 456.
1916 J, 9, 11.
1920 C, 475.
1924 B, 630.
1924 C, 69, 153, 166.
1924 D, 1.
1924 E, 748.
1924 G, 629.
1926 C, 151, 161, 167, figs. 8, 27.
1928 B, 979, fig. 15.
Matthew and Cook 1909 A, 366, 368 (Pliohippus, Hippidion).
Merriam, J. C. 1911 B, 215, 216, 217, 219, 221, 265.
1915 E, 194 (This genus?); 219, 233.
1915 F, 255.
1915 G, 99.
1916 B, 525.
1916 D, 132.
1917 A.
1919 A, 451, 455, 528.
Merriam, Stock, Moody 1925 A, 59.
Osborn, H. F. 1904 R, 11.
Osborn, H. F. 1905 H, 225.
1905 I, 109.
1910 B, 346, 349, 350, 628.
1912 G, 250.
1918 A, 4, 22, 28, 29, 50, 146.
1922 E, 252.
1926 C, 341.
Palacký, J. 1903 B, 317 (Pliohippus, Hippidion).
Palmer, T. S. 1904 A, 552, 937.
Pavlow, M. W. 1925 A, 317, seq.
Schlesinger, G. 1914 A, 214.
Scott, W. B. 1913 A, 296, 309.
1917 A, 108.
Shufeldt, R. W. 1889 D, 11.
Taylor, W. P. 1917 A, 272.
Thorpe, M. R. 1927 A, 168.
Trouessart, E. L. 1905 A, 638.
Underhill, B. M. 1907 A, 117, 120.
Wallace, A. R. 1876 A, 1, 135.
Weber, M. 1904 A, 622.
Weber and Abel 1928 A, 680.
Woodward, H. 1904 B, 160.
Zittel and Schlosser 1911 A, 461.
1923 A, 548. 550, 673, 679, 680.

Pliohippus coalingensis (Merriam).

Merriam, J. C. 1914 C, 645 (Protohippus).
Clark, B. L. 1921 A, table.
Merriam, J. C. 1914 C, 644, 645 (Protohippus).
1915 E, 193, 194, 220, fig. 29.
1917 A, 425.
1919 A, 507.
Merriam, Stock, Moody 1925 A, 60.
Nomland, J. O. 1917 A, 217.
Osborn, H. F. 1918 A, 24, 30, 31, 147, 165, text-fig. 133.
Pliocene (Etchegoin); California.

Pliohippus cumminsii (Cope).

Hay, O. P. 1902 A, 616 (Merychippus).
Boule and Thevenin 1920 A, 141 (Equus).
Dumble, E. T. 1894 A, 559 (Equus).
Frick, C. 1921 A, 289, 328, 332.
Gidley, J. W. 1901 A, 107, 126, 140, text-fig. 17 (Protohippus).
1903 C, 624, 627 ("Equus=Protohippus sp.?").
1907 A, 875, 919 (Protohippus).
Matthew, W. D. 1909 C, 120 (Protohippus).
Merriam, J. C. 1916 B, 526, fig. 15 [Equus (Pliohippus)].
1917 A, 435.
Montgomery, T. H. 1904 A, 58 (Equus).
Osborn, H. F. 1918 A, 30, 147, 168, pl. xxiv, figs. 3, 4; text-fig. 135.
Trouessart, E. L. 1905 A, 638 (Merychippus).
Pliocene (Blanco); Texas.

Pliohippus edensis Frick.

Frick, C. 1921 A, 388, figs. 111-125 (with subforms A. B.); 396-401, figs. 132-151 (This species?).
1926 C, 441.
Stock, C. 1925 A, 21.
Pliocene (Eden); California.

Pliohippus fairbanksi Merriam.

Merriam, J. C. 1915 D, 55, fig. 8.
Clark, B. L. 1921 A, table.
Frick, C. 1921 A, 392.
Merriam, J. C. 1916 B, 530.
1917 A, 425, 428, 429 (This species?); 430.
1919 A, 506, 525, 527, 564, figs. 183-187, 190-192.
Merriam and Stock 1928 A, 8 (This species?).
Merriam, Stock, Moody 1925 A, 71.
Osborn, H. F. 1918 A, 24, 29, 30, 147, 164, text-fig. 131.
Stock, C. 1925 A, 18, 20 (This species?).
Pliocene (Pinole Tuff-Orinda); California: (Rattlesnake); Oregon: (Thousand Creek); Nevada: (Ricardo); California.

Pliohippus fossulatus (Cope).

Hay, O. P. 1902 A, 616 (Merychippus).
Abel, O. 1928 B, 54, 58, fig. 33.
Gidley, J. W. 1903 C, 634 (Protohippus).
1907 A, 875 (Merychippus); 914 (Protohippus).
Gregory, W. K. 1920 B, pl. xviii.
Matthew, W. D. 1909 C, 107 (Protohippus).
Montgomery, T. H. 1904 A, 57 (Protohippus).
Osborn, H. F. 1918 A, 26, 147, 156, pl. xxiii, fig. 1; pl. xxiv, fig. 1; text-figs. 124, 125.
Trouessart, E. L. 1905 A, 638 (Merychippus).
Upper Miocene or Lower Pliocene (Clarendon); Texas.

Pliohippus francescanus Frick.

Frick, C. 1921 A, 322, 386, pl. xlvi; fold. ii, figs. 1, 2; text-figs. 35-37 (P. francescana).
Hay, O. P. 1927 D, 163.
Stock, C. 1925 A, 21.
Pliocene (San Timoteo); California.

Pliohippus francescanus minor Frick.

Frick, C. 1921 A, 330, 386, fold. ii, figs. 3, 4; text-figs. 38-41 (P. francescana m.).
Hay, O. P. 1927 D, 163.
Stock, C. 1925 A, 21.
Pliocene (San Timoteo); California.

Pliohippus interpolatus (Cope).

Hay, O. P. 1902 A, 619 (Hippidion).
Boule and Thevenin 1920 A, 115 (Hippidium).
Cummins, W. F. 1893 A, 203 (Hippidium).
Dumble, E. T. 1894 A, 559 (Hippidium).
Frick, C. 1921 A, 333.
Gidley, J. W. 1903 C, 630 (Hippidium).
1907 A, 875, 917.
Lull, R. S. 1913 A, 3.
Matthew, W. D. 1909 C, 117 (Protohippus).
1918 A, 214.
Merriam, Stock, Moody 1925 A, 71.
Montgomery, T. H. 1904 A, 58 (Hippidium).
Osborn, H. F. 1918 A, 26, 147, 158, pl. xxiv, fig. 6; pl. xxv, fig. 13; text-fig. 126.
Trouessart, E. L. 1905 A, 639.
Upper Miocene or Lower Pliocene (Clarendon); Texas.

Pliohippus leidyanus Osborn.

Osborn, H. F. 1918 A, 28, 147, 162; pl. xxviii, figs. 3, 29; pl. xxx, figs. 1, 2; text-fig. 129.
Abel, O. 1926 B, 369, 397, 423, figs. 253, 257, 269.
1928 B, 33, 43, 58, figs. 12, 20, 25, 31.
Loomis, F. B. 1926 A, 142, pl. xiii; figs. 25, 31.
Matthew, W. D. 1918 A, 186 (No description).
1923 A, 12.
1923 E, 131.
1924 C, 67, 166, 170.
O'Harra, C. C. 1920 A, 159.
Osborn, H. F. 1927 A.
1928 B, 194.
Lower Pliocene (Upper Snake Creek); Nebraska.

Pliohippus lullianus Troxell.

Troxell, E. L. 1916 A, 335, 336, figs. 1-7.
Abel, O. 1926 B, 403, 405.
1926 H, (160).
1928 B, 35, 52, 56, figs. 15, 29.
Freudenberg, W. 1922 A, 10.
Gregory, W. K. 1920 B, 269, pl. xviii.
Loomis, F. B. 1926 A, 143, fig. 30.
Matthew, W. D. 1918 A, 214.
1924 C, 166, 171.
O'Harra, C. C. 1920 A, 105, 159, fig. 44.
Osborn, H. F. 1918 A, 25, 26, 147, 153, 160, pl. xxvii; text-fig. 127.
Weber and Abel 1928 A, 678, fig. 465.
Upper Miocene or Lower Pliocene (Oak Creek); South Dakota.

Pliohippus mirabilis (Leidy).

Hay, O. P. 1902 A, 617 (Merychippus).
Ameghino, F. 1904 A, 536, figs. 299, 305, 357, 358 (Protohippus).
Cook, H. J. 1922 B, 10 (Merychippus. This species?).
Dall and Harris 1892 A, 316 (Merychippus).
Gidley, J. W. 1903 C, 634 (Protohippus).
1906 C, 142 (Protohippus).
1907 A, 872, 883.
Loomis, F. B. 1926 A, 130.
Major, C. J. F. 1877 A, 5, 10 (Merychippus).
Matthew, W. D. 1901 B, 359.
1909 C, 117 (Protohippus).
1918 A, 186, 214.
1923 A, 12 (This species?).
1924 C, 67, 171.
Merriam, J. C. 1915 D, 54 (This species?).
1917 A, 430, 436 (This species?).
1919 A, 506, 525, 527, 567, fig. 180 (This species?).
Merrill, G. P. 1907 A, 46, 47 (Merychippus).
Osborn, H. F. 1918 A, 25, 28, 147, 148, pl. xxv, fig. 10; pl. xxvi, fig. 37; text-fig. 117.
Pavlow, M. W. 1925 A, 325 (Merychippus).
Sinclair, W. J. 1915 A, 77 (This species?).
Trouessart, E. L. 1905 A, 639 (Merychippus).
Zittel and Schlosser 1911 A, 461, fig. 644 (Merychippus).
Upper Miocene or Lower Pliocene (Niobrara River); Nebraska: (Snake Creek); Nebraska: Pliocene (Ricardo); California.

Pliohippus nobilis Osborn.

Osborn, H. F. 1918 A, 28, 147, 160, pl. xxvi, fig. 4; pl. xxviii, fig. 4; text-fig. 128.
Abel, O. 1928 B, 54, 58, fig. 32.

Loomis, F. B. 1926 A, 143.
Matthew, W. D. 1924 C, 67 (This species?).
Lower Pliocene (Republican River); Kansas.

Pliohippus osborni Frick.

Frick, C. 1921 A, 332, 383, figs. 103-110, with subform A; 393-395, figs. 127-131 (This species?).
1926 C, 441.
Stock, C. 1925 A, 21.
Pliocene (Eden); California.

Pliohippus pernix Marsh.

Hay, O. P. 1902 A, 618.
Abel, O. 1912 F, 234, fig. 162 (Protohippus).
1913 B, 754, fig. 102.
1914 A, 136, fig. 94 (Protohippus).
1914 D, 26, fig. 1 (Protohippus).
1922 C, 274, fig. 231.
Gidley, J. W. 1906 C, 144 (Protohippus).
1907 A, 873, 892.
Loomis, F. B. 1926 A, 130.
Lull, R. S. 1907 A, 178, fig. 13.
1913 A, 7.
1917 B, 617, fig. 222.
Marsh, O. C. 1874 E, 291.
Matthew, W. D. 1909 C, 117 (Protohippus).
1924 C, 166, 170, 171.
O'Harra, C. C. 1920 A, 159 (Protohippus).
Osborn, H. F. 1918 A, 25, 147, 151, pl. xxv, fig. 12; pl. xxviii, fig. 1; text-figs. 120, 121, 122.
Trouessart, E. L. 1905 A, 638.
Upper Miocene or Lower Pliocene (Little White River); South Dakota: (Upper Snake Creek); Nebraska.

Pliohippus robustus Marsh.

Hay, O. P. 1902 A, 618.
Gidley, J. W. 1907 A, 694, 873.
Lull, R. S. 1907 A, 178.
1913 A, 7.
Matthew, W. D. 1909 C, 117 (Protohippus).
O'Harra, C. C. 1920 A, 159.
Osborn, H. F. 1918 A, 25, 147, 155, text-fig. 123.
Upper Miocene or Lower Pliocene (Arikaree); Nebraska.

Pliohippus spectans (Cope).

Hay, O. P. 1902 A, 619 (Hippidion).
Boule and Thevenin 1920 A, 115 (Hippidium).
Cope and Matthew 1915 A, pl. cxlviiia, figs. 9-11 (Hippidium, Pliohippus).
Cummins, W. F. 1893 A, 203 (Hippidium).
Frick, C. 1921 A, 288.
Gidley, J. W. 1903 C, 630 (Hippidion. This species?).
1907 A, 873, 898.
Matthew, W. D. 1909 C, 117 (Protohippus. This species?).
1918 A, 214.
Merriam, J. C. 1917 A, 428.
Merriam and Sinclair 1907 A, 195.
Merriam, Stock, Moody 1925 A, 59, 71, figs. 26-30.
Osborn, H. F. 1918 A, 28, 30, 147, 164, pl. xxviii, fig. 2; text-fig. 132.
Stock, C. 1925 A, 18.
Trouessart, E. L. 1905 A, 639.
Lower Pliocene (Rattlesnake?); Oregon: Upper Miocene (Goodnight); Texas.

Pliohippus supremus (Leidy).

Hay, O. P. 1902 A, 618 (Merychippus).
Abel, O. 1926 B, 423, fig. 269.
Gidley, J. W. 1906 C, 143, figs. 8, 9 (Protohippus).
1907 A, 873, 889.
Haug, E. 1911 A, 1705.
Loomis, F. B. 1926 A, 130.
Matthew, W. D. 1909 C, 117 (Protohippus).
1924 C, 67, 170.
Merriam, J. C. 1911 B, 230.
Merriam and Stock 1928 A, 8.
O'Harra, C. C. 1920 A, 159 (Protohippus).
Osborn, H. F. 1909 D, 81.
1918 A, 25, 30, 147, 150, pl. xxv, fig. 11; pl. xxvi, fig. 2; pl. xxxi, figs. 3, 4; text-figs. 118, 119.
Trouessart, E. L. 1905 A, 638 (Syn. of Merychippus mirabilis).
Lower Pliocene (Upper Snake Creek); Nebraska.

Pliohippus tantalus Merriam.

Merriam, J. C. 1913 H, 440, figs. 4*a*, 4*b* (This genus?).
1915 D, 54.
1916 B, 530.
1917 A, 430.
1919 A, 506, 525, 527, 561, figs. 179-182, 189.
Osborn, H. F. 1918 A, 29, 147, 162, text-fig. 130.
Lower Pliocene (Ricardo); California.

Pliohippus sp. indet.

Anonymous 1916 B, 476. Pliocene; Nebraska.
Arnold and Anderson 1910 A, 98, 110, 300, pl. xxxiii, fig. 3. Upper Miocene (Jacalitos); California.
Barbour and Cook 1917 A, 172. Pliocene (Devil's Gulch); Nebraska.
Clark, B. L. 1921 A, table. Pliocene (Siestan, Etchegoin); California.
Cook, H. J. 1912 D, 44. Pliocene (Snake Creek); Nebraska.
1922 B, 11. Pliocene (Snake Creek); Nebraska, Colorado.
Frick, C. 1921 A, 391, 401, figs. 126, 152-157 (This genus?). Pliocene (Eden); California.
Gidley, J. W. 1922 B, 120, 121. Pliocene? (San Pedro Valley); Arizona.
Hay, O. P. 1927 D, 301, 311 (This genus?). Pleistocene?; Arizona, California, Oregon, Washington.
Matthew, W. D. 1921 G, 661. Pliocene (Snake Creek); Nebraska.
1924 C, 171 (P. sp. max.). Pliocene (Upper Snake Creek); Nebraska.
Matthew and Cook 1909 A, 388, fig. 12. Pliocene (Snake Creek); Nebraska.
Merriam, J. C. 1911 B, 265, figs. 31, 35 (This genus?). Pliocene (Thousand Creek); Nevada.
1915 E, 217, 222, 223, figs. 28, 30, 33-37 (Equus or Pliohippus). Pliocene? (Etchegoin); California.

Merriam, J. C. 1917 A, 425 (This genus?). Pliocene? (Etchegoin); California; 426. Pliocene (Chanac) California; 436, Pliocene (Snake Creek); Nebraska.
1919 A, 569, figs. 193-210. Pliocene (Ricardo); California.
Merriam and Buwalda 1917 A, 258. Miocene (Ellenberg); California.
Merriam and Sinclair 1907 A, 196. Miocene (Mascall); Oregon.
Merriam and Stock 1928 A, 8, text-fig. 3. Pliocene (Thousand Creek); Nevada.
Merriam, Stock, Moody 1925 A, 54. Pliocene (Rattlesnake); Oregon.
Nomland, J. O. 1916 A, 83 (Equus or Pliohippus). Pliocene (Etchegoin); California.
Osborn, H. F. 1918 A, 19. Upper Miocene (Pawnee Creek); Colorado.
Sinclair, W. J. 1915 A, 77. Pliocene (Snake Creek); Nebraska.
Stock, C. 1921 A, 257, figs. 2-6 (This genus?). Pliocene? (Panaca); Nevada.

Plesippus Matthew. Type *Equus simplicidens* Cope.

Matthew, W. D. 1924 D, 2.
Abel, O. 1926 B, 396, 433.
1926 H, (160).
1928 B, 20, 57, 78.
Loomis, F. B. 1926 A, 146.
Matthew, W. D. 1924 G, 629 ("horse intermediate").
1925 B, 222.
1926 C, 150, 160, 167.
1928 B, 979, fig. 15.
Thorpe, M. R. 1927 A, 168.

Plesippus proversus Merriam.

Merriam, J. C. 1916 B, 525, figs. 1-13 (Pliohippus).
Abel, O. 1926 B, 433 (Pliohippus).
Clark, B. L. 1921 A, table (Pliohippus).
Frick, C. 1921 A, 289, 309, 328 (Pliohippus).
Loomis, F. B. 1926 A, 147, fig. 31 (Plesippus).
Matthew, W. D. 1924 C, 166 (Pliohippus).
Merriam, J. C. 1915 D, 56, figs. 9-12 (Equus or Pliohippus sp.).
1915 E, 224, figs. 33, 34 (Equus or Pliohippus sp.).
1917 A, 425 (Pliohippus).
Osborn, H. F. 1918 A, 24, 31, 32, 33, 147, 170, text-figs. 137, 138 (Pliohippus).
Upper or Middle Pliocene (Etchegoin); California.

Plesippus simplicidens (Cope).

Hay, O. P. 1902 A, 618 (Pliohippus).
Abel, O. 1926 B, 433.
1928 B, 54, figs. 34, 35 (Plesippus).
Boule and Thevenin 1920 A, 141 (Equus).
Cummins, W. F. 1893 A, 203 (Equus. This species?).
Dumble, E. T. 1894 A, 559 (Equus).
Frick, C. 1921 A, 288, 328, 332 (Pliohippus).
Gidley, J. W. 1901 A, 107, 123, 149, text-fig. 13 (Pliohippus).
1903 C, 627 (Pliohippus).
1907 A, 875, 911 (Pliohippus).
Loomis, F. B. 1926 A, 147, fig. 31.
Matthew, W. D. 1909 C, 120 (Pliohippus).
1924 D, 2 (Plesippus).
1925 B, 222 (Equus).
1926 C, 162, figs. 19, 20, 21.
Merriam, J. C. 1915 D, 56 (Equus).
1915 E, 230 (Equus).
1916 B, 526, figs. 14, 17 [E. (Pliohippus)].
1917 A, 435 (Pliohippus).
Montgomery, T. H. 1904 A, 58 (Pliohippus).
Osborn, H. F. 1915 B, 220, fig. 8 (Pliohippus).
1918 A, 30, 147, 167, pl. xxiv, fig. 5; pl. xxviii, fig. 5; text-fig. 134 (Pliohippus).
Trouessart, E. L. 1905 A, 639 (Pliohippus).
Upper Pliocene (Blanco); Texas.

Equus Linnæus. Type *E. caballus* Linnæus.

Hay, O. P. 1902 A, 621.
Abel, O. 1902 A, 170.
1909 D, (224).
1909 E, (246).
1912 F, 235, 504, 629, 671, fig. 164.
1913 B, 754*a* (Neohippus).
1914 A, 247 (Equus); 248 (Neohippus).
1914 D, 25.
1919 A, 865, fig. 662.
1920 A, 449, fig. 686*g* (Protohippus pernix).
1922 C, 32, 114, figs. 31-35, 106.
1926 B, 396, 430, 434, 436, 444.
1926 D, 64 ("pferde").
1926 H, (163) (Equus, Neohippus).
1928 B, 23, 53, 59, 61, 73, figs. 4, 6, 10, 14, 30 (Equus); 61, fig. 37 (Neohippus).
Adams, C. C. 1905 A, 54 ("horses").
Adloff, P. 1916 A, 598, figs. 6-8.
Agassiz, L. 1859 B, 186 ("horses").
Altmann, F. 1925 A, 109.
Ameghino, F. 1885 A, 203.
1889 A, 1012.
Ameghino, F. 1904 A, 530.
1904 C, 37.
1905 A, 28.
1905 C, 433, figs. 82, 84.
Anderson, R. J. 1905 A, 332.
1914 A, 534.
Anonymous 1908 B, 117 ("horses").
Anthony, R. 1912 A ("cheval").
1913 A, 266 ("cheval").
Antonius, O. 1912 A, (64).
1913 A, 244.
1913 B, 235.
1918 A.
1919 A, 274, 288.
1922 A, 133 ("pferde").
1923 A (32).
Arldt, T. 1907 D, 653.
1909 C, 458.
Arloing, S. 1867 A, 55 ("cheval").
Aureggio, —— 1914 A, 338 ("cheval").
Baird, S. F. 1876 A, 357 ("horse").
Baker, F. C. 1920 A, 458.

Bardenfleth, K. S. 1913 A, 92.
Baum, H. 1920 A, 19, figs. 3, 4, 7, 8, 10 ("pferd").
Beasley, W. L. 1903 A, 451 ("horse").
Beddard, F. E. 1902 A, 239.
Berry, E. W. 1922 A, 110 ("horses").
Bertelli, D. 1909 A, 162, figs. 5, 18.
Berthoud, E. L. 1881 A, 414 ("horse").
Beyer, H. 1908 A, 81, 98, fig. 23 ("pferd").
Black, D. 1915 A, 350, fig. 16.
Black, N. 1900 A, 13 ("horse").
Boas, J. E. V. 1884 B, 393 ("pferde").
1914 B, 596, figs. 43, 44, 45.
Bojanus, L. H. 1824 C, 697, pl. lviii, fig. 1.
Boule, M. 1910 A, 1.
1923 A, 494 ("horse").
Boule and Thevenin 1920 A, 86, 120, text-figs. 41, 43, 46, 47-49, 51-53.
Bradley, O. C. 1903 A, 112 ("horse").
1904 A, 9 ("horse").
1905 C, 244, figs. 1, 2.
1906 A, 542 ("horse").
1906 B, 530 ("horse").
1907 A, 46.
1908 A, 485 ("horse").
Brandt and Woldrich 1887 A, 115.
Brinkmann, A. 1922 A, 1-33, pls. i-iii.
Broili, F. 1917 A, 567, fig. 7 ("pferd").
Bronn, H. G. 1848 A, 465.
1849 A, 707.
Bugnion, E. 1901 A, 95, fig. 1 ("cheval").
Burmeister, F. 1879 B, 476.
Calvin, S. 1897 A, 21 ("horses").
1910 A, xii ("horses").
Camerano, L. 1916 B, 7, pl. iv, fig. 10 ("cavallo").
Cardoso, A. 1912 A.
Case, E. C. 1899 B, 165.
Cleland, J. 1863 B, 299 ("horse").
Colyer, J. F. 1905 A, 42 ("horses").
Cook, H. J. 1927 C, 241, 245 ("Equus").
Cope, E. D. 1880 U, 158.
1895 G, 596.
Coyle, R. F. 1909 A, 584 ("horse").
Cummins, W. F. 1892 A, 149 ("horse").
1893 A, 203.
Cunningham, J. T. 1904 A, 777 ("horses").
1906 A, 323 ("horse").
Cuvier, F. 1825 A, 224, pl. xcii ("cheval").
Cuvier, G. 1805 A.
1825 A, II, 99-113, pls. i-iii ("cheval").
Dall and Harris 1892 A, 283.
Dana, J. D. 1863 C, 336 ("horse").
De Stefani, C. 1921 A, 256.
Depéret, C. 1905 B, 23 ("cheval").
Diener, C. 1909 A, 56.
1912 A, 218.
Dietrich, K. 1841 A, 85.
Dollo, L. 1896 A, 88.
1922 A, 216 ("cheval").
Doran, A. H. G. 1878 A, 420, pl. lxi.
Eberlein, R. 1910 A, 72, pls. i-v.
Eggeling, H. 1904 A, 99.
Eichwald, E. 1832 A, 866 ("pferde").
1835 A, 680.
Eimer, G. H. T. 1901 A, 257.
Eisler, P. 1895 A, 54 ("pferde").
Ellenberger and Baum 1903 A ("pferde").
Emmons, E. 1852 A, 96 ("horse").
Engelmann, O. 1910 A, 486 ("pferd").
Ewart, J. C. 1904 A, 590, figs. 1-5.
1907 A, 555, seq.
1909 A, 219.
Fairchild, H. L. 1894 A, 209.
Falconer and Murchison 1867 A, 104-112.
Fejérváry, G. J. de 1921 B, 183.
Felix and Lenk 1891 A, 134.
Filhol, H. 1889 A, 221 ("cheval").
Fischer, J. B. 1829 A, 429.
Floderus, M. 1910 A, 79 ("hästar").
Flower, W. H. 1892 A.
Foote, J. S. 1916 A, 108, 127, pls. xii, xvi.
1921 A, 9, pl. ii, figs. 20, 21.
Fraas, E. 1913 D, lxiii ("pferde").
Frassetto, F. 1903 A, 183.
Frech, F. 1907 A, 316 ("pferde").
Frech and Geinitz 1903 A, 34.
Freudenberg, W. 1922 A, 4.
Freund, L. 1906 A, 115.
1911 A, 386.
1912 A, 557 ("pferde").
Frey, H. 1911 A, 416.
Fürbringer, M. 1902 A, 202 ("pferd").
Gadow, H. 1914 A, 504 ("horse").
Garman, S. 1884 E, 252 ("horses").
Garner, R. 1870 A, 121 ("horse").
Gaudry, A. 1891 C, 50, figs. 16-18.
1906 A, 26, fig. 42 ("cheval").
Gaupp, E. 1905 D, 1037 ("pferd").
1908 A, 184.
1908 C, 683, 745.
1912 B, 219.
Gegenbaur, C. 1880 A, 594 ("pferde").
Geikie, J. 1914 A, 323 ("horse").
Geinitz, E. 1903 A.
1904 A.
Geoffroy St. Hilaire, E. F. 1832 A, 354 ("cheval").
Geoffroy St. Hilaire, I. 1835 A, 97.
Gervais, P. 1852 A, 64, 67.
1853 B, 35 ("cheval").
1855 A, 33.
1859 A, 77.
Gidley, J. W. 1901 A, 91.
1907 A, 869.
1912 C, 19 ("horses").
1913, in Matson and Sanford 1913 A, 143.
Giebel, C. G. 1855 A, 63, pl. xxvi.
1883 A, pls. xxx, lvii, lxix, lxxv, lxxxiv, lxxxviii.
Gordon, C. H. 1913 A, 31, 64.
Gottlieb, H. 1914 A, 200 ("pferd").
Graves, R. J. 1831 A, 85 ("horse").
Gregory, W. K. 1908 A, 117, 5 figs.
1912 F, 275, 285, 288, figs. 1, 6, 7.
1917 D, 624, 633, fig. 1 ("horse").
1920 B, 269, pl. xviii; text-figs. 9, 13.
1927 I, 557.
1927 J, 444, figs. 1, 2, 4, 5.
Hasse and Schwarck 1870 A, 129.
Haug, E. 1911 A, 1886.
Haworth, E. 1897 A, 280 ("horses").
Hay, O. P. 1909 G, 890.
1910 D, 371.

Hay, O. P. 1912 B, 10, 13, fig. 8.
1912 D, 581, text-figs. 30-33*a*.
1914 A, 151, text-fig. 48.
1919 A, 311 ("horses").
1919 D, 368, 374.
1923 A, 484.
1924 D, 377.
1925 D, 239.
1926 E, 388.
1928 B, 238 ("horses").
Heilprin, A. 1887 A, 369-371.
Hensel, R. 1879 A, 535.
Hescheler, K. 1906 A, 29 ("pferd").
Hilzheimer, M. 1912 A, 105.
Hinze, R. 1910 A, 374.
Hoernes, R. 1886 A, 671.
Hoever, R. 1911 A, 90 ("pferde").
Holmes, F. S. 1870 A, 17 ("horse").
Hrdlička, A. 1903 A, 379.
Hue, E. 1907 A, pls. lv, lxxviii, lxxxvi, ci, cxv, cxxviii, cxxxix, clii, clxvi, clxxix.
Humphry, G. M. 1870 B, 72, fig. 5 ("horse").
Hutchinson, H. N. 1910 A, 245, fig. 90.
Huxley, T. H. 1863 F, 580 ("horse").
1870 F, 533, 542.
1876 D, 200.
1876 F, 183 ("horse").
1877 A, 42.
1880 E, 459.
Ingebrigtsen, O. 1924 A, 96.
Jacobi, A. 1921 A, 200, 211 ("pferde").
Jaekel, O. 1902 E, 1114.
Jaworski, Z. 1924 A, 525.
Joly, G. 1898 A, 1579 ("cheval").
Kampfen, P. N. 1905 A, 576, 580, figs. 63, 66.
Kennedy, W. 1893 A, 67 ("horse").
Keuchenius, P. E. 1913 A, 448.
Kingsbury, B. F. 1926 A, 102 ("horse").
Kingsley, J. S. 1925 A, 201, 298, figs. 209, 321.
Klaauw, C. J. 1924 B, 600.
Klatt, B. 1912 A, 163 ("pferde").
Köstlin, O. 1884 A.
Kraglievich, L. 1926 C, 70.
Laloy, L. 1907 A, 585 ("cheval").
Lankester, E. R. 1905 A, 134, figs. 91, 98.
1908 A, 333 ("horse").
Larger, R. 1913 A, 701 ("cheval").
Leche, W. 1887 A, pls. xciv, xcv.
1900 A, 1035 ("pferd").
LeDamany, P. 1902 A, 335 ("cheval").
1902 B, 371 ("cheval").
1903 G, 155 ("cheval").
1906 B, 164 ("cheval").
Lee, Stone, Gale 1915 A, 10.
Leunis and Ludwig 1883 A, 269.
Lindgren, W. 1911 A, 52.
Lobley, J. L. 1908 A, 212.
Loomis, F. B. 1926 A, 18, 59, 147-150, figs. 1-5, 7-12.
Lubosch, W. 1914 A, 425.
1923 A, 71, figs. 15-17 ("pferd").
1926 A, 111 ("pferde").
Lull, R. S. 1907 A, 182, figs. 4, 6.
1913 A, 12.
1917 B, 301, 607, 611, figs. 210, 211.
Lydekker, R. 1894 B, 34.
1903 D, 123 ("horse").
Lydekker, R. 1904 A, 16.
1904 D, 171.
1906 A, 473, fig. 1 ("horse").
1907 A, 2.
1912 A.
Mackenzie, W. 1911 A, 363.
Magitot, E. 1875 A, 80 ("cheval").
Major, C. J. F. 1877 A.
1880 A.
Mannu, A. 1923 A, 162, figs. 1-5 ("pferd").
Marchlewski, M. T. 1924 A, 501.
Marsh, O. C. 1874 E, 288, fig. 75.
Martins, C. 1857 A, 70 ("cheval").
Matthew, W. D. 1902 G, 9, pl. ("horse").
1903 A, 23, pl. v.
1908 I, 117 ("horses").
1910 G, 154.
1913 F, 21, 25, 37, figs. 1-3, 13-15, 16-21, 24-38.
1914 G, 234.
1915 A, 187, 236, 314.
1915 K, 403, 410, 418, 453.
1916 J, 2, figs.
1917 A, 575.
1920 C, 475.
1924 B, 630.
1924 C, 168.
1924 D, 2.
1924 E, 748, 751, 753.
1924 G, 630.
1926 B, 5, 6.
1926 C, figs. 1-6, 8, 25-27.
1928 B, 979, fig. 15.
Matthew and Cook 1909 A, 367.
Meckel, J. F. 1823 A, 4 ("pferd").
1825 A ("pferd").
Menmuir, W. H. 1902 A, 275 ("horse").
Merriam, J. C. 1906 D, 249.
1910 C, 45, 50 ("horses").
1911 B, 215, 217.
1915 F, 261.
1915 G, 100.
1916 B, 525.
1917 A.
Middleton, J. 1844 A, 286 ("horse").
Miller, L. H. 1912 A, 74.
Mivart, St. G. 1878 B, 283, fig. 7 ("horse").
1888 A, 378 ("horse").
Montgomery, T. H. 1901 A, 21733 ("horse").
Moodie, R. L. 1923 B, 232, fig. 19.
Nehring, A. 1880 A.
1882 A, 31.
1884 A, 81-160.
Noack, T. 1902 A, 135 ("pferde").
1902 B, 164.
1903 A, 370.
1909 A, 782.
Noordenbos, W. 1905 B, 403 ("pferd").
Ohm,—— 1908 A, 356 ("pferde").
Osborn, H. F. 1904 R, 11.
1905 H, 225.
1905 I, 91, 107.
1905 J, 282.
1905 K, 608.
1906 E ("arab horse").
1907 G, 176, figs. 163, 164.
1909 D, 65, 125.

Osborn, H. F. 1910 A, 213.
1910 B, 614.
1912 A, 37.
1912 G, 250, 251.
1912 L, 177, 187, figs. 4-8.
1915 B, 212, fig. 5.
1916 B, 538.
1917 B, 314 ("horse").
1918 A, 4, 24, 33.
1926 A, 188.
1926 C, 341.
Owen, R. 1845 B, 572, pl. cxxxvi, figs. 1-11; pl. cxxxvii.
1848 B, pl. ii, fig. 19.
1868 A, 879, figs. 280-285.
1869 E, 536, pls. lvii-lx; text-figs. 4, 6.
Palacký, J. 1903 B, 318.
Palmer, T. S. 1904 A, 268, 937.
Pavlow, M. 1906 A, 200.
1925 A, 313, seq.
Perna, G. 1906 A, 122, pl. vi, figs. 19, 21.
Petronievics, B. 1921 A, 102, 195.
Pilgrim, G. E. 1913 A, 273.
Pocock, R. I. 1902 A, 304.
1906 A, 377 ("horse").
Pouchet and Chabry 1884 A, 163 ("cheval").
Preiswerk, G. 1895 A, 436, fig. 5.
Pugh, D. 1904 A, 3 ("horse").
Reche, O. 1905 A.
Regnault, F. 1903 A, 108, 110 ("cheval").
Rehs, J. 1914 A, 46.
Reichenau, W. 1915 A.
Reichert, K. B. 1849 A, 474 ("pferde").
Reinhardt, R. 1908 A, figs. 1-13 ("pferde").
Retterer, E. 1884 A, 497 ("cheval").
1908 B, 536 ("cheval").
1919 C, 620 ("cheval").
1919 E, 1223 ("cheval").
Retterer and Lelièvre 1910 B, 986 ("cheval").
Retzius, A. 1837 A, 491, pl. xxii, fig. 3.
1849 A, 662.
Reynolds, S. H. 1897 A, 430, 471, 501, 507, 524, figs. 82, 110.
Ridgeway, W. 1902 A, 187.
Rogenhofer, A. 1908 A, (42).
Rosenberg, A. 1873 A, 132 ("pferd").
Roth, S. 1908 A, 141.
Rudolf, G. de M. 1922 A, 140, figs. 5-7.
Rutten, L. M. R. 1909 A, 51.
Sanson, A. 1868 A, 225, figs. 1-10.
Scharff, R. F. 1911 A, 80, 81, 146.
Schlesinger, G. 1914 A, 211, figs. 1, 7, 8.
Schlosser, M. 1897 B, 18 ("pferd").
1900 C, 134 ("pferd").
1902 J, 208.
1903 I, 85, 182.
Schmidt, O. 1886 A, 209, 213, figs. 37, 38.
Schuchert, C. 1910 A, 599.
Schuchert and Levene 1927 A, 343, 347.
Schumann, A. 1904 A, 283.
Schwarz, E. 1912 A.
1922 A, 150.
1922 B, 132 ("pferde").
Scott, W. B. 1896 D, 48, 53 ("horse").
1913 A, 295, 305, 680, fig. 154.
1917 A, 176.
1924 A, 438 ("horses").
Seeley, H. G. 1876 C, 158 ("horse").
1878 A, 224.
Sefve, I. 1910 A.
1912 A, 137.
1913 A, 363, 366.
1927 A, 78.
Sellards, E. H. 1915 C, 8.
Shimek, B. 1908 A, 923.
Shufeldt, R. W. 1889 D, 12.
Shumard, B. F. 1863 A, 141.
Sisson, S. 1910 A, 31, figs. 5-7 ("horse").
Skoda, K. 1912 A, 417-434, 5 text-figs. ("pferde").
Smith and Packard 1919 A, 102, 104 ("horses").
Soergel, W. 1911 A, 740.
Spencer, J. W. 1898 A, 28 ("horse").
Steele, L. L. 1906 A, 290, figs. 1, 2.
Stehlin, H. G. 1905 A, 569, figs. 47, 51.
Steinmann, G. 1907 A, 491.
Stejneger, L. 1907 A, 469.
Stratz-Haag, C. H. 1906 A, 91 ("pferde").
Strecker, C. 1887 A, 315.
Stremme, A. 1911 A, 88.
Taschenberg, O. 1899 A, 4546.
Taylor, W. P. 1917 A, 272.
Terra, P. 1911 A, 309, figs.
Thorpe, M. R. 1927 A, 168.
Tichomirow, A. 1902 A, 344.
Tornier, G. 1888 A, 300 ("pferde").
Tourneux, F. and J. P. 1912 A, 82, figs. 17, 18 ("cheval").
Trouessart, E. L. 1892 A, 188.
1905 A, 642.
1913 A, 725.
Turner, H. N. 1850 B, 105 ("horse").
Underhill, B. M. 1907 A, 117, 121, fig. 1.
1910 A, 79.
Upham, W. 1902 A, 149 ("horse").
1903 C, 22679 ("horse").
Van de Pas, L. 1909 A, 149.
Veith, A. 1912 A, 1.
Villada, M. M. 1903 A, 441, 444.
Virchow, H. 1907 A, 49 ("zebra").
1910 F, 266, fig. 2 ("pferd").
Wagner, R. 1843 A.
Wallace, A. R. 1876 A, I, 493.
Wallisch, W. 1906 A, 310 ("pferd").
Weber, M. 1904 A, 613.
Weber and Abel 1928 A, 415, 633, 638, 654, 682, figs. 258, 429, 430, 435, 438.
Weber and Burlet 1927 A, figs. 49, 73, 114, 190.
Wilder, B. 1865 A, 53 ("horse").
1872 B, 320.
Williston, S. W. 1905 F, 346.
Wilson, T. 1901 A, 311 ("cheval").
Winchell, N. H. 1903 A, 152.
1917 A, 133, 134.
Wincza, H. 1890 A, 650, pl. xxiv ("pferd").
Woodward, A. S. 1898 D, 333.
Wright, G. F. 1911 A, 282 ("horse").
1911 B, 436, 438, 690 ("horse").
Wright, R. R. 1883 A, 251.
Wüst, E. 1901 A, 281.
Ziegler, H. E. 1924 A, lx ("pferd").
Zietzschmann, O. 1915 A, 371, pls. xvi, xvii.
1917 A, 440, pl. xxv.
Zittel, K. A. 1897 A, 126 ("pferde").

Zittel and Schlosser 1911 A, 462.
1923 A 541, 549, 550, 680, 681, figs. 670, 671, 684.

Equus barcenæi Cope.

Cope, E. D. 1884 G, 10, 15.
Hay, O. P. 1902 A, 624 (E. tau, in part).
Felix and Lenk 1891 A, 136, pl. xxx, fig. 6.
Freudenberg, W. 1921 A, 139 (Syn. of E. tau).
Hay, O. P. 1924 D, 4, 131, 132.
Rath, G. 1886 A, 106.
Trouessart, E. L. 1905 A, 643 (Syn. of E. tau).
Villada, M. M. 1903 A, 446 (E. barcenæi).
Pleistocene; Mexico.

Equus bautistensis Frick.

Frick, C. 1921 A, 302, pl. xlv, fold. i, figs. 1-3; text-figs. 19-25.
Hay, O. P. 1925 D, 241 (E. baudistensis).
1927 D, 68, 162.
Stock, C. 1925 A, 119.
Pleistocene (Bautista); California.

Equus caballus Linnæus.

Hay, O. P. 1902 A, 622.
Anderson, R. J. 1909 A, 745.
Chubb, S. H. 1912 A, 114, figs. 1, 2.
Duerst, J. U. 1908 A, 384.
Ewart, J. C. 1904 A, 591 (E. c. prjevalskii); 592 (E. c. celticus); 595 (E. c. typicus).
Gidley, J. W. 1900 A, 111, figs. 4, 5.
1901 A, 98, seq., pl. xix, fig. C; text-figs. 4, 5, 6, 26.
1903 B, 474, 476.
Gray, J. E. 1869 A, 263.
Hay, O. P. 1914 A, 152, 185, 186, 193, 194, text-figs. 43, 45-47.
1915 A, 528, 531, 550, 559, 566.
Leidy, J. 1880 A, 348.
1880 B, 257.
Lull, R. S. 1907 A, 181, fig. 16.
Lydekker, R. 1912 A, figs.
Matthew, W. D. 1914 F, 661.
Merriam, J. C. 1913 F, 402, 412.
Nehring, A. 1883 A, 31.
1884 A, 81, seq.
Osborn, H. F. 1902 A, 84, fig. 3.
1907 C, 259, figs. 1-3.
1910 B, 614.
Schwarz, E. 1922 D.
Scott, W. B. 1913 A, 199.
Sellards, E. H. 1915 D, 77 (This species?).
Stejneger, L. 1907 A, 470.
Troxell, E. L. 1915 A, 617, fig. 3.
Tscherski, J. D. 1892 A, 94, seq.
Williston, S. W. 1910 G, 595.
Equus caballus has not been certainly identified as a fossil in North America.

Equus calobatus Troxell.

Troxell, E. L. 1915 A, 615, 619, figs. 3, 4, 5 [E. (Asinus)].
Abel, O. 1926 B, 433 (Syn.? of E. semiplicatus).
Antonius, O. 1919 A, 280 (Syn.? of E. semplicatus).
1923 A, (32).
Freudenberg, W. 1922 A, 5 (Asinus).
Hay, O. P. 1924 D, 124, 239.
1928 C, 425, 426.
Joleaud, L. 1920 C, 92.
Zittel and Schlosser 1923 A, 549.
Pleistocene (Sheridan); Texas, Mexico.

Equus complicatus Leidy.

Hay, O. P. 1902 A, 622.
Abel, O. 1919 A, 864 (Neohippus).
Allen, G. M. 1926 A, 453.
Antonius, O. 1919 A, 279 [E. (Neohippus)].
Bain, H. F. 1896 A, 277 (E. major).
Baker, F. C. 1920 A, 458 (E. complicatus, E. major).
Boule and Thevenin 1920 A, 142.
Broadhead, G. C. 1874 A, 157 ("extinct horse").
Cahn, A. R. 1922 A, 23.
Calvin, S. 1909 A, 137.
1909 B, 342, 347, 355, pls. xix-xxi.
1911 A. 210.
Chamberlin, R. T. 1916 A, 35 ("horse").
Chamberlin, T. C. 1894 A, 759.
1919 A, 316.
Cooper, Smith and Dekay 1831 A, 371 ("horse").
Cope, E. D. 1867 F, 138 ("horse").
1869 M, 250, fig. 55 (E. fraternus).
1878 II, 125 (E. major).
1895 G, 599 (E. major).
Dall, W. H. 1896 A, 854 (E. major).
Dall and Harris 1892 A, 264 (E. major. This species?).
Dawson, J. W. 1894 D, 4 (E. major. This species?).
Deeley, R M. 1913 A, 14, tab. ("Equus").
Deussen, A. 1924 A, 20, 108.
Dumble, E T. 1894 A, 564 (E. major).
Ewart, J. C. 1904 A, 590.
1907 A, 555-587, pls. i-iii.
Falconer, H. 1863 A, 61 (E. americanus); 64 (E. complicatus).
Foster, J. W. 1869 A, 254 (E. americanus).
1873 A, 59 ("horse"); 90 (E. major).
Frech and Geinitz 1903 A, 35, 36 (E. major).
Freudenberg, W. 1921 A, 139.
1922 A, 5, 10, 25 (E. complicatus, E. major).
Frick, C. 1921 A, 289.
Gervais, P. 1859 A, 365 (E. americanus, E. curvidens).
Gidley, J. W. 1901 A, 95, 109, 139, pl. xviii, fig. B; text-figs. 2, 3, 7, 8.
1903 C, 623.
1911 A, 436 (E. complicatus?).
1927 E, 274.
Gilbert, G. K. 1890 A, 394.
Gregory, W. K. 1917 D, 633, fig. 1.
Harris, G. D. 1899 A, 20, 38 (E. major).
Haug, E. 1911 A, 1886.
Haworth and Beede 1897 A, 290 (E. major).
Hay, O. P. 1909 G, 891.
1912 D, 586, text-figs. 34, 35.
1913 B, 584.
1914 A, 26, 157, pl. ix, figs. 5, 6; pl. x, figs. 1-3, 5, 6; pls. xi, xii; pl. xiii, figs. 1, 2; pl. xiv, figs. 1, 2; text-figs. 49-65.
1916 E, 54.
1917 D, 43, pl. ii, fig. 1.

Hay, O. P. 1917 F, 439.
1918 B, 10, seq.
1919 D, 363, 369, 372.
1920 B, 97, 118, pl. vii, fig. 1.
1923 A, 484.
1924 D, 377 (E. complicatus, E. major, E. intermedius).
1925 C, 28.
1926 C, 2.
1926 E, 391 ("horse").
1927 D, 301, 305.
1928 B, 237.
1928 C, 425, 428.
Hayes, S. 1895 B, 40 (E. fraternus).
Hayes and Kennedy 1903 A, 20 ("Equus").
Hilgard, E. W. 1860 A, 196 ("fossil horse." This species?).
Holmes, W. H. 1903 A, 244 ("horse").
Hrdlička, A. 1907 A, 17 ("Equus"); 18 (E. major).
Le Conte, J. 1882 A, 922 (E. major). This species?
1882 B, 3 (E. major).
Lee, W. T. 1907 B, 215.
Leidy, J. 1859 J, 181 ("horse").
Loomis, F. B. 1924 C, 506.
1926 A, 161, fig. 34.
Lucas, F. A. 1902 B, 258.
Lull, R. S. 1921 B, 159 (E. scotti).
Lyell, C. 1845 B, II, 56 ("horse").
McAdams, W. 1883 A, lxxx ("fossil horse." This species?).
McGee, W J 1891 A, 495.
Manigault, G. E. 1887 A, 130 ("fossil horse").
Matson and Clapp 1909 A, 137 (E. major).
Matthew, W. D. 1902 F, 318.
1926 C, 151, fig. 8.
Mercer, H. C. 1894 C ("horse").
1897 A, 444 ("horse").
Merriam, C. H. 1884 A, 47 (E. major. This species?).
Merriam, J. C. 1912 C, 221 (E. americanus).
Murchison, R. I. 1843 B, 132 ("horse").
Osborn, H. F. 1904 R, 12.
1910 B, 456, 478, 484, 485.
1915 B, 220, fig. 8.
Owen, R. 1846 A, 93 ("horse").
Pavlow, M. 1906 A, 201 (E. intermedius).
1925 A, 318 (Neohippus).
Peabody, C. 1908 A, 12 (This species?).
Rhoads, S. N. 1903 A, 237.
Richardson, G. B. 1907 A, 32.
1909 A, 44.
Schmidt, E. 1872 A, 245, 251 (E. major).
Scott, W. B. 1913 A, 200.
Sellards, E. H. 1915 D, 77 (E. caballus); 110, figs. 40-43 (E. complicatus).
1916 B, 105.
1916 C, 149, 158.
1916 D, 617.
1916 E, 16.
1916 F, 9.
Shaler, N. S. 1877 A, 197 ("horse").
Shimek, B. 1902 A, 285 (E. americanus).
1904 A, 305 (E. americanus).
1910 A, 128, 130, 136.
1910 B, 316-322.
Silliman, B. Sr. 1831 A, 372 ("horse").
Soergel, W. 1911 A, 745 (This species?).
Spier, L. 1928 A, 161 ("horse").
Todd, J. E. 1900 A, 100 (E. major).
Trouessart, E. L. 1905 A, 642.
Tuomey, M. 1848 A, 165, 166 ("Equus").
Upham, W. 1895 B, 282.
Usher, W. 1854 A, 349 ("horse").
Veatch, A. C. 1899 A, 245 (E. major); 246 (E. intermedius).
Wilder, F. A. 1900 A, 117 (E. major).
Wilson, T. 1892 A, 629 (E. major).
1901 A, 322 (E. major).
Woolman, L. 1897 A, 208, pl. x.
Zittel and Schlosser 1923 A, 549, 680.

Equus conversidens Owen.

Hay, O. P. 1902 A, 623.
Ameghino, F. 1897 B, 264.
Antonius, O. 1919 A, 280.
Boule and Thevenin 1920 A, 142.
Freudenberg, W. 1921 A, 139.
1922 A, 5.
Gidley, J. W. 1901 A, 107, 118, 139, pl. xxi.
Osborn, H. F. 1905 E, 931.
1910 B, 484.
Trouessart, E. L. 1905 A, 643.
Veith, A. 1912 A, 14.
Pleistocene; Mexico.

Equus crenidens Cope.

Hay, O. P. 1902 A, 623.
Boule and Thevenin 1920 A, 142, 143.
Felix and Lenk 1891 A, 134.
Freudenberg, W. 1921 A, 139.
1922 A, 5.
Gidley, J. W. 1901 A, 107, 122, 138.
Hay, O. P. 1924 D, 377.
Rath, G. 1886 A, 106.
Trouessart, E. L. 1905 A, 643.
Villada, M. M. 1903 A, 444.
Pleistocene; Mexico.

Equus excelsus Leidy.

Hay, O. P. 1902 A, 623.
Baker, F. C. 1920 A, 458.
Boule and Thevenin 1920 A, 142.
Dall and Harris 1892 A, 286.
Deussen, A. 1924 A, 110, 116, pl. xxviii, fig. 2.
Dumble, E. T. 1894 A, 564.
Felix and Lenk 1891 A, 126, 127, 128, 135, pl. xxx, fig. 7.
Frech and Geinitz 1903 A, 35 (E. excelsior).
Freudenberg, W. 1922 A, 5.
Gidley, J. W. 1901 A, 107, 113, 138, text-fig. 9.
1903 C, 623.
Haug, E. 1911 A, 1886.
Hay, O. P. 1913 B, 592, pl. lxxi, fig. 3; text-fig. 28.
1914 A, 186, 190, pl. xiv, fig. 6; text-figs. 71-74.
1917 D, 46.
1920 B, 119.
1923 A, 8.
1924 D, 377.
1927 D, 305.
1928 C, 425, 426.

Holmes, W. H. 1903 A, 244 ("horse").
Leidy, J. 1880 B, 256.
Lindgren, W. 1898 A, 628 (This species?).
1911 A, 51, 212 (This species?).
Lindgren and Drake 1904 A, 3 (This species?).
Loomis, F. B. 1926 A, fig. 34.
Louderback, G. D. 1924 A, 7.
Lucas, F. A. 1904 F, 3 (E. excelsis. This species?).
Lull, R. S. 1913 A, 3.
Martin, H. T. 1924 A, 274 (This species?).
Matthew, W. D. 1918 A, 227.
Merriam, J. C. 1913 F, 410, 415.
1917 A, 432 (This species?).
Merrill, G. P. 1907 A, 36.
Osborn, H. F. 1904 R, 12.
1905 E, 931 (This species?).
1909 D, 83, 84.
1910 B, 368.
1915 B, 220, fig. 8.
1918 A, 31, 32.
Pavlow, M. 1906 A, 201.
Rath, G. 1886 A, 106.
Reche, O. 1905 A, 236, 239.
Shimek, B. 1910 B, 320.
Trouessart, E. L. 1905 A, 643.
Pleistocene (Sheridan); Nebraska, Iowa, Texas?: (Idaho); Idaho, Mexico.

Equus francisci Hay.

Hay, O. P. 1915 A, 535, 566, pls. xxxv-xxxvii; text-figs. 4, 5.
1917 F, 439.
1924 D, 377.
Deussen, A. 1924 A, 20, 108.
Loomis, F. B. 1926 A, 160, fig. 36.
Pleistocene (Lissie); Texas.

Equus giganteus Gidley.

Hay, O. P. 1902 A, 623.
Antonius, O. 1919 A, 279, 294.
Boule and Thevenin 1920 A, 142.
Cope, E. D. 1887 N, 1072, fig. 42 (E. crenidens).
Deussen, A. 1924 A, 110 (E. crenidens).
Diener, C. 1912 A, 220.
Dumble, E. T. 1894 A, 564 (E. crenidens).
Freudenberg, W. 1921 A, 137, 139.
1922 A, 5.
Frick, C. 1921 A, 327.
Gidley, J. W. 1901 A, 107, 137, text-fig. 27.
Hay, O. P. 1920 B, 97 (This species?).
1921 A, 619, pl. cxviii, fig. 12; pl. cxxiv, figs. 2, 3 (This species?).
1922 A, 446 ("Equus." This species?).
1923 A, 484.
1924 D, 130, 133, 246.
1927 D, 305.
Loomis, F. B. 1926 A, 161, fig. 34.
Lull, R. S. 1907 A, 182.
Lydekker, R. 1912 A, 246.
Osborn, H. F. 1904 R, 12.
1905 I, 109.
1910 B, 484, 485.
1915 B, 220, fig. 8.
Scharff, R. F. 1911 A, 146.
Scott, W. B. 1913 A, 200, 295.
Trouessart, E. L. 1905 A, 643.
Pleistocene (Early and Middle); Texas, Maryland, Arizona, Mexico.

Equus hatcheri Hay.

Hay, O. P. 1915 A, 527, 531, 566, pls. xxxii-xxxiv; text-figs. 2, 3.
1917 F, 437.
1920 B, 119, pl. vii, fig. 2.
1924 D, 377.
1927 D, 137.
Gidley, J. W. 1926 C, 482, 483 (This species?).
Holmes, W. H. 1903 A, 244 ("horse").
Loomis, F. B. 1926 A, 163, fig. 35.
Pleistocene (Aftonian); Nebraska, Oklahoma.

Equus holmesi Hay.

Hay, O. P. 1920 B, 119, pl. vii, figs. 9-12.
1924 D, 377.
1927 D, 292.
Pleistocene (Aftonian); Oklahoma.

Equus idahoensis Merriam, J. C.

Merriam, J. C. 1918 A, 527, figs. 3-5.
Frick, C. 1921 A, 310.
Hay, O. P. 1923 A, 8.
1925 D, 241.
1927 D, 305.
Merriam, J. C. 1917 A, 432, 433 (No description).
Osborn, H. F. 1918 A, 31.
Pleistocene (Idaho); Idaho.

Equus jubatus Hay.

Hay, O. P. 1927 D, 292, pl. xii, figs. 3-5.
Pleistocene (Early); Texas.

Equus lambei Hay.

Hay, O. P. 1917 F, 435, pls. lvi-lviii.
Gilmore, C. W. 1918 B, 59 ("horse").
Hay, O. P. 1923 B, 101, pl. vii, figs. 1, 2.
1924 D, 154 ("horse").
1927 A, 6.
1927 D, 273.
Lambe, L. M. 1911 B, 271 ("horse").
Loomis, F. B. 1926 A, 164, fig. 36 (E. lambi).
Pleistocene; Klondike, Yukon, Alberta.

Equus laurentius Hay.

Hay, O. P. 1913 B, 584, pls. lxxii, lxxiii; text-figs. 25-27.
Antonius, O. 1919 A, 280 [E. (Neohippus)].
1923 A (32).
Baker, F. C. 1920 A, 458.
Hay, O. P. 1914 A, 26, 201, pl. xiii, fig. 3; pls. xvii, xviii; text-figs. 80-83.
1915 A, 566, 568 (This species?).
1917 F, 437.
1920 B, 119.
1922 A, 446.
1924 D, 377.
1927 A, 5.
1927 D, 305.
1928 C, 425, 426.
Holmes, W. H. 1903 A, 244 ("horse").
Merriam, J. C. 1913 F, 398, 402, 413, 418.

Osborn, H. F. 1915 B, 220, fig. 8.
Todd, J. E. 1918 A, 45 ("horse").
Zittel and Schlosser 1923 A, 549 (E. laurentinus).
Pleistocene (Aftonian); Nebraska, Kansas, Iowa, Oklahoma.

Equus leidyi Hay.

Hay, O. P. 1913 B, 572, text-figs. 7-16.
Abel, O. 1902 A, 623 (E. fraternus).
1919 A, 864 (Neohippus fraternus).
1926 B, 81, fig. 57 (Neohippus).
1928 B, 61.
Allen, G. M. 1926 A, 453.
Antonius, O. 1919 A, 279 [E. (Neohippus) fraternus]; 280 [E. (Neohippus) leidyi].
Baker, F. C. 1920 A, 458 (E. fraternus).
Balch, E. S. 1917 A, 481.
Boule and Thevenin 1920 A, 142 (E. fraternus).
Chamberlin, R. T. 1916 A, 35 ("horse").
Ewart, J. C. 1904 A, 590 (E. fraternus).
Falconer, H. 1863 A, 64 (E. fraternus).
Freudenberg, W. 1922 A, 5 (E. fraternus).
Frick, C. 1921 A, 289 (E. fraternus).
Gidley, J. W. 1901 A, 107, 110, 138, text-fig. 8 (E. fraternus).
1911 A, 346 (E. fraternus).
1915 D, 68 (E. fraternus).
1925 A, x ("horses").
1927 E, 274.
Hay, O. P. 1913 B, 569, pl. lxix, fig. 1; text-figs. 4-6 (E. fraternus).
1914 A, 26 (E. fraternus).
1917 D, 44, pl. ii, figs. 2-4; pl. iii, figs. 5, 6.
1918 B, 12.
1919 C, 106.
1919 D, 367, 369.
1920 B, 84, 87.
1923 A, 484.
1924 D, 377 (E. leidyi); 141, 142 (E. curvidens); 131, 132 (E. fraternus).
1925 D, 241 (E. fraternus).
1927 D, 305 (E. fraternus).
1928 C, 428.
Hrdlička, A. 1918 A, 27.
Loomis, F. B. 1925 C, 506 (E. complicatus).
1925 D, 436 ("horse").
1926 A, 162.
Lucas, F. A. 1901 J, 163 (E. fraternus).
1902 B, 259.
Lull, R. S. 1921 B, 175 (E. fraternus).
Lydekker, R. 1912 A, 246 (E. fraternus).
Lyell, C. 1855 A, I, 348 (E. curvidens).
MacCurdy, G. G. 1916 A, 61 (This species?).
Matson and Clapp 1909 A, 136, 137 (E. fraternus).
Matthew, W. D. 1902 F, 318 (E. fraternus).
1924 C, 166, 168 (E. fraternus).
Miller and Stephenson 1912 A, 57 (E. fraternus).
Osborn, H. F. 1910 B, 456, 470.
1915 B, 220, fig. 8.
1918 A, 31, 174 (E. fraternus).
Pavlow, M. W. 1925 A, 318 (Neohippus fraternus).
Rogers, H. D. 1844 A, 258 ("horse." This species?).
Schlosser, M. 1902 H, 142 (E. fraternus).
Scott, W. B. 1913 A, 199 (E. fraternus).
Sellards, E. H. 1913 A, pl. v, fig. 2 ("horse").
1915 D, 77.
1916 B, 102 (E. fraternus. This species?); 103, 104 (E. leidyi).
1916 C, 132, 139, 149, 158.
1916 D, 617.
1916 E, 16.
1916 F, 7, 9.
Shuler, E. W. 1923 A, 333 (E. fraternus?).
Simpson, G. G. 1928 H, 2 (This species?).
Spencer, J. W. 1895 A, 137 (E. fraternus).
Trouessart, E. L. 1905 A, 643 (E. fraternus).
Pleistocene (Early); Nebraska, Florida, Alabama, Mississippi, Texas, Pennsylvania, Kansas, Mexico.

Equus littoralis Hay.

Hay, O. P. 1913 B, 575, figs. 17, 18.
Allen, G. M. 1926 A, 453.
Antonius, O. 1919 A, 280 [E. (Neohippus?)].
Baker, F. C. 1920 A, 374.
Chamberlin, R. T. 1916 A, 35 ("horse").
Gidley, J. W. 1901 A, 121-122 (E. tau).
1927 E, 274.
Hay, O. P. 1917 E, 44 (This species?).
1920 B, 88.
1923 A, 484.
1924 D, 377.
1926 C, 2 (This species?).
1927 D, 274, 286.
Loomis, F. B. 1926 A, 162.
Merriam, J. C. 1917 A, 439.
Sellards, E. H. 1915 D, 77.
1916 B, 94.
1916 C, 149, 158.
1916 D, 617.
1916 E, 16.
1916 F, 9.
Pleistocene (Early); Florida, Tennessee.

Equus nevadanus Hay.

Hay, O. P. 1927 D, 57-59, 61, 152, pls. ii, iii.
Pleistocene (Early); Nevada.

Equus niobrarensis Hay.

Hay, O. P. 1913 B, 576, pl. lxix, figs. 2-4; pl. lxx; pl. lxxi, figs. 1, 2; text-figs. 19-24.
Antonius, O. 1919 A, 280 [E. (Neohippus?)].
1923 A (34).
Baker, F. C. 1920 A, 458.
Frick, C. 1921 A, 289, 311.
Hay, O. P. 1913 E, 3, fig. 2.
1914 A, 26, 191, 198, pl. x, figs. 2-4; pl. xiv, figs. 3-5; pls. xv, xvi; text-figs. 75-79.
1915 A, 528, 531, 566.
1917 F, 437.
1921 A, 609 (This species?).
1923 A, 190, 354.
1924 D, 377.
1927 A, 6.
1927 D, 305.
1928 C, 425, 426.
Loomis, F. B. 1926 A, 164, fig. 35.
Matthew, W. D. 1918 A, 227, 228.
Merriam, J. C. 1913 F, 398, 402, 410, 413, 416

Osborn, H. F. 1915 B, 220, fig. 8.
1918 A, 7, 8, figs. 4, 4*a*.
Sefve, I. 1927 A, 8, text-figs. 4, 5.
Sternberg, C. H. 1898 B, 169 (E. excelsus).
Pleistocene (Aftonian); Nebraska, Iowa, Missouri, Kansas.

Equus niobrarensis alaskæ Hay.

Hay, O. P. 1913 E, 1, pls. i, ii.
1917 F, 439.
Merriam, J. C. 1913 F, 398.
Pleistocene silts; Tofty, Alaska.

Equus occidentalis Leidy.

Hay, O. P. 1902 A, 623.
Abel, O. 1919 A, 864 (Neohippus).
1926 B, 238.
Antevs, E. 1925 A, 75 (This species?).
Antonius, O. 1919 A, 279 (Neohippus).
Baker, F. C. 1920 A, 210, 213, 395.
Boule and Thevenin 1920 A, 141.
Bryan, K. 1923 A, 32.
Calvin, S. 1909 A, 137 (E. occidentalis; later referred to E. complicatus).
Clayton, J. E. 1864 A, 171 ("horse." This species?).
Cooper, J. G. 1875 A, 390.
Cope, E. D. 1878 II, 125.
1895 G, 599.
Denton, W. 1875 A, 186 ("horse." This species?).
Deussen, A. 1924 A, 110.
Diller, J. S. 1906 A, 11 ("horse").
Dumble, E. T. 1894 A, 564 (This species?).
Ewart, J. C. 1904 A, 590.
Frick, C. 1921 A, 308.
Furlong, E. L. 1904 A, 54.
1906 A, 243.
1907 A, 393.
Gidley, J. W. 1901 A, 107, 114, 139, text-fig. 10.
1923 B, 30 (This species?).
Gilbert, J. Z. 1910 B, 25 ("horse").
Hanna, G. D. 1923 A, 65, pl. ix, fig. *c*.
Haug, E. 1911 A, 1886.
Hay, O. P. 1920 B, 121.
1921 A, 618, pl. cxviii, fig. 11; pl. cxxiv, fig. 1 (This species?).
1922 A, 446.
1923 A, 9.
1924 D, 377.
1925 D, 241.
1926 D, 359.
1926 F, 426 ("Equus").
1927 D, 301, 302, 305.
Hoffmann, R. 1927 A, 155 (This species?).
Holmes, W. H. 1901 A, 423 ("horse." This species?).
Kellogg, R. 1922 A, 61.
Knowlton, F. H. 1911 D, 63 ("horse").
Le Conte, J. 1882 B, 3.
1883 A, 101 (This species?).
Leidy, J. 1880 B, 256.
Lindgren, W. 1911 A, 51.
Loomis, F. B. 1926 A, 16, 158, pl. iii.
Louderback, G. D. 1907 A, 212 ("horse").
McCornack, E. C. 1920 A, 17, 23.
Matthew, W. D. 1914 I, 41.
Merriam, J. C. 1908 D, 473 ("horse").
1909 C, 11, fig. ("colt").
1913 F, 399, 402, 410, figs. 1-14.
1914 B, 201 ("horse." This species?).
1916 B, 528, figs. 16, 18.
1918 A, 528, 530.
1918 D, 518.
Merriam and Buwalda 1917 A, 259.
Merriam and Stock 1921 A, 567.
1925 A, 10, 11.
Miller, L. H. 1912 A, 71, 73, 74.
Osborn, H. F. 1910 B, 460, 477, 484.
1915 B, 220, fig. 8.
1925 D, 528, 531, 535, figs.
Reche, O. 1905 A, 239.
Scott, W. B. 1913 A, 200.
Sinclair, W. J. 1903 A, 711.
1904 A, 18.
1908 A, 112.
Stock, C. 1925 A, 113, 118.
1927 A, 156 (This species?).
Trouessart, E. L. 1905 A, 643.
Villada, M. M. 1903 A, 445, pl. ii (This species?).
Wright, R. R. 1883 A, 234, fig. 121.
Zittel and Schlosser 1923 A, 549.
Pleistocene; western States of the United States, Mexico?

Equus pacificus Leidy.

Hay, O. P. 1902 A, 623.
Antevs, E. 1925 A, 75 (This species?).
Antonius, O. 1919 A, 279, 294.
Boule and Thevenin 1920 A, 142.
Calvin, S. 1909 B, 355.
1911 A, 210.
Diller, J. S. 1906 A, 11 ("horse").
Frick, C. 1921 A, 308.
Gidley, J. W. 1901 A, 107, 116, 138, text-fig. 11.
1926 C, 481, 482 (This species?).
Haug, E. 1911 A, 1886.
Hay, O. P. 1923 E, 395 ("horses." This species?).
1926 D, 359.
1927 D, 302, 305, 310.
Hodge, E. T. 1925 A, x ("horse").
Jones, J. C. 1925 A, 49 (This species?).
Knowlton, F. H. 1911 D, 63 ("horse").
Lawson, A. 1914 A, 15.
Le Conte, J. 1882 B, 3.
1883 A, 101 (This species?).
Leidy, J. 1880 B, 257.
Loomis, F. B. 1926 A, 159, fig. 34.
McCornack, E. C. 1920 A, 17, 23.
Matthew, W. D. 1902 F, 320.
Merriam, J. C. 1913 F, 410, 414.
1914 D, 15.
1915 C, 379, 381, pl. xli; text-fig. 3 (This species?).
1918 A, 530.
1918 D, 520.
Merriam and Stock 1925 A, 10.
Miller, L. H. 1912 A, 71, 81 (This species?).
Osborn, H. F. 1904 R, 12.
1910 B, 614 (This species?).
1915 B, 220, fig. 8.
Russell, I. C. 1884 A, 460 ("horse").

Scott, W. B. 1913 A, 201.
Shimek, B. 1911 A, 318.
Sinclair, J. 1904 A, 18, 20.
Smith and Packard 1919 A, 103.
Stock, C. 1925 A, 113, 195.
Trouessart, E. L. 1905 A, 643.
Pleistocene (Early); Oregon, California, Nevada?

Equus pectinatus Cope.

Hay, O. P. 1902 A, 624.
Abel, O. 1919 A, 864 (Neohippus).
Antonius, O. 1919 A, 279, 294 [E. (Neohippus)].
Baker, F. C. 1920 A, 208, 213, 395.
Boule and Thevenin 1920 A, 142.
Freudenberg, W. 1922 A, 5.
Gidley, J. W. 1901 A, 107, 133, 139, text-fig. 23.
Haug, E. 1911 A, 1886.
Hay, O. P. 1923 A, 484.
1924 D, 377.
1925 D, 241.
1927 D, 162, 293, 295.
Loomis, F. B. 1926 A, fig. 34.
Osborn, H. F. 1904 R, 12.
1910 B, 470, 484.
1915 B, 220, fig. 8.
Pavlow, M. W. 1925 A, 318 (Neohippus).
Rhoads, S. N. 1903 A, 237.
Scott, W. B. 1913 A, 200.
Trouessart, E. L. 1905 A, 643.
Pleistocene (Early, Middle); Pennsylvania, Illinois, Mexico.

Equus princeps (Leidy).

Hay, O. P. 1902 A, 622 (E. complicatus, in part).
Abel, O. 1928 B, 79, 88, fig. 46 (Hipparion, Neohipparion fraternus).
Gidley, J. W. 1907 A, 875, 910 (Neohipparion).
Hay, O. P. 1923 A, 199.
Matson and Clapp 1909 A, 137 (Hippotherium).
Matthew, W. D. 1909 C, 117 (Neohipparion).
1924 C, 166 (Neohipparion); 168 (Hipparion).
Merrill, G. P. 1907 A, 41 (Hippotherium).
Osborn, H. F. 1918 A, 201, figs. 166, 166*a* (Equus, Hipparion).
Sellards, E. H. 1916 B, 94, 97 (Hipparion).
Trouessart, E. L. 1905 A, 642 (Syn. of E. complicatus).
The type of this species is a tooth which may be an abnormal one of *Equus leidyi*.
Pleistocene; Florida.

Equus scotti Gidley.

Gidley, J. W. 1900 A, 111, figs. 1-3, 5*a*.
Hay, O. P. 1902 A, 624.
Abel, O. 1912 F, 19.
1928 B, 77, 93, fig. 45.
Anonymous 1908 B, 122.
Antonius, O. 1919 A, 279.
1923 A, (32).
Baker, F. C. 1920 A, 458.
Boule and Thevenin 1920 A, 141.
Brown, B. 1908 A, 200.
Calvin, S. 1909 B, 346, 355, pls. xvii, xviii.
1911 A, 210, 211.
Eastman, C. R. 1913 B, 677.
Ewart, J. C. 1907 A, 562, 564.
Freudenberg, W. 1922 A, 5 (Syn.? of E. crenidens).
Frick, C. 1921 A, 308.
Gidley, J. W. 1901 A, 103, 134, 139, pl. xx; text-figs. 25, 26.
1903 C, 618, 624.
1926 C, 482, 483.
1927 D, 266, fig.
1928 B, 14 (This species?).
Gregory, W. K. 1908 A, 122.
1912 F, 286.
Haug, E. 1911 A, 1886.
Hay, O. P. 1912 D, 582, text-figs. 29, 30*a*.
1913 B, 584.
1914 A, 26, 32, 79, text-figs. 66-70.
1915 A, 566.
1917 F, 439.
1923 A, 194.
1924 D, 377.
1925 D, 241.
1927 D, 162.
1928 C, 425.
Lambe, L. M. 1917 E, 291.
Loomis, F. B. 1926 A, 153-158, pl. xiv, fig. 33.
Lull, R. S. 1913 A, 8, fig.
1917 B, 619, pl. xxiv; text-fig. 227.
Matthew, W. D. 1902 F, 318 (This species?).
1903 A, 7, pl. ii.
1908 I, 122.
1914 G, 234.
1915 K, 454, fig. 29.
1916 J, 2.
Merriam, J. C. 1915 F, 398, 410, 413, 416.
Osborn, H. F. 1901 A, pl. i.
1904 F, 32.
1904 O, 156.
1905 J, 282.
1910 B, 614.
Reche, O. 1905 A, 236.
Shimek, B. 1910 A, 130, 136, 139.
1910 B, 316-322.
1912 A, 142 (This species?).
Trouessart, E. L. 1905 A, 643.
Troxell, E. L. 1915 A, 615, 616, pl. ix; text-figs. 2-5.
1916 A, 340.
1917 A, 81, figs. 1-6.
Zittel and Schlosser 1911 A, 463.
1923 A, 549.
Pleistocene (Aftonian); Texas.

Equus semiplicatus Cope.

Hay, O. P. 1902 A, 624.
Abel, O. 1926 B, 433.
Antonius, O. 1919 A, 279 [E. (Neohippus?)].
1923 A, (32).
Boule and Thevenin 1920 A, 142.
Deussen, A. 1924 A, 110.
Dumble, E. T. 1894 A, 564.
Freudenberg, W. 1921 A, 139 (This species?).
Gidley, J. W. 1901 A, 107, 129, 139, text-figs. 20, 21.
1903 C, 623.
1924 A, 70 (E. occidentalis?).
Hay, O. P. 1923 B, 116.

Hay, O. P. 1924 D, 377.
1927 D, 297.
1928 C, 425, 426.
James, J. F. 1891 B, 161 (E. excelsus).
Matthew, W. D. 1903 A, 25, pl. vii (E. intermedius).
Montgomery, J. H. 1904 A, 58.
Osborn, H. F. 1910 B, 484.
1915 B, 220, fig. 8.
Scott, W. B. 1913 A, 200.
Trouessart, E. L. 1905 A, 643.
Pleistocene (Early); Texas, Mexico?

Equus tau Owen.

Hay, O. P. 1902 A, 624.
Ameghino, F. 1897 B, 264.
Cope, E. D. 1895 G, 599.
Deussen, A. 1924 A, 110 (This species?).
Diener, C. 1912 A, 220.
Dumble, E. T. 1894 A, 564 (This species?).
Ewart, J. C. 1904 A, 590.
Felix and Lenk 1891 A, 135.
Freudenberg, W. 1921 A, 139.
1922 A, 5 (Syn. of E. barcenai).
Gidley, J. W. 1901 A, 107, 120, 123, 139, fig. 12.
1903 C, 623.
1911 A, 436 (This species?).
Hay, O. P. 1915 A, 539.
1924 D, 377.
1926 C, 2 (This species?).
1927 D, 54, 130.
1928 C, 425 (This species?).
Osborn, H. F. 1905 E, 931.
Trouessart, E. L. 1905 A, 643.
Villada, M. M. 1903 A, 445.
Wilkens, M. 1884 B, 329 (="E. asinus fossilis").
Zittel and Schlosser 1923 A, 549.
Pleistocene (Early); Mexico, Texas?.

Equus sp. indet.

Adams, A. Leith 1879 A, 117 ("horse").
Anderson, F. M. 1908 A, 35 ("horse"). Pleistocene; California.
Antevs, E. 1925 A, 75 ("horse"). Pleistocene (Walker River); Nevada.
Bailey, T. L. 1926 A, 59 (E. fraternus?). Pleistocene (Reynosa); Texas.
Baker, C. L. 1915 A, 34 ("horse"). Pleistocene; Texas.
Bancroft, H. H. 1875 A, 677 ("horses"). Pleistocene; California.
Barbour, E. H. 1927 A, 133. Pleistocene (Early); Nebraska.
Becker, G. F. 1888 A, 221 (This genus?). Pleistocene (Cache Lake); California.
Bell, R. 1898 A, 373 ("horse").
Blake, W. P. 1884 A, 273. Pleistocene; Nevada.
Broadhead, G. C. 1881 A, 521 ("horse").
Brown, B. 1912 C, 167. Pleistocene (Jalisco); Mexico.
Bryan, K. 1923 A, 31. Pleistocene; Ligurta, Arizona.
Buwalda, J. P. 1914 A, 451 (2 species). Pleistocene (Manix); California.
Calvin, S. 1911 A, 211, pl. xix, figs. 1-4. Pleistocene; Iowa.
Cannon, G. L. 1888 B, 61 ("horse"). Pleistocene; Colorado.
Cobb, C. 1923 A, 31. Pleistocene (Early); Enfield, North Carolina.
Collier, A. J. 1902 A, 27. Pleistocene; Alaska.
1918 A, 35. Pleistocene (Early); Montana.
Condon, T. 1902 A, 141, pl. xxiii. Pleistocene; Touchet, Oregon.
1910 A, 175, pl. xxiii. Pleistocene; Touchet, Oregon.
Conrad, T. A. 1838 A, x ("horse").
Cook, H. J. 1925 A, 460. Pleistocene; Texas.
1926 D, 335, 2 sp. Pleistocene; Colorado, Texas.
1927 A, 117. Pleistocene (Aftonian); Oklahoma.
Cooke, C. W. 1926 A, 445 ("horse"). Florida.
1928 A, 421. Florida.
Cragin, F. W. 1899 A, 610 ("horse").
1900 A, 23 ("horse").
Cummins, W. F. 1893 A, 182, 183 ("Equus"). Pleistocene; Texas.
Dumble, E. T. 1920 A, 268. Pleistocene (Early); Texas.
Eaton, G. F. 1923 A, 236, figs. 7, 8. Pleistocene; Mexico.
Ferguson, H. G. 1917 A, 182. Pleistocene; Nevada.
Freudenberg, W. 1910 A, 5. Pleistocene (Early); Mexico.
1922 A, 5, 26, 28. Pleistocene (Early); Mexico.
Frick, C. 1918 A, 163. Pleistocene (Bautista Creek); California.
Furlong, E. L. 1925 A, 139, 140, 142, 144. Pleistocene; Tequixquiac, Hidalgo: Zumpango, Guerrero: Saltillo; Coahuila: Monterey; Nuevo Leon: Mexico.
Gaudry, A. 1903 A, 553 ("cheval").
Gidley, J. W. 1913 B, 96. Pleistocene; Maryland.
1915 D, 20 ("Equus") Florida.
1917 C, 182. Pleistocene; Nevada.
1918 C, 182. Pleistocene (Early); Montana.
1920 B, 283 ("horse"). Pleistocene (Middle); Maryland.
1922 B, 120, 121. Pliocene? (San Pedro Valley); Arizona.
1923 D, 75. Pleistocene (Gila conglomerate); Arizona.
1924 A, 69. Pleistocene (Early); Nevada.
1926 C, 483. Pleistocene (Early); Arizona.
1928 B, 13, 16, fig. 13 ("horse"). Pleistocene; Oklahoma, Florida.
Gilbert, G. K. 1875 A, 543. Pleistocene?; New Mexico.
1890 A, 303, 394 ("Equus").
Gilmore, C. W. 1908 A, 31, 38 (Pleistocene); Alaska.
Gordon, C. H. 1913 A, 31 ("Equus"). Knox County, Texas.
Gregory, H. E. 1917 A, 82 ("Equus"). Pleistocene; Arizona.
Hartnagel and Bishop 1921 A, 81, 94 ("horse"). Recent?; New York.

Hay, O. P. 1917 B, 15. Pleistocene; Texas.
1920 B, 110. Pleistocene; Illinois.
1921 A, 600. Pleistocene (Early); Colorado.
1923 A, 484.
1924 B, 260, 262 ("Equus"). Pleistocene; Florida.
1924 D, 377. Pleistocene; Alberta, Arkansas, Colorado, Iowa, Kansas, Manitoba, Missouri, Montana, Nebraska, New Mexico, South Dakota, Texas, Wyoming.
1926 G, 131 ("large horse").
1927 D, 301, 302, 305, 314.
1928 C, 423.
Haynes, H. W. 1889 A, 353. Pleistocene, Nevada.
Hills, R. C. 1889 A, 221. Pleistocene (Huerfano); Colorado.
Holmes, F. S. 1860 A, iii ("horse").
Hrdlička, A. 1918 A, 18. Pleistocene (La Brea); California.
Kellogg, R. 1922 A, 80. Pleistocene (San Pedro); California.
Koch, A. 1840 A, 3 ("antediluvian horse"). Pleistocene; Missouri.
Lambe, L. M. 1910 C, 273 (E. caballus).
1912 B, 349 (E. caballus). Pleistocene; Yukon.
1917 E, 295. Pleistocene; Yukon.
Lee, W. T. 1907 A, 32 ("Equus"). Pleistocene; New Mexico.
Lee, Stone and Gale 1915 A, 173 ("horse"). Pleistocene (Lake Lahontan); Nevada.
Leidy, J. 1868 D, 195 ("indigenous horse").
Leighton, M. M. 1921 A, 513. Pleistocene (Sangamon?); Illinois.
Lindgren, W. 1911 A, 193 ("horses," 2 species). Carson, Nevada.
Lindgren and Drake 1904 A, 2 ("Equus"). Pleistocene? (Idaho); Idaho.
1904 B, 2 ("Equus"). Pleistocene (Idaho); Idaho.
Loomis, F. B. 1926 B, 262. Pleistocene; Florida.
Lucas, F. A. 1900, in Lindgren, W. 1900 A, 99 ("Equus").
1900 H, 99. Pleistocene; Ada County, Idaho.
1902 J, 27 (E. complicatus?). Pleistocene; Alaska.
1904 B, 2 ("Equus"). Pleistocene? (Idaho); Idaho.
1904 F, 2, 3. Pleistocene? (Idaho); Idaho.
McCornack, E. C. 1920 A, 16, 19. Pleistocene (Touchet River); Washington.
McGee, W J 1888 A, ("horse"). Pleistocene (Early); Nevada.
1889 A, 303 ("horse"). Pleistocene (Lake Lahontan); Nevada.
Matthew, W. D. 1902 F, 321.
1926 C, 164, fig. 22. Pleistocene (Lower); Nebraska.
Mercer, H. C. 1894 A, 98 ("horse"). Lenape stone.
Merriam, J. C. 1900 A, 613. Pleistocene; California.
Merriam, J. C. 1910 C, 50. Pleistocene? (Thousand Creek); Nevada.
1911 B, 265, figs. 32, 36 (This genus?).
1914 C, 644 (This genus?).
1914 D, 15. Pleistocene (San Antonio); California.
1915 E, 223, figs. 33-37 (Equus sp. or Pliohippus sp.). Pleistocene? (Etchegoin); California.
1915 F, 261. ("Equus," 2 species). Pleistocene (Manix); California.
1916 E, 172. Pleistocene? (Etchegoin); California.
Merriam and Buwalda 1917 A, 256 (Ringold); Washington.
Miller, L. H. 1912 A, 78, 81. Pleistocene (La Brea); California.
1925 A, 309 ("horse"). Pleistocene (McKittrick); California.
Miller and Stephenson 1912 A, 50, 55 ("horse"). Pleistocene; North Carolina.
Mitchell, S. L. 1826 A, 7, 8. Pleistocene (Navesink Hills); New York.
Newberry, J. S. 1870 D, 28 ("horse"). Pliocene or Pleistocene (Idaho beds); Idaho.
Nomland, J. O. 1916 A, 83 (Equus or Pliohippus). Pleistocene (Jacalitos); California.
Obalski, T. 1904 A, 216 ("cheval"). Pleistocene; Alaska.
Osborn, H. F. 1910 B, 368 ("Equus". Pleistocene (Peace Creek); Florida, Alaska: 490 ("Equus"); Alaska: 468 ("horse"); Pleistocene (Lake Lahontan); Nevada.
Paret, T. D. 1894 A, 97 ("horse").
Peterson, O. A. 1917 A, 474. Pleistocene (Middle); Virginia.
1926 A, 274. Pleistocene; Pennsylvania.
Quackenbush, L. S. 1909 A, 91-93.
Ransome, F. L. 1919 A, 74 (Equus complicatus). Pleistocene (Gila conglomerate); Arizona.
Ross, C. P. 1923 A, 75. Pleistocene (Gila conglomerate); Arizona.
Russell, I. C. 1885 A, 238 ("horse"). Pleistocene (Lake Lahontan); Nevada.
Schmidt, E. 1872 A, 254 ("pferd"). Pleistocene (Table Mountain); California.
Sellards, E. H. 1916 D, 616. Pleistocene; Florida.
Shimek, B. 1910 A, 130, seq.
1912 A, 140, 143, 145 ("horse").
Sinclair, W. J. 1904 A, 20. Pleistocene; California: (Fossil Lake); Oregon.
1904 B, 11. Pleistocene; Nevada.
Smith, D. T. 1904 A, 11 ("horse"). Pleistocene (Lahontan); Nevada.
Stephenson, L. W. 1912 B, 268 ("horse"). Pleistocene; North Carolina.
Stock, C. 1924 A, 11 ("horse").
1925 A, 113, 201. Pleistocene; California.
Todd, J. E. 1900 A, 99 ("horse"). Sioux Falls, South Dakota.
Turner, H. W. 1906 A, 275 (Texas).
Whitney, J. D. 1865 A, 102, 242, 251, 252 ("horse"). Pleistocene; California.
1879 B, 261 ("horse"); California.
Whittelsey, C. 1848 A, 215 ("horse").

Whittelsey, C. 1866 A, 16 ("horse."). Pleistocene; Ohio, New York.
Wyman, J. 1875 A, 35, 42, 81 ("extinct horse").
Young and Cooper 1926 A, 5 ("horse").
1927 A, 2 ("horse").

Superfamily BRONTOTHERIOIDÆ, new form.

Hay, O. P. 1902 A, 629 (Brontotherioidea).
Abel, O. 1912 D, 608 ("titanotherien").
Case, E. C. 1898 C, 833 (Titanotheroidæ).
Gidley, J. W. 1912 B, 179 (Titanotherioidea).
Gregory, W. K. 1920 A, 247 (Titanotheroidea).
Hay, O. P. 1927 E, 77 ("titanotheres").
Howes, G. B. 1902 A, 523 (Titanotheria).
Osborn, H. F. 1903 G, 835 ("titanotheres").
1910 B, 556 (Titanotheroidea).
Schlosser, M. 1901 B, 300 (Titanotheroidea).
Weber and Abel 1928 A, 426, 626, 684 (Titanotherioidea).

LAMBDOTHERIIDÆ Cope.

Cope, E. D. 1889 R, 629.
Hay, O. P. 1902 A, 629 (Lambdotheriinæ).
Abel, O. 1913 B, 730, 754a (Palæosyopinæ).
1914 A, 251 (Palæosyopinæ).
1919 A, 867 (Palæosyopinæ).
Ameghino, F. 1902 B, 10 (Palæosyopinæ).
Arldt, T. 1907 D, 253 (Palæosyopinæ).
Osborn, H. F. 1910 B, 556 (Palæosyopidæ).
Palacký, J. 1903 B, 306 ("paläosyopinen").
Riggs, E. S. 1912 A, 25, 40 (Dolichorinæ).
Trouessart, E. L. 1905 A, 618 (Palæosyopinæ).
Weber, M. 1904 A, 614, 617 (Palæosyopidæ).
Weber and Abel 1928 A, 426, 650, 684 (Palæosyopidæ).
Zittel and Schlosser 1911 A, 465 (Palæosyopinæ).
1923 A, 551, 669 (Palæosyopinæ).

LAMBDOTHERIUM Cope. Type *L. popoagicum* Cope.

Hay, O. P. 1902 A, 629.
Abel, O. 1922 C, 260, fig. 212.
Arldt, T. 1907 D, 253.
Granger, W. 1910 A, 246.
1914 A, 202.
Gregory, W. K. 1910 A, 386, 387.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 102.
1926 C, 169, fig. 26.
1928 B, 967, 979, figs. 10, 15.
Osborn, H. F. 1897 I, 107.
1907 G, 175, figs. 167, 168.
1909 D, 23, 128.
1910 B, 124, 130, 134, 178, 556.
1912 G, 226, fig. 3.
1914 B, 403.
1919 B, 558.
Palmer, T. S. 1904 A, 363, 942.
Schlosser, M. 1901 E, 150.
Schuchert, C. 1910 A, 599.
Schuchert and Levene 1927 A, 347.
Scott, W. B. 1913 A, 275, 315.
Seeley, H. G. 1886 A, 476.
Sinclair and Granger 1911 B, 723.
Trouessart, E. L. 1905 A, 618.
Weber, M. 1904 A, 617, 620.
Zittel and Schlosser 1911 A, 465.
1923 A, 551, 666.

Lambdotherium magnum Osborn.

Osborn, H. F. 1919 B, 559, 562, fig. 3.
Lower Eocene (Huerfano); Colorado.

Lambdotherium popoagicum Cope.

Hay, O. P. 1902 A, 629.
Loomis, F. B. 1907 B, 357, 362, fig. 2 (L. primævum).
Matthew, W. D. 1909 C, 95.
Osborn, H. F. 1908 A, 599, figs. 1-3.
1909 D, 46, 47, 49 (L. popoagicum); 38, 48 (L. primævum).
1913 C, 414, figs. 4*A*, 7*B*, 9*I-L*.
1919 B, 559.
Schlosser, M. 1901 E, 150.
Sinclair and Granger 1911 A, 91, 108 (L. primævum a syn.).
Trouessart, E. L. 1905 A, 618.
Lower Eocene (Wasatch and Wind River); Wyoming, New Mexico.

Lambdotherium priscum Osborn.

Osborn, H. F. 1913 C, 413, figs. 7a, 9a-e.
Abel, O. 1922 C, 259, fig. 211.
Osborn, H. F. 1919 B, 559, 560, fig. 3.
Lower Eocene (Wind River); Wyoming.

Lambdotherium progressum Osborn.

Osborn, H. F. 1913 C, 415, figs. 8, 9f-h.
1919 B, 559, 560, fig. 2.
Lower Eocene (Wind River); Wyoming.

EOTITANOPS Osborn. Type *Palæosyops borealis* Cope.

Osborn, H. F. 1907 A, 242.
Abel, O. 1922 C, 271.
Christman, E. S. 1921 A, 621, fig.
Granger, W. 1910 A, 243, 246.
1914 A, 202.
Gregory, W. K. 1912 F, 285.
1921 B, 621.
Haug, E. 1911 A, 1528.
Lydekker, R. 1915 C, 621, fig. 2.
Matthew, W. D. 1909 C, 102.
1926 C, 170, fig. 26.
1928 B, 967, 979, fig. 15.
Osborn, H. F. 1908 A, 600.
1909 D, 23, 44, 45.
1910 B, 130, 134, 556.
1912 B, 258, 263, figs. 3, 4.
1912 G, 236, fig. 3.
1912 L, 184, figs. 3, 4.

Osborn, H. F. 1913 C, 407.
1914 B, 403.
1914 C, 406.
1915 B, 215, figs. 4, 5.
1917 B, 263, 264, figs.
1919 B, 558.
Schuchert and Levene 1927 A, 347, fig.
Scott, W. B. 1913 A, 275, 291, 315.
Zittel and Schlosser 1923 A, 551, 666.

Eotitanops borealis (Cope).

Hay, O. P. 1902 A, 631 (Telmatherium).
Granger, W. 1910 A, 243.
Gregory, W. K. 1910 A, 394, fig. 24.
Matthew, W. D. 1909 C, 95.
Osborn, H. F. 1897 I, 107 (Telmatotherium).
1908 A, 600, fig. 4.
1909 D, 44, 46, 48.
1913 C, 409, figs. 3, 4*d*, 5*b*.
1917 B, 264, fig.
1919 B, 562.
Peterson, O. A. 1914 B, 57 (Titanops).
Lower Eocene (Wind River); Wyoming.

Eotitanops brownianus (Cope).

Cope, E. D. 1881 D, 196 (Lambdotherium).
Hay, O. P. 1902 A, 631 (Telmatherium boreale, in part).
Granger, W. 1910 A, 343.
Matthew, W. D. 1909 C, 95.
Osborn, H. F. 1908 A, 601.
1909 D, 46.
1913 C, 408, figs. 2, 4*c*.
1919 B, 559, 563, fig. 4.
Schlosser, M. 1901 E, 150 (Palæosyops).
Lower Eocene (Wind River); Wyoming.

Eotitanops gregoryi Osborn.

Osborn, H. F. 1913 C, 408, figs. 1, 4*B*, 5*A*.
1917 B, 265.
1919 B, 559, 564, fig. 4.
Lower Eocene (Wind River); Wyoming.

Eotitanops major Osborn.

Osborn, H. F. 1913 C, 412, figs. 5*D*, 6.
1919 B, 562.
Lower Eocene (Wind River); Wyoming.

Eotitanops minimus Osborn.

Osborn, H. F. 1919 B, 559, 564, fig. 4.
Lower Eocene (Huerfano); Colorado.

Eotitanops princeps Osborn.

Osborn, H. F. 1913 C, 410, figs. 4*E*, 5*C*.
1919 B, 562.
Lower Eocene (Wind River); Wyoming.

PALÆOSYOPS Leidy. Type *P. paludosus* Leidy.

Hay, O. P. 1902 A, 630.
Abel, O. 1922 C, 263, fig. 218.
1926 B, 340, fig. 226.
Arldt, T. 1907 D, 253.
Beddard, F. E. 1902 A, 266.
Case, E. C. 1898 C, 838.
Christman, E. S. 1921 A, 625, fig.
Cope, E. D. 1880 U, 154.
Depéret, C. 1912 A, 707.
Dollo, L. 1889 C, 680.
Gaudry, A. 1898 A, 128.
Granger, W. 1909 A, 22.
Gregory, W. K. 1912 F, 285.
1917 D, 630.
1921 B, 625.
Gidley, J. W. 1917 A, 433.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 372.
Matthew, W. D. 1909 C, 102.
1924 E, 748.
1926 C, 170, fig. 26.
1928 B, 967, 979, 983, fig. 15.
Osborn, H. F. 1897 I, 107.
1905 I, 100, pl. iii, fig. 1.
1905 L, 568.
1907 G, 162, figs. 135, 170.
1908 D, 750, figs. 1, 3.
1909 D, 49, 54.
1910 A, 206.
1910 B, 626, fig. 61.
1912 B, 258, fig. 3.
1912 L, 177, 184, figs. 1, 3.
1914 B, 403.
1914 C, 406.
1915 C, 215, fig. 5.
1919 B, 558.
1925 C, 750.
Palmer, R. W. 1913 A, 886.
Palmer, T. S. 1904 A, 504, 942.
Reynolds, S. H. 1897 A, 432.
Sauvage, H. E. 1882 A, 106 (Palæoshyops).
Schlosser, M. 1898 C, 373.
Scott, W. B. 1913 A, 272, 317, 318, figs. 165, 166.
Seeley, H. G. 1886 A, 476.
Trouessart, E. L. 1905 A, 619.
Wallace, A. R. 1876 A, I, 136.
Weber, M. 1904 A, 617.
Weber and Abel 1928 A, 684.
Zittel and Schlosser 1911 A, 465.
1923 A, 551, 667.

Palæosyops copei Osborn.

Osborn, H. F. 1908 A, 606, fig. 10.
Depéret, C. 1892 A, 68, 75.
Gregory, W. K. 1917 D, 630.
Osborn, H. F. 1898 V, 206.
Steinmann, G. 1907 A, 489.
Middle Eocene (Bridger); Wyoming.

Palæosyops fontinalis Cope.

Cope, E. D. 1873 EE, 1.
Hay, O. P. 1902 A, 630 (Limnohyops).
Matthew, W. D. 1909 C, 98.
Osborn, H. F. 1919 B, 557, 559, 564, 565, fig. 5.
Middle Eocene (Bridger); Wyoming.

Palæosyops grangeri Osborn.

Osborn, H. F. 1908 A, 604, fig. 9.
Middle Eocene (Bridger); Wyoming.

Palæosyops humilis Leidy.

Hay, O. P. 1902 A, 630.
Matthew, W. D. 1909 C, 98.
Middle Eocene (Bridger); Wyoming.

Palæosyops junior Leidy.

Hay, O. P. 1902 A, 630.
Eocene (Bridger); Wyoming.

Palæosyops lævidens Cope.

Cope, E. D. 1873 EE, 1 (Limnohyus).
Hay, O. P. 1902 A, 630.
Middle Eocene (Bridger); Wyoming.

Palæosyops leidyi Osborn.

Osborn, H. F. 1908 A, 604, fig. 8.
Abel, O. 1913 B, 755a, fig. 106.
1922 C, 263, fig. 220.
Gregory, W. K. 1916 A, 245, fig. 4.
1917 D, 630.
Osborn, H. F. 1910 B, 163, fig. 63.
Middle Eocene (Bridger); Wyoming.

Palæosyops longirostris Earle.

Hay, O. P. 1902 A, 631.
Middle Eocene (Bridger); Wyoming.

Palæosyops major Leidy.

Hay, O. P. 1902 A, 631 (P. paludosus, in part).
Abel, O. 1919 A, 868, fig. 664 (P. maior).
1922 C, 263, fig. 219 (P. maior).
Gregory, W. K. 1917 D, 630.
Osborn, H. F. 1904 F, 3, 26.
1921 D, 3, fig. 1.
Weber and Abel 1928 A, 684, fig. 470.
Zittel and Schlosser 1911 A, 464, fig. 646.
1923 A, 551, fig. 685.
Middle Eocene (Bridger); Wyoming.

Palæosyops paludosus Leidy.

Hay, O. P. 1902 A, 631.
Baird, S. F. 1876 A, 322 (P. agenus, error for P. diaconus?).
Cope, E. D. 1872 SS, 1.
1873 EE, 1 (P. paludosus, Limnohyus robustus).
Gregory, W. K. 1917 D, 630.
Marsh, O. C. 1884 F, fig. 69 (P. robustus).
Matthew, W. D. 1909 C, 98 (Limnohyops diaconus, P. major, P. paludosus, P. robustus).
Merrill, G. P. 1907 A, 53.
Osborn, H. F. 1897 I, 107.
1902 A, 80, fig. 2.
1904 F, 43 ("Palæosyops").
Trouessart, E. L. 1905 A, 619.
Middle Eocene (Bridger); Wyoming.

Palæosyops ultimus Matthew.

Hay, O. P. 1902 A, 631.
Matthew, W. D. 1909 C, 99 (Manteoceras).
Upper Eocene (Uinta); Utah.

Palæosyops sp. indet.

Hills, R. C. 1889 A, 222. Eocene (Huerfano); Colorado.

Limnohyops Marsh. Type *L. laticeps* Marsh.

Hay, O. P. 1902 A, 630.
Dollo, L. 1889 C, 680 (Limnohyus).
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 102.
Osborn, H. F. 1914 B, 403.
Palmer, T. S. 1904 A, 376, 942.
Trouessart, E. L. 1905 A, 618.
Wallace, A. R. 1876 A, 136 (Limnohyus).
Zittel and Schlosser 1911 A, 465.
1923 A, 551, 667.

Limnohyops laticeps Marsh.

Hay, O. P. 1902 A, 630.
Matthew, W. D. 1909 C, 98.
Osborn, H. F. 1897 I, 107 (Palæosyops).
Trouessart, E. L. 1905 A, 618.
Middle Eocene (Bridger); Wyoming.

Limnohyops matthewi Osborn.

Osborn, H. F. 1908 A, 602, fig. 6.
Middle Eocene (Bridger); Wyoming.

Limnohyops monoconus Osborn.

Osborn, H. F. 1908 A, 603, fig. 7.
Eocene; Wyoming.

Limnohyops priscus Osborn.

Osborn, H. F. 1908 A, 601, fig. 5.
Middle Eocene (Bridger); Wyoming.

Heterotitanops Peterson. Type *H. parvus* Peterson.

Peterson, O. A. 1914 B, 53.

Heterotitanops parvus Peterson.

Peterson, O. A. 1914 B, 53, pl. xi; text-figs. 1, 2.
Upper Eocene (Uinta); Utah.

Telmatherium Marsh. Type *T. validum* Marsh.

Hay, O. P. 1902 A, 631.
Abel, O. 1922 C, 263.
Beddard, F. E. 1902 A, 267 (Telmatotherium).
Granger, W. 1909 A, 22.
Gregory, W. K. 1910 A, 188, 192.
1912 A, 546.
1916 A, 251, fig. 9.
1927 E, 345.
Matthew, W. D. 1909 C, 102.
1926 C, 170, fig. 26.
1928 B, 967, 979, fig. 15.
Osborn, H. F. 1897 I, 107 (Telmatotherium).
1905 I, 100, pl. iii, fig. 2 (Telmatotherium).
1910 B, 164, 556.
1912 B, 258, fig. 3.
1912 L, 184, fig. 3.
1914 B, 403.
1915 B, 215, fig. 5.
1925 E, 8.
Palmer, T. S. 1904 A, 667, 942.
Schlosser, M. 1899 S, 320 (Telmatotherium).
Scott, W. B. 1913 A, 291.

Trouessart, E. L. 1905 A, 619 (Telmatotherium).
Weber, M. 1904 A, 618 (Telmatotherium).
Zittel and Schlosser 1911 A, 465.
1923 A, 551, 667-670.

Telmatherium accola Cook.

Cook, H. J. 1926 B, 16, pls. ix-x, fig. 3.
Lower Oligocene (Chadron); Colorado.

Telmatherium advocatum Cook.

Cook, H. J. 1926 B, 17, pls. ix, xi (T. advocata).
Lower Oligocene (Chadron); Colorado.

Telmatherium altidens Osborn.

Osborn, H. F. 1908 A, 614, fig. 18 (This genus?).
Upper Eocene (Uinta); Utah.

Telmatherium cultridens (Scott and Osborn).

Hay, O. P. 1902 A, 631.
Gregory, W. K. 1910 A, 192, fig. 13.
1927 E, 347.
Matthew, W. D. 1909 C, 98.
Middle Eocene (Bridger); Wyoming.

Telmatherium? marshii (Hay).

Hay, O. P. 1902 A, 776 (Canis).
Matthew, W. D. 1909 D, 340 ("Canis"); 341 (Telmatherium?).
Trouessart, E. L. 1904 A, 216 (Vulpavus).
A species of doubtful position.
Middle Eocene (Bridger), Wyoming.

Telmatherium ultimum Osborn.

Osborn, H. F. 1908 A, 613, fig. 17.
Abel, O. 1922 C, 263, fig. 221.
Gregory, W. K. 1912 A, 546.
1927 J, 441.
Upper Eocene (Uinta); Utah.

Telmatherium validum Marsh.

Hay, O. P. 1902 A, 632.
Matthew, W. D. 1909 C, 98.
Trouessart, E. L. 1905 A, 619.
Middle Eocene (Bridger); Wyoming.

Telmatherium vallidens (Cope).

Cope, E. D. 1872 SS, 1 (Palæosyops).
Hay, O. P. 1902 A, 632.
Matthew, W. D. 1909 C, 98.
Schlosser, M. 1899 G, 168 (Manteoceras).
Trouessart, E. L. 1905 A, 619 (Syn. of T. validum).
Middle Eocene (Bridger and Washakie); Wyoming.

Telmatherium sp. indet.

Matthew, W. D. 1909 C, 99. Eocene (Uinta); Wyoming, Utah.

STHENODECTES Gregory. Type *Telmatherium incisivum* Douglass.

Gregory, W. K. 1912 A, 546.
Osborn, H. F. 1914 B, 403.
Riggs, E. S. 1912 A, 38, 41.

Sthenodectes incisivus (Douglass).

Douglass, E. 1910 A, 305, pl. xiii, fig. 1; text-figs. 1-3 (Telmatherium?).
Gregory, W. K. 1912 A, 546.
Riggs, E. S. 1912 A, 38, 39, pl. xii.
Upper Eocene (Uinta); Utah.

DIPLACODON Marsh. Type *D. elatus* Marsh.

Hay, O. P. 1902 A, 632.
Abel, O. 1922 C, 263, fig. 218.
1926 B, 340, fig. 226.
Arldt, T. 1907 D, 253.
Case, E. C. 1898 C, 838.
Dollo, L. 1889 C, 680.
Eastman, C. R. 1913 B, 677.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 102.
1924 E, 748.
1928 B, 967.
Osborn, H. F. 1909 D, 23, 54.
1910 B, 169, 170, 206, 556.
1912 G, 237, 239.
1914 B, 403.
Palmer, T. S. 1904 A, 236, 942.
Schlosser, M. 1899 G, 167.
1899 S, 320.
Schuchert, C. 1910 A, 599.
Scott, W. B. 1913 A, 266, 313, 317, fig. 165.
Trouessart, E. L. 1905 A, 620.
Weber, M. 1904 A, 617.
Weber and Abel 1928 A, 684.
Zittel and Schlosser 1911 A, 465.
1923 A, 552, 669.

Diplacodon elatus Marsh.

Hay, O. P. 1902 A, 632.
Matthew, W. D. 1909 C, 99.
Peterson, O. A. 1914 A, 29, 36, pl. ix (D. elatum).
Upper Eocene (Uinta); Utah.

Diplacodon sp. indet.

Matthew, W. D. 1909 C, 99. Upper Eocene (Uinta); Utah.

MANTEOCERAS Hatcher. Type *Palæosyops manteoceras* Osborn.

Hay, O. P. 1902 A, 632.
Abel, O. 1922 C, 263, fig. 218.
1926 B, 340, fig. 226.
Beddard, F. E. 1902 A, 267.
Granger, W. 1909 A, 22.
1912 A, 546.
Gregory, W. K. 1920 A, 197, fig. 174.
1927 E, 347.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 102.
Osborn, H. F. 1905 I, 100, pl. iii, fig. 3.
1908 A, 606.

Osborn, H. F. 1909 D, 53.
1910 A, 206.
1910 B, 17, 139, 142, 164, 167, 556, fig. 49.
1912 B, 258, fig. 3.
1912 G, 241, fig. 6.
1912 L, 177, 184, figs. 1, 3.
1914 B, 403.
1915 B, 215, fig. 5.
1925 E, 2.
Palmer, T. S. 1904 A, 399, 942.
Scott, W. B. 1913 A, 272, 317, fig. 165.

Manteoceras foris Cook.

Cook, H. J. 1926 B, 18, pl. vii.
Lower Oligocene (Chadron); Colorado.

Manteoceras manteoceras (Osborn).

Hay, O. P. 1902 A, 632.
Abel, O. 1919 A, 868, fig. 664.
Matthew, W. D. 1909 C, 98.
Osborn, H. F. 1897 I, 107 (Palæosyops).
1902 A, 80 (Limnohyops).
1902 E, 360 (Palæosyops).
1908 A, 606.
Osborn, H. F. 1917 B, 264, fig.
1921 D, 3, fig. 1.
Trouessart, E. L. 1905 A, 619 (Limnohyops).
Middle Eocene (Bridger); Wyoming.

Manteoceras pratensis Cook.

Cook, H. J. 1926 B, 18, pl. viii.
Lower Oligocene (Chadron); Colorado.

Manteoceras uintensis Douglass.

Douglass, E. 1910 A, 307, pl. xiii, fig. 4; text-figs. 4, 5.
Upper Eocene (Uinta); Utah.

Manteoceras washakiensis Osborn.

Osborn, H. F. 1908 A, 607, fig. 11.
Granger, W. 1909 A, 21, fig. 2.
Middle Eocene (Washakie); Wyoming.

Manteoceras sp. indet.

Cook, H. J. 1926 B, 18, pl. xi. Oligocene (Chadron); Colorado.
Matthew, W. D. 1909 C, 99. Upper Eocene (Uinta); Wyoming.

PROTITANOTHERIUM Hatcher. Type *Diplacodon emarginatus* Hatcher.

Hatcher, J. B. 1895 A, 1084.
Hay, O. P. 1902 A, 632 (Diplacodon, in part).
Gregory, W. K. 1927 E, 338, 345.
1927 J, 442.
Matthew, W. D. 1924 E, 748.
1926 C, 170, fig. 26.
1928 B, 979, fig. 15.
Osborn, H. F. 1910 B, 142, 169, 556, fig. 49.
1912 G, 239.
1914 B, 403.
1925 E, 1, 6.
Palmer, T. S. 1904 A, 580, 942.
Peterson, O. A. 1914 A, 29.
1914 F, 220.
Scott, W. B. 1913 A, 266, 313.
Zittel and Schlosser 1911 A, 466.
1923 A, 553, 669.

Protitanotherium emarginatum Hatcher.

Hay, O. P. 1902 A, 633 (Diplacodon).
Gregory, W. K. 1927 E, 338.
Matthew, W. D. 1909 C, 99 (Diplacodon).
Osborn, H. F. 1904 F, 4 (Diplacodon).
1917 B, 264, fig.
1925 E, 7.
Peterson, O. A. 1914 A, 31.
Schlosser, M. 1899 G, 168 (Diplacodon).
Upper Eocene (Uinta); Utah.

Protitanotherium superbum Osborn.

Osborn, H. F. 1908 A, 615, fig. 19.
1925 E, 1, 7.
Upper Eocene (Uinta); Utah.

DOLICHORHINUS Hatcher. Type *Telmatherium cornutum* Osborn.

Hay, O. P. 1902 A, 632.
Granger, W. 1909 A, 22.
Gregory, W. K. 1912 A, 546.
1927 E, 345.
Matthew, W. D. 1909 C, 102.
1926 C, 170, fig. 26.
Osborn, H. F. 1905 I, 100, pl. iii, fig. 4.
1908 D, 750, figs. 1, 2.
1909 D, 53.
1910 B, 613.
1912 B, 258, fig. 3.
1912 G, 237, 241, fig. 6.
1912 L, 177, fig. 1.
1914 B, 405.
1915 B, 215, fig. 5.
1919 B, 569.
1925 E, 1.
Peterson, O. A. 1924 A, 405, 430.
Riggs, E. S. 1912 A, 31, 40.
Scott, W. B. 1913 A, 272, 291.
Weber and Abel 1928 A, 684.
Zittel and Schlosser 1911 A, 465.
1923 A, 551, 668.

Dolichorhinus cornutus (Osborn).

Hay, O. P. 1902 A, 632.
Abel, O. 1919 A, 868, fig. 664.
Beddard, F. E. 1902 A, 267 (Telmatotherium).
Matthew, W. D. 1902 C, 99.
Osborn, H. F. 1901 A, 80, fig. 2 (Telmatotherium).
1902 E, 360 (Telmatotherium).
1909 D, 54, 57.
Peterson, O. A. 1924 A, 408, 431, text-figs. 5-7.
Riggs, E. S. 1912 A, 31.
Schlosser, M. 1899 G, 168 (Telmatotherium).
Zittel and Schlosser 1911 A, 465, fig. 647 (Telmatherium).
1923 A, 552, fig. 686 (Telmatherium).
Upper Eocene (Uinta); Utah.

Dolichorhinus fluminalis Riggs.

Riggs, E. S. 1912 A, 33, pl. x.
Holland and Peterson 1913 A, 238.
Peterson, O. A. 1924 A, 437, 442, text-figs. 16-18.
Upper Eocene (Uinta); Utah.

Dolichorhinus heterodon Douglass.

Douglass, E. 1910 A, 310, pl. xiii, fig. 3; text-figs. 6, 7.
Peterson, O. A. 1924 A, 435, figs. 8, 9.
Riggs, E. S. 1912 A, 32.
Upper Eocene (Uinta); Utah.

Dolichorhinus hyognathus (Scott and Osborn).

Hay, O. P. 1902 A, 632 (Telmatherium).
Abel, O. 1919 A, 867, fig. 663.
1922 C, 267, 271, figs. 225, 228.
Granger, W. 1909 A, 19.
Matthew, W. D. 1909 C, 98 (Telmatherium).
Osborn, H. F. 1908 A, 611, fig. 16.
1921 D, 3, fig. 1.
1925 E, 2.
Peterson, O. A. 1924 A, 408, 410, 430, text-fig. 4.
Riggs, E. S. 1912 A, 32.
Weber and Abel 1928 A, 685, fig. 471.
Upper Eocene (Washakie); Wyoming.

Dolichorhinus intermedius Osborn.

Osborn, H. F. 1908 A, 611, fig. 15.
Peterson, O. A. 1924 A, 431, 439, text-fig. 12.
Riggs, E. S. 1912 A, 32.
Upper Eocene (Uinta); Utah.

Dolichorhinus longiceps Douglass.

Douglass, E. 1910 A, 312, pl. xiii, fig. 2; pls. xiv, xv; text-fig. 8.
Peterson, O. A. 1914 D, 129, figs. 1-7 (This species?).
1924 A, 406, 437, pls. xliv-lvii; text-figs. 2, 3, 10, 11.
Riggs, E. S. 1912 A, 32, pl. ix, figs. 1, 2.
Upper Eocene (Uinta); Utah.

Dolichorhinus superior (Riggs).

Riggs, E. S. 1912 A, 26, 39, pl. vi (Mesatirhinus).
Peterson, O. A. 1923 C, 436 (Mesatirhinus); 440, text-figs. 13, 14 (Dolichorhinus).
Scott, W. B. 1913 A, 271, 314, figs. 140, 163 (Mesatirhinus).
Upper Eocene (Uinta); Utah.

Dolichorinus sp. indet.

Holland, W. J. 1919 A, 38. Upper Eocene (Uinta); Utah.
Matthew, W. D. 1909 C, 99. Upper Eocene (Uinta); Wyoming.

TANYORHINUS Cook. Type *T. blairi* Cook.

Cook, H. J. 1926 B, 13.

Tanyorhinus blairi Cook.

Cook, H. J. 1926 B, 13, pls. i-iii.
Young and Cooper 1927 A, 2.
Lower Oligocene (Chadron); Colorado.

Tanyorhinus bridgeri Cook.

Cook, H. J. 1926 B, 15, pls. iv-vi.
Lower Oligocene (Chadron); Colorado.

Tanyorhinus harundivorax Cook.

Cook, H. J. 1926 B, 16, pl. x, fig. 2.
Lower Oligocene (Chadron); Colorado.

MESATIRHINUS Osborn. Type *Palæosyops megarhinus* Earle.

Osborn, H. F. 1908 A, 608.
Granger, W. 1909 A, 22.
Gregory, W. K. 1912 A, 546.
1927 E, 347.
Osborn, H. F. 1909 D, 51-53.
1910 A, 206.
1910 B, 164, 556.
1912 G, 241, fig. 6.
1914 B, 405.
1919 B, 568, 569.
Peterson, O. A. 1914 D, 138.
Riggs, E. S. 1912 A, 26, 40.
Zittel and Schlosser 1911 A, 465.
1923 A, 551.

Mesatirhinus megarhinus (Earle).

Hay, O. P. 1902 A, 632 (Telmatherium).
Matthew, W. D. 1909 C, 98 (Telmatherium).
Osborn, H. F. 1909 D, 52-54.
1919 B, 569.
Peterson, O. A. 1924 A, 441.
Middle Eocene (Bridger); Wyoming.

Mesatirhinus petersoni Osborn.

Osborn, H. F. 1908 A, 608, fig. 12.
Gregory, W. K. 1910 A, 395, fig. 25.
Peterson, O. A. 1924 A, 441.
Riggs, E. S. 1912 A, 39.
Middle Eocene (Washakie, Bridger); Wyoming.

EOTITANOTHERIUM Peterson. Type *Diploceras osborni* Peterson.

Peterson, O. A. 1914 F, 220.
Gregory, W. K. 1927 J, 442.
Peterson, O. A. 1914 A, 30 (Diploceras, preoccupied).
1914 D, 136.
1924 A, 417.

Eotitanotherium osborni (Peterson).

Peterson, O. A. 1914 A, 30, pls. vi-vii, v; text-figs. 1-15 (Diploceras).
1924 A, 424.
Upper Eocene (Uinta); Utah.

SPHENOCŒLUS Osborn. Type *S. uintensis* Osborn.

Hay, O. P. 1902 A, 691.
Holland and Peterson 1913 A, 215.
Osborn, H. F. 1914 B, 405.
Palmer, T. S. 1904 A, 640, 909.
Peterson, O. A. 1924 A, 409.

Sphenocœlus uintensis Osborn.

Hay, O. P. 1902 A, 691.
Holland and Peterson 1913 A, 215.
Upper Eocene (Uinta); Utah.

EOMETARHINUS Osborn. Type *E. huerfanensis* Osborn.

Osborn, H. F. 1919 B, 568.

Eometarhinus huerfanensis Osborn.

Osborn, H. F. 1919 B, 568, fig. 7.
Lower Eocene (Huerfano); Colorado.

METARHINUS Osborn. Type *M. fluviatilis* Osborn.

Osborn, H. F. 1908 A, 609.
Gregory, W. K. 1912 A, 546.
Huene, F. 1911 E, 107.
Osborn, H. F. 1910 B, 166, 168, 556.
1914 B, 405.
1919 B, 568, 569.
1925 E, 2.
Riggs, E. S. 1912 A, 27, 40.

Metarhinus cristatus Riggs.

Riggs, E. S. 1912 A, 27, 28, pl. ix, fig. 3.
Upper Eocene (Uinta); Utah.

Metarhinus earlei Osborn.

Osborn, H. F. 1908 A, 610, fig. 14.
Granger, W. 1909 A, 19.
Gregory, W. K. 1912 A, 546.
Riggs, E. S. 1912 A, 29, pl. viii; pl. xi, fig. 1.
Middle Eocene (Washakie); Wyoming.

Metarhinus fluviatilis Osborn.

Osborn, H. F. 1908 A, 609, fig. 13.
Riggs, E. S. 1912 A, 27.
Upper Eocene (Uinta); Wyoming.

Metarhinus riparius Riggs.

Riggs, E. S. 1912 A, 27, 28, pl. vii.
Upper Eocene (Uinta); Utah.

RHADINORHINUS Riggs. Type *R. abbotti* Riggs.

Riggs, E. S. 1912 A, 36, 39, 41.
Osborn, H. F. 1914 B, 405.
1919 B, 569.

Rhadinorhinus abbotti Riggs.

Riggs, E. S. 1912 A, 36, pl. xi, figs. 2, 3.
Upper Eocene (Uinta); Utah.

Rhadinorhinus diploconus (Osborn).

Hay, O. P. 1902 A, 631 (Telmatherium).
Matthew, W. D. 1909 C, 99 (Telmatherium).
Riggs, E. S. 1912 A, 37, 39.
Upper Eocene (Uinta); Utah.

BRONTOTHERIIDÆ Marsh.

Unless otherwise indicated the authors cited employ the name Titanotheriidæ for this family.

Marsh, O. C. 1873 H, 486 (Brontotheridæ).
Hay, O. P. 1902 A, 629.
Abel, O. 1912 D, 599 ("titanotheriden").
1912 F, 645 ("titanotherien").
1913 B, 730, 754a.
1914 A, 249.
1919 A, 865.
1920 A, 451 ("titanotheriiden").
1922 C, 263, 271 ("titanotheriiden").
1926 B, 340 ("titanotheriiden").
Andrews, C. W. 1903 C, 1 ("titanotheres").
Arldt, T. 1907 D, 685 (Titanotheridæ).
1912 A, 700 (Titanotheridæ).
Bassler, R. S. 1919 A, 61 ("titanotheres").
Beddard, F. E. 1902 A, 264.
Delafontaine, M. 1875 A, 174 ("brontothérides").
Depéret, C. 1912 A, 708 ("titanothéridés").
Dollo, L. 1889 C, 679 (Brontotheridæ).
Flower, W. H. 1876 B, xiii, 327 (Titanotheridæ).
1876 C, 109 (Titanotheridæ).
Fraas, E. 1902 C, lxviii (Titanotherium).
Gidley, J. W. 1917 A, 432 ("titanotheres").
Gregory, W. K. 1912 E, 15 ("titanotheres").
Gregory, W. K. 1912 F, 294.
1914 D, 294 ("titanotheres").
1927 A, 601 ("titanotheres").
1927 E, 345 ("titanotheres").
Hoernes, R. 1886 A, 668 (Brontotheridæ).
Leche, W. 1887 A.
Lee, Stone, Gale 1915 A, 39 ("titanotheres").
Lydekker, R. 1914 A, 635.
Matthew, W. D. 1909 C, 95, 98, 102, 104, 111.
1914 B, 386.
1917 A, 577.
1921 D, 214.
1926 C, 168, 169, fig. 26 ("titanotheres").
1928 B, 968, 980 ("titanotheres").
O'Harra, C. C. 1910 A, 98.
1920 A, 110.
Osborn, H. F. 1897 I, 107 ("titanotheres").
1902 A, 79 ("titanotheres").
1902 B, 91 ("titanotheres").
1902 E, 359 ("titanotheres").
1905 B, 28 ("titanotheres").
1905 D, 315 ("titanotheres").
1905 H, 219, 224, fig. 7.
1905 I, 100 ("titanotheres").
1906 C, 841, 847, 857 ("titanotheres").
1907 G, 175 ("titanotheres").

Osborn, H. F. 1908 B, 148 ("titanotheres").
1908 C, 255 ("titanotheres").
1909 D, 41, 52, 59, 61.
1910 B, 556, 633 (Titanotheridæ).
1910 C, 80 ("titanotheres").
1911 A, 825 ("titanotheres").
1912 B, 252 ("titanotheres").
1912 C, 595 ("titanotheres").
1912 E, 144 ("titanotheres").
1912 F, 279 ("titanotheres").
1912 L, 177, 178, 184, 189, fig. 3 ("titanotheres").
1914 B, 403 ("titanotheres").
1914 E, 411 ("titanotheres").
1915 B, 218 ("titanotheres").
1915 D, 284 ("titanotheres").
1918 C, 133.
1921 D, 6 ("titanotheres").
1925 E, 5.
1926 A, 189 ("titanotheres").
1926 C, 341 ("titanotheres").
Palacký, J. 1903 B, 313 ("titanotherien").
Palmer, T. S. 1904 A, 774, 941.
Reynolds, S. H. 1897 A, 432, 470.
Riggs, E. S. 1912 A, 17.
Sauvage, H. E. 1882 A, 105 (Menodontidæ).
Schlosser, M. 1911 A, 165 ("titanotheriiden").
Schmidt, O. 1886 A, 198 (Brontotheridæ).
Scott, W. B. 1913 A, 291, 308, 691 (Titanotheridæ).
Steinmann, G. 1907 A, 488.
Trouessart, E. L. 1905 A, 618.
Wallace, A. R. 1876 A, 1, 137 (Brontotheridæ).
Wanless, H. R. 1923 A, 207 ("titanotheres"); 206, 246 (Titanotherium).
Weber, M. 1904 A, 614, 618.
Weber and Abel 1928 A, 650, 684.
Winge, H. 1906 A, 71, 155 (Titanotheriini).
Woodward, A. S. 1910 B, 469 ("titanotheres").
1923 C, 29.
Zittel and Schlosser 1911 A, 464.
1923 A, 550, 602, 667, 670.

SYMBORODON Cope. Type *S. torvus* Cope.

Hay, O. P. 1902 A, 637.
Abel, O. 1913 B, 755a.
Haug, E. 1911 A, 1528.
Lull, R. S. 1905 B, 423.
Matthew, W. D. 1909 C, 111.
Osborn, H. F. 1902 B, 92, 93, 103, fig. 1.
1902 F, 626.
1905 H, 224, fig. 7.
1905 I, pl. iv, fig. 3; pl. v, fig. 3.
1910 B, 212, 556, fig. 100.
Palmer, T. S. 1904 A, 655, 942.
Schlosser, M. 1899 S, 321.
Trouessart, E. L. 1905 A, 621.

Symborodon acer Cope.

Hay, O. P. 1902 A, 637.
Lambe, L. M. 1904 C, 28, 38, 50 (This species?).
Matthew, W. D. 1901 B, 356 (S. acer, S. altirostis).
1909 C, 104.
Osborn, H. F. 1902 B, 103 (S. altirostris a syn.).
Trouessart, E. L. 1905 A, 622.
Lower Oligocene (Chadron); Colorado, Canada.

Symborodon copei Osborn.

Osborn, H. F. 1908 A, 616, fig. 21.
Abel, O. 1919 A, 871, fig. 667.
O'Harra, C. C. 1920 A, 150.
Lower Oligocene (Chadron); South Dakota.

Symborodon montanus (Marsh).

Hay, O. P. 1902 A, 637.
Cook, H. J. 1912 D, 34 (Symbordon).
Matthew, W. D. 1909 C, 104.
Merrill, G. P. 1907 A, 61 (This genus?).
O'Harra, C. C. 1920 A, 150.
Osborn, H. F. 1902 B, 103, fig. 8.
Trouessart, E. L. 1905 A, 622.
Lower Oligocene (Chadron); Nebraska.

Symborodon torvus Cope.

Hay, O. P. 1902 A, 637.
Matthew, W. D. 1901 B, 356.
1909 C, 104.
Osborn, H. F. 1902 B, 103.
1914 E, 414 (Menodus).
Trouessart, E. L. 1905 A, 621.
Lower Oligocene (Chadron); Colorado.

MENODUS Pomel. Type *Menodus giganteus* Pomel = *Palæotherium? proutii* Owen, Norwood, Evans.

Pomel, A. 1849, Arch. Sci., Nat. Bibl. Univ. Genève, x, 75.
Unless otherwise indicated the authors, as quoted, use for this genus the name *Titanotherium*. It is antedated by *Menodus* Pomel.
Hay, O. P. 1902 A, 635.
Abel, O. 1910 B (186).
1913 B, 754a.
1922 C, 263, fig. 218.
1926 B, 340, fig. 226.
Ameghino, F. 1904 A, 492.
Anonymous 1912 A, 92.
Arldt, T. 1907 D, 253.
Baird, S. F. 1876 A, 357 (Symborodon).
Beddard, F. E. 1902 A, 264.
Case, E. C. 1898 C, 838.
Cooper, C. F. 1923 A, 49.
Delafontaine, M. 1875 A, 174.
Depéret, C. 1907 B.
Douglass, E. 1905 A, 211.
Fairchild, H. L. 1894 A, 208.
Gaudry, A. 1875 D, 1282.
1893 A, 22.
1896 A, 99.
1906 A, 20.
Gervais, P. 1852 A, 186.
Greene, F. V. 1853 A, 292.
Gregory, W. K. 1910 A, 109.
Grinnell, G. B. 1923 A, 334.
Haug, E. 1911 A, 1528.
Hay, O. P. 1911 B, 400.
Heilprin, A. 1887 A, 372.
Hoernes, R. 1886 A, 668.
Knowlton, F. H. 1922 A, 21, 22.
Lambe, L. M. 1905 D, 368a.
Matthew, W. D. 1901 B, 369.
1902 G, 8, fig.
1906 B, 365.

Matthew, W. D. 1909 C, 111.
1915 K, 420.
1926 C, 169, fig. 26.
1928 B, 967.
Osborn, H. F. 1902 B, 92, 93, 95, fig. 1.
1902 F, 626.
1905 I, pl. iv, fig. 2; pl. v, fig. 2.
1909 D, 23, 61, 62, 65.
1910 B, 633, fig. 100.
1912 G, 243, fig. 8.
1914 B, 405 (Menodus).
1925 C, 750.
1925 E, 5, 9.
Palacký, J. 1903 B, 306.
Palmer, T. S. 1904 A, 681, 942.
Reynolds, S. H. 1897 A, 508, fig. 106.
Rogers, A. F. 1924 A, 545.
Schuchert, C. 1910 A, 599.
Scott, W. B. 1913 A, 317, 318, 691, figs. 165, 166.
1914 A, 139 (Menodus).
Schlosser, M. 1899 G, 168.
1899 S, 319.
Shumard, B. F. 1863 A, 141.
Steinmann, G. 1907 A, 489.
Sternberg, C. H. 1917 A, 14, fig. 7.
Toula, F. 1896 A, 922.
Trouessart, E. L. 1905 A, 620.
Wallace, A. R. 1876 A, I, 137.
Weber, M. 1904 A, 617, 618.
Weber and Abel 1928 A, 685.
Woodward, A. S. 1898 B, 330.
1898 D, 331.
Zittel and Schlosser 1911 A, 466.
1923 A, 421, 553, fig. 523.

Menodus heloceras (Cope).

Unless otherwise indicated the authors, as quoted, apply to this species the generic name *Titanotherium*.

Hay, O. P. 1902 A, 636.
Cook, H. J. 1912 D, 34 (T. helocerus).
Granger, W. 1910 A, 240 (This species?).
Matthew, W. D. 1901 B, 356.
1909 C, 104 (T. helocerus).
O'Harra, C. C. 1920 A, 149.
Osborn, H. F. 1902 B, 95, fig. 2.
1912 G, 245.
1914 E, 414 (Menodus).
Schlosser, M. 1899 S, 319.
Lower Oligocene; Colorado, South Dakota, Nebraska.

Menodus ingens (Marsh).

Unless otherwise indicated the authors, as quoted, use the generic name *Titanotherium*.

Hay, O. P. 1902 A, 636.
Abel, O. 1912 D, 608.
1922 C, 270, fig. 226.
1926 B, 337, fig. 224.
Cook, H. J. 1912 D, 34.
Matthew, W. D. 1909 C, 104.
O'Harra, C. C. 1910 A, 100, pl. xxxvii.
1920 A, pl. xx.
Osborn, H. F. 1902 B, 96.
1925 E, 5 ("M. giganteus = M. ingens").
Schmidt, O. 1886 A, 199, fig. 34.
Trouessart, E. L. 1905 A, 620.
Weber and Abel 1928 A, 685, fig. 472 (Brontotherium).
Wyckoff, W. C. 1874 A, 3, 10, 2 figs. ("Brontotherium").
Lower Oligocene (Chadron); Colorado, South Dakota, Nebraska.

Menodus proutii (Owen, Norw., and Evans).

Unless otherwise indicated the authors, as quoted, use the generic name *Titanotherium*.

Hay, O. P. 1902 A, 636.
Abel, O. 1922 C, 266, fig. 222.
1926 B, 339, fig. 225 (This species?).
Cook, H. J. 1912 D, 34 (T. prouti).
Gervais, P. 1859 A, 360 (Titanotherium proutii, Palæotherium giganteum).
Giebel, C. G. 1883 A, pl. xlii (T. prouti).
Lull, R. S. 1918 B, 204.
Matthew, W. D. 1909 C, 104.
O'Harra, C. C. 1910 A, 101.
1920 A, 115, 149, fig. 53 (Titanotherium prouti).
Osborn, H. F. 1914 E, 414 (Menodus giganteus, M. prouti).
1925 E, 1 (M. giganteus).
Schlosser, M. 1898 C, 372.
1899 S, 319 (Palæotherium).
Trouessart, E. L. 1905 A, 620 (Syn. of Titanotherium giganteum).
Lower Oligocene (Chadron); South Dakota, Nebraska.

Menodus trigonoceras (Cope).

Unless otherwise indicated the authors quoted use the generic name *Titanotherium*.

Hay, O. P. 1902 A, 637.
Beddard, F. E. 1902 A, 265, fig. 137.
Matthew, W. D. 1901 B, 356.
1909 C, 104.
O'Harra, C. C. 1920 A, 149.
Osborn, H. F. 1902 B, 96.
1914 E, 414 (Menodus).
Richardson, G. B. 1912 A, 270 (T. trigonoceros?).
1915 A, 9 (T. trigonias?, T. trigonoceras?).
Weber and Abel 1928 A, 686, fig. 473.
Lower Oligocene (Chadron); South Dakota, Colorado.

Menodus sp. indet.

Figgins, J. D. 1921 A, 16, 19 (Titanotherium).

Allops Marsh. Type *A. serotinus* Marsh.

Hay, O. P. 1902 A, 633 (Megacerops, in part).
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 104.
Osborn, H. F. 1902 B, 102.
Trouessart, E. L. 1905 A, 621.

Allops amplus (Marsh).

Hay, O. P. 1902 A, 633 (Megacerops?).
Cook, H. J. 1912 D, 34.
Lull, R. S. 1905 D, 445 (Megacerops).
Matthew, W. D. 1909 C, 104.

O'Harra, C. C. 1920 A, 150.
Osborn, H. F. 1902 (Allops); fig. 7 (Diploclonus).
Trouessart, E. L. 1905 A, 621.
Lower Oligocene (White River); South Dakota?

Allops crassicornis Marsh.

Hay, O. P. 1902 A, 634 (Megacerops?).
Cook, H. J. 1912 D, 34.
Matthew, W. D. 1909 C, 104.
Merrill, G. P. 1907 A, 21.
O'Harra, C. C. 1920 A, 150.
Osborn, H. F. 1902 B, 102.
Trouessart, E. L. 1905 A, 621.
Lower Oligocene (White River); South Dakota?

Allops serotinus Marsh.

Hay, O. P. 1902 A, 634 (Megacerops?).
Cook, H. J. 1912 D, 34 (A. scrotinus).
Matthew, W. D. 1909 C, 104.
Merrill, G. P. 1907 A, 21.
O'Harra, C. C. 1920 A, 150.
Osborn, H. F. 1902 B, 102.
Trouessart, E. L. 1905 A, 621.
Lower Oligocene (White River); South Dakota

Allops walcotti Osborn.

Osborn, H. F. 1916 A, 721, fig. 1.
Lower Oligocene (White River); South Dakota?

TELEODUS Marsh. Type *T. avus* Marsh.

Hay, O. P. 1902 A, 638.
Arldt, T. 1907 D, 253.
Palmer, T. S. 1904 A, 667, 942.
Schlosser, M. 1899 S, 321.

Teleodus avus Marsh.

Hay, O. P. 1902 A, 638.
Lambe, L. M. 1908 A, 49 (Megacerops).
Osborn, H. F. 1902 B, 99 (Megacerops).
Palacký, J. 1903 B, 311 (Diplacodus avus).
Oligocene (White River); South Dakota.

MEGACEROPS Leidy. Type *M. coloradensis* Leidy.

Hay, O. P. 1902 A, 633.
Abel, O. 1913 B, 755a.
Gaudry, A. 1893 A, 24 (Brontops).
Hatcher, J. B. 1901 B, 256, pls. vii, viii; text-fig. 1 (Titanotherium).
Haug, E. 1911 A, 1528.
Hutchinson, H. N. 1910 A, 261, pl. xlii (Brontops).
Kingsley, J. S. 1925 A, 287, fig. 310.
Lull, R. S. 1905 B, 419, figs. 1-3.
Lydekker, R. 1882 B, 101.
Matthew, W. D. 1909 C, 111.
O'Harra, C. C. 1910 A, 99.
1920 A, 178, pls. xii, xviii.
Osborn, H. F. 1902 B, 92, 93, 97, fig. 1.
1902 F, 626.
1904 F.
1905 H, 224, fig. 7.
1905 I, pl. iv, fig. 1; pl. v, fig. 1.
1910 B, 212, 556, fig. 100.
1914 B, 405 [M. (= Symborodon), Diploclonus].
1914 C, 406 (Brontops).
1925 E, 1 (Brontops).
Palmer, T. S. 1904 A, 146, 941 (Brontops); 403, 942 (Megacerops).
Schlosser, M. 1899 S, 321 (Diploclonus, Brontops).
Trouessart, E. L. 1905 A, 620.
Wallace, A. R. 1876 A, I, 137.
Zittel and Schlosser 1923 A, 552 (Brontops).

Megacerops angustigenis (Cope).

Hay, O. P. 1902 A, 633.
Lambe, L. M. 1904 C, 28, 38, 50.
1908 A, 10, 45, 50, 52, text-figs. 1-6 (M. angustidens); 10, 48, figs. 9, 10 (M. syceras).
Matthew, W. D. 1909 C, 104.
Osborn, H. F. 1902 B, 99.
Trouessart, E. L. 1905 A, 621.
Lower Oligocene (Swift Current Creek); Canada.

Megacerops assiniboiensis Lambe.

Lambe, L. M. 1908 A, 11, 51, pl. v, fig. 6; pl. vi, fig. 3; text-figs. 12, 13.
Oligocene (Cypress Hills); Saskatchewan.

Megacerops bicornutus Osborn.

Osborn, H. F. 1902 B, 99, fig. 5.
Abel, O. 1912 F, 580, fig. 450.
1919 A, 871, fig. 666.
Cook, H. J. 1912 D, 34.
Lull, R. S. 1905 D, 445.
Matthew, W. D. 1909 C, 104.
Trouessart, E. L. 1905 A, 621.
Lower Oligocene (Chadron); Nebraska.

Megacerops brachycephalus Osborn.

Osborn, H. F. 1902 A, 97, figs. 3, 4.
Cook, H. J. 1912 D, 34.
Matthew, W. D. 1909 C, 104.
O'Harra, C. C. 1920 A, 150.
Osborn, H. F. 1925 E, 5, 8 (Brontops).
Trouessart, E. L. 1905 A, 620.
Lower Oligocene (Chadron); Nebraska.

Megacerops coloradensis Leidy.

Hay, O. P. 1902 A, 633.
Cannon, G. L. 1894 B, 232 (Megaceratops coloradoensis).
Cope, E. D. 1873 FF, 1 ("Megaceratops").
Knowlton, F. H. 1922 A, 20.
Lambe, L. M. 1904 C, 28, 38, 50.
Matthew, W. D. 1909 C, 104.
Osborn, H. F. 1902 B, 99.
Peale, A. C. 1876 A, 150 (Megaceratops coloradoensis).

Trouessart, E. L. 1905 A, 621.
Lower Oligocene (White River); Colorado, Canada.

Megacerops dispar (Marsh).

Hay, O. P. 1902 A, 634.
Abel, O. 1912 F, 59, fig. 21.
Cook, H. J. 1912 D, 34.
Hatcher, J. B. 1902 A, 347, pls. xvi-xviii.
Matthew, W. D. 1909 C, 104.
Merrill, G. P. 1907 A, 26 (Brontops dispar, B. validus); 45 (M. dispar, M. brachycephalus).
O'Harra, C. C. 1910 A, 102.
1920 A, 149.
Osborn, H. F. 1902 B, 98 (Brontops validus a syn.).
1925 E, 1 (Brontops brachycephalus).
Peterson, O. A. 1924 A, 414, 416, 422 (Brontops).
Trouessart, E. L. 1905 A, 621.
Zittel and Schlosser 1911 A, 466, fig. 649 (Titanotherium).
1923 A, 553, fig. 688.
Lower Oligocene (White River); South Dakota, Nebraska.

Megacerops marshi Osborn.

Osborn, H. F. 1902 B, 100, fig. 6.
Abel, O. 1913 B, 755a, fig. 107.
Cook, H. J. 1912 D, 34.
Matthew, W. D. 1909 C, 104.
O'Harra, C. C. 1920 A, 111, 150, fig. 49.
Trouessart, E. L. 1904 A, 621.
Lower Oligocene (Chadron); Nebraska.

Megacerops primitivus Lambe.

Lambe, L. M. 1908 A, 11, 49, pl. vi, figs. 4, 5.
Lower Oligocene (Cypress Hills); Saskatchewan.

Megacerops riggsi Osborn.

Osborn, H. F. 1916 A, 723, fig. 2.
Lower Oligocene (White River); Colorado.

Megacerops robustus Marsh.

Hay, O. P. 1902 A, 635 (Brontotherium).
Abel, O. 1914 A, 256, fig. 230.
1919 A, 870, fig. 665.
1920 A, 452, fig. 691.
1922 C, 182, fig. 147.
Beddard, F. E. 1902 A, 264 (Titanotherium).
Boule, M. 1891 A, 35, fig. 11 (Brontops).
1902 B, 911, fig. 19 (Brontops).
Cooke, H. J. 1912 D, 34.
Dollo, L. 1889 C, 678 (Brontops).
Gaudry, A. 1906 A, 13, fig. 21 (Titanotherium).
Knipe, H. R. 1912 A, 141, fig. (Titanotherium).
Lankester, E. R. 1905 A, 145, fig. 101 (Titanotherium).
Lull, R. S. 1917 F, 214 (Brontotherium, Brontops).
Matthew, W. D. 1909 C, 104.
Moodie, R. L. 1917 B, 384, fig. 7 (Titanotherium).
1918 C, 279 (Titanotherium).
1923 B, 125, pl. xx (Titanotherium).
O'Harra, C. C. 1910 A, 101, pl. xxxv.
1920 A, 113, 150, fig. 52.
Osborn, H. F. 1899 K, 273, fig. 2 (Titanotherium).
1902 B, 101.
1904 F, 24 ("Brontotherium sp." This species?).
Osborn and Wortmann 1895 A, 346, pls. viii, ix; text-figs. 1-3 (Titanotherium. This species?).
Schlosser, M. 1898 C, 372 (Titanotherium); 373 (Brontops).
Schuchert and Levene 1927 A, 348 (Brontops).
Scott, W. B. 1913 A, 309, fig. 160 (Titanotherium).
Trouessart, E. L. 1905 A, 621.
Williams, H. S. 1897 A, 679, fig. ("titanotherium").
Woodward, A. S. 1898 B, 331, fig. 190 (Titanotherium).
1923 C, 30, fig. 12 (Titanotherium).
Zittel and Schlosser 1911 A, 466, fig. 648 (Titanotherium).
1923 A, 552, fig. 687 (Brontops).
Lower Oligocene (Chadron); South Dakota, Nebraska.

Megacerops? selwynianus Cope.

Hay, O. P. 1902 A, 635 (Brontotherium?).
Lambe, L. M. 1904 C, 28 (Menodus); 38, 50 (Megacerops).
1908 A, 10, 47, text-figs. 7, 8.
Matthew, W. D. 1909 C, 104.
Osborn, H. F. 1902 B, 99.
Trouessart, E. L. 1905 A, 621.
Lower Oligocene (Cypress Hills); Saskatchewan.

Megacerops tichoceras Scott and Osborn.

Hay, O. P. 1902 A, 635 (Brontotherium).
Cook, H. J. 1912 D, 34.
Matthew, W. D. 1909 C, 104.
O'Harra, C. C. 1920 A, 150.
Osborn, H. F. 1902 B, 99.
Trouessart, E. L. 1905 A, 621.
Lower Oligocene (Chadron); South Dakota.

Megacerops tyleri Lull.

Lull, R. S. 1905 D, 445, pls. iii, iv; text-figs. 1, 2.
Lower Oligocene (White River); South Dakota.

Brontotherium Marsh. Type *B. gigas* Marsh.

Hay, O. P. 1902 A, 634.
Abel, O. 1913 B, 755a.
Arldt, T. 1907 D, 253.
Boule, M. 1891 A, 34.
1902 B, 911.
Christman, E. S. 1921 A, 620, fig.
Delafontaine, M. 1875 A, 174.
Dollo, L. 1889 C, 679 (Brontotherium, Brontops).
Gregory, W. K. 1912 F, 285.
1921 B, 620, figs.
Haug, E. 1911 A, 1528.

Heilprin, A. 1887 A, 372.
Hoernes, R. 1886 A, 668.
Leche, W. 1887 A.
Lull, R. S. 1926 A, 461.
Lydekker, R. 1915 C, 621, fig. 2.
Matthew, W. D. 1909 C, 111.
O'Harra, C. C. 1910 A, 99, pl. xxxix.
Osborn, H. F. 1902 B, 92, 93, 94, 104, fig. 1.
1902 F, 626.
1905 H, 224, fig. 4.
1905 I, pl. iv, fig. 4; pl. v, fig. 4.
1907 G, 179, fig. 171.
1910 B, 209, 212, 213, 215, 556, fig. 100.
1912 B, 261, fig. 4.
1912 L, 187, fig. 4.
1914 B, 405.
1914 C, 406.
1915 B, 212, fig. 4.
1917 B, 263, 264, 270, fig.
Peterson, O. A. 1924 A, 416, 422 (Brontops).
Schlosser, M. 1898 C, 373 (Titanops).
Schuchert and Levene 1927 A, 347.
Trouessart, E. L. 1905 A, 622.
Wallace, A. R. 1876 A, 137.
Wasmuth, P. 1905 A, 63 (Brontops).

Brontotherium bucco (Cope).

Hay, O. P. 1902 A, 634.
Matthew, W. D. 1901 B, 356 (Symborodon).
1909 C, 104.
Osborn, H. F. 1902 B, 107.
Trouessart, E. L. 1905 A, 622.
Oligocene (Lower); Colorado.

Brontotherium curtum (Marsh).

Hay, O. P. 1902 A, 634.
Cook, H. J. 1912 D, 35.
Matthew, W. D. 1909 C, 104.
Merrill, G. P. 1907 A, 62 (Titanops).
Osborn, H. F. 1902 B, 107 (Menodus peltoceras a syn.).
Trouessart, E. L. 1905 A, 622.
Oligocene (Lower); Colorado; (Chadron); Nebraska.

Brontotherium dolichoceras (Scott and Osborn).

Hay, O. P. 1902 A, 634.
Cook, H. J. 1912 D, 35.
Matthew, W. D. 1909 C, 104.
O'Harra, C. C. 1920 A, 150.
Osborn, H. F. 1902 B, 107 (Titanops medius a syn.).
Trouessart, E. L. 1905 A, 622.
Lower Oligocene (Chadron); Nebraska.

Brontotherium gigas Marsh.

Hay, O. P. 1902 A, 635.
Beddard, F. E. 1902 A, 265, fig. 137 (Titanotherium elatum).
Cook, H. J. 1912 D, 35.
Cooper, C. F. 1923 A, 49, 50, figs. 14, 24.
Matthew, W. D. 1909 C, 104.
O'Harra, C. C. 1910 A, 102, pl. xl.
1920 A, 112, fig. 51 (Titanotherium elatum).
Osborn, H. F. 1902 B, 107 (Titanops elatus a syn.).
1910 B, 209, fig. 97.
Scott, W. B. 1913 A, 311, fig. 162 (Tit. elatum).
Sternberg, C. H. 1913 A, 45.
Trouessart, E. L. 1905 A, 622.
Weber and Abel 1928 A, 673, fig. 459.
Oligocene (Lower); Colorado: (Chadron); Nebraska.

Brontotherium hatcheri Osborn.

Osborn, H. F. 1908 A, 615, fig. 20.
Gilmore, C. W. 1921 F, 66 ("Brontotherium").
O'Harra, C. C. 1920 A, 150.
Lower Eocene (Titanotherium); South Dakota.

Brontotherium hypoceras (Cope).

Hay, O. P. 1902 A, 635.
Matthew, W. D. 1901 B, 356 (Symborodon).
1909 C, 104.
Merrill, G. P. 1907 A, 26.
Osborn, H. F. 1902 B, 105 (Symborodon); 106 figs. 11-13 (Brontotherium).
Trouessart, E. L. 1905 A, 622.
Lower Oligocene (White River); Colorado.

Brontotherium leidyi Osborn.

Osborn, H. F. 1902 B, 105, figs. 9, 10, 12, 13.
Cook, H. J. 1912 D, 35.
Matthew, W. D. 1909 C, 104.
Merrill, G. P. 1907 A, 26 (B. leidyi); 46 (Menops varians).
O'Harra, C. C. 1920 A, 150.
Trouessart, E. L. 1905 A, 622.
Lower Oligocene (Chadron); South Dakota, Nebraska.

Brontotherium medium (Marsh).

Hay, O. P. 1902 A, 635.
Merrill, G. P. 1907 A, 62 (Titanops).
Trouessart, E. L. 1905 A, 622 (Syn. of B. dolichoceras).
Lower Oligocene (White River); South Dakota.

Brontotherium? orphryas (Cope).

Hay, O. P. 1902 A, 635.
Trouessart, E. L. 1905 A, 622 (Miobasileus).
Lower Oligocene (White River); Colorado.

Brontotherium platyceras (Scott and Osborn).

Hay, O. P. 1902 A, 635.
Beddard, F. E. 1902 A, 265, fig. 137 (Titanotherium).
Cook, H. J. 1912 D, 35 (B. platycerus).
Gregory, W. K. 1912 E, 17, fig.
Matthew, W. D. 1909 C, 104.
O'Harra, C. C. 1921 A, 111, fig. 50.
Osborn, H. F. 1902 B, 108.
1904 F, 21.
Weber and Abel 1928 A, 686, fig. 473 (Titanotherium platiceras).

Trouessart, E. L. 1905 A, 622.
Lower Oligocene (Chadron); South Dakota, Nebraska.

Brontotherium ramosum (Osborn).

Hay, O. P. 1902 A, 635.
Cook, H. J. 1912 D, 35.
Matthew, W. D. 1909 C, 104.
O'Harra, C. C. 1920 A, 150.
Osborn, H. F. 1902 B, 108.
Trouessart, E. L. 1905 A, 622.
Lower Oligocene (Chadron); South Dakota, Nebraska.

Brontotherium sp. indet.

Figgins, J. D. 1925 A, 19, pl. Lower Oligocene; Colorado.

Superfamily TAPIROIDÆ, new name.

Unless otherwise indicated the authors, as quoted, use the name Tapiroidea.
Hay, O. P. 1902 A, 624.
Case, E. C. 1898 C, 833.
1899 B, 166.
Gill, T. 1872 B, 12 (Tapiroidea); 86 (Lophiodontoidea).
Gregory, W. K. 1920 A, 247.
Gidley, J. W. 1912 B, 179.
Haeckel, E. 1873 A, 554 (Tapiromorpha).
Hay, O. P. 1914 A, 209.
Osborn, H. F. 1910 B, 556.
Schlosser, M. 1901 B, 300.
Weber, M. 1904 A, 615, 624.
Weber and Abel 1928 A, 426, 659.
Winge, H. 1906 A, 71, 158 (Tapiridæ).

HELALETIDÆ Osborn.

Osborn, H. F. in Osborn and Wortman 1892 A, 127.
Inasmuch as the genera listed below are by some writers referred to the Lophiodontidæ, by others to the Helaletidæ, citations are made to the literature of both families.
Hay, O. P. 1902 A, 624 (Lophiodontidæ).
Abel, O. 1913 B, 730, 753a (Lophiodontinæ).
1914 A, 236 (Lophiodontinæ).
Ameghino, F. 1906 A, 326 (Lophiodontidæ).
1911 A, 23 ("lophiodontidés").
Arldt, T. 1912 A, 700 (Lophiodontidæ).
Beddard, F. E. 1902 A, 247 (Lophiodontidæ); 250 (Lophiodontinæ).
Case, E. C. 1899 B, 168 (Lophiodontidæ).
Chardin, T. 1922 A, 74 ("lophiodontidés").
Cuvier, G. 1825 A, II, 165-222, pls. i-xi (Lophiodon).
Depéret, C. 1904 B, 40 ("Helalétidés").
1911 A, 558 ("lophiodontidés").
1912 B, 769 ("lophiodontidés").
Gill, T. 1872 B, 12, 86 (Lophiodontidæ).
Holland and Peterson 1913 A, 201, 203 (Schizotheriinæ).
Matthew, W. D. 1909 C, 94, 98, 102, 104, 105, 111 (Lophiodontidæ).
1909 D, 301 (Lophiodontidæ).
Matthew, W. D. 1914 B, 387 (Lophiodontidæ).
1915 A, 240 (Lophiodontidæ).
1921 D, 214 (Lophiodontidæ).
Matthew and Granger 1925 C, 4 (Helaletidæ).
1925 F, 1, 5 (Helaletidæ, Lophiodontidæ).
O'Harra, C. C. 1910 A, 92 (Lophiodontidæ).
Osborn, H. F. 1902 E, 359 (Lophiodontidæ); 360 (Helaletinæ).
1909 D, 41, 54 (Helaletinæ); 128 (Lophiodontidæ).
1910 B, 621 (Lophiodontidæ).
Peterson, O. A. 1919 A, 104 (Helaletidæ, Helaletinæ, Schizotheriinæ).
Sauvage, H. E. 1882 A, 105 (Lophiodontidæ).
Scharff, R. F. 1911 A, 353 (Lophiodontidæ).
Schlosser, M. 1898 C, 374 (Lophiodontidæ).
Scott, W. B. 1913 A, 280, 291, 319, 684 (Lophiodontidæ).
Trouessart, E. L. 1905 A, 630 (Lophiodontinæ).
Weber, M. 1904 A, 615, 624 (Lophiodontidæ); 624 (Helaletidæ).
Weber and Abel 1928 A, 660.
Winge, H. 1906 A, 156 (Helaletini).
Zittel and Schlosser 1911 A, 447 (Lophiodontinæ).
1923 A, 532 (Lophiodontinæ).

HEPTODON Cope. Type *Lophiodon ventorum* Cope.

Hay, O. P. 1902 A, 625.
Case, E. C. 1899 B, 168.
Chardin, T. 1922 A, 83.
Depéret, C. 1902 D, 1281.
1904 A, 580.
1904 B, 40.
1911 A, 565.
1912 B, 770.
Gregory, W. K. 1910 A, 451, 452.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 102.
1915 K, 473.
1924 E, 749.
1926 C, 170, fig. 26.
1928 B, 967, 979, fig. 15.
Osborn, H. F. 1902 E, 360.
1909 D, 38, 41, 46.
1910 B, 124, 127, 135, 557.
1912 G, 236, fig. 3.
Palmer, T. S. 1904 A, 320, 938.

Peterson, O. A. 1919 A, 103, 111, 125.
Schlosser, M. 1898 C, 374.
1899 P, 313.
1899 Q, 315.
Scott, W. B. 1913 A, 275, 291, 327.
Seeley, H. G. 1886 A, 476.
Stehlin, H. G. 1903 A, 63, 67, 151.
Trouessart, E. L. 1905 A, 630.
Troxell, E. L. 1922 C, 370.
Weber, M. 1904 A, 624.
Weber and Abel 1928 A, 660.
Winge, H. 1906 A, 156.
Wortman, J. L. 1903 A, xv, 431.
Zittel and Schlosser 1911 A, 447.
1923 A, 532, 666, 668.

Heptodon calciculus Cope.

Hay, O. P. 1902 A, 625.
Gregory, W. K. 1910 A, 393, figs. 23, 24.
Matthew, W. D. 1909 C, 94.
Osborn, H. F. 1904 F, 10.
Sinclair and Granger 1911 A, 91.
Stehlin, H. G. 1903 A, 67.
Lower Eocene (Wind River); Wyoming.

Heptodon posticus Cope.

Hay, O. P. 1902 A, 625.
Loomis, F. B. 1907 B, 357.
Matthew, W. D. 1909 C, 94.
Lower Eocene (Wasatch); Wyoming.

Heptodon singularis (Cope).

Hay, O. P. 1902 A, 625.
Matthew, W. D. 1909 C, 94.
Merrill, G. P. 1907 A, 42 (Hyrachus).
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); New Mexico.

Heptodon ventorum Cope.

Hay, O. P. 1902 A, 625.
Matthew, W. D. 1909 C, 94.
Sinclair and Granger 1911 A, 91, 108.
Stehlin, H. G. 1903 A, 67.
Lower Eocene (Wind River); Wyoming.

Heptodon sp. indet.

Douglass, E. 1903 A, 155, fig. 1.
Matthew, W. D. 1909 C, 99. Upper Eocene (Uinta); Montana.

HELALETES Marsh. Type *H. boops* Marsh.

Hay, O. P. 1902 A, 625.
Abel, O. 1922 C, 273.
Case, E. C. 1899 B, 168.
Cope, E. D. 1880 U, 154 (Tapirulus).
Depéret, C. 1904 A, 578, 580.
1904 B, 40.
1911 A, 565.
1912 B, 770.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 369.
Matthew, W. D. 1909 C, 102 (Helaletes, Dilophodon).
1915 A, 239.
1926 C, 170, fig. 26.
1928 B, 979, fig. 15.
Matthew and Granger 1925 E, 5.
1926 A, 3.
Osborn, H. F. 1910 B, 161, 557.
Palacký, J. 1903 B, 307.
Palmer, T. S. 1904 A, 313, 938.
Peterson, O. A. 1919 A, 104, 114.
Schlosser, M. 1898 C, 374.
1899 Q, 315.
Schmidt, O. 1886 A, 193.
Scott, W. B. 1913 A, 272.
Stehlin, H. G. 1903 A, 63, 65.
Terra, P. 1911 A, 313.
Trouessart, E. L. 1905 A, 631.
Troxell, E. L. 1922 C, 365.
Weber, M. 1904 A, 624.
Winge, H. 1906 A, 157.
Zittel and Schlosser 1911 A, 447.
1923 A, 532, 667.

Helaletes boops Marsh.

Hay, O. P. 1902 A, 625.
Matthew, W. D. 1909 C, 98.
Peterson, O. A. 1919 A, 104, 113, pl. xlii, figs. 1-9; pl. xliii, figs. 1-3.
Troxell, E. L. 1922 C, 365, 367, figs. 2, 3.
Middle Eocene (Bridger); Wyoming.

Helaletes nanus Marsh.

Hay, O. P. 1902 A, 626.
Matthew, W. D. 1909 C, 98.
Peterson, O. A. 1919 A, 106, 112.
Schlosser, M. 1898 C, 374.
Stehlin, H. G. 1903 A, 65.
Troxell, E. L. 1922 C, 365, 366, fig. 1.
Middle Eocene (Bridger); Wyoming.

Helaletes sp. indet.

Matthew, W. D. 1909 C, 98. Middle Eocene (Bridger); Wyoming.

DILOPHODON Scott. Type *D. minusculus* Scott.

Scott, W. B. 1883 A, 51.
Hay, O. P. 1902 A, 625 (Helaletes, in part).
Granger, W. 1909 A, 22.
Osborn, H. F. 1923 B, 1.
Palmer, T. S. 1904 A, 231, 938.
Peterson, O. A. 1919 A, 114.

Dilophodon minusculus Scott.

Hay, O. P. 1902 A, 626 (Helaletes).
Matthew, W. D. 1909 C, 98.
Osborn, H. F. 1904 F, 9.
Peterson, O. A. 1919 A, 104, 113, pl. xliv, fig. 5.
Troxell, E. L. 1922 C, 365.
Middle Eocene (Bridger); Wyoming.

EOMOROPUS Osborn. Type *Triplopus amarorum* Cope.

Osborn, H. F. 1913 B, 262, 264, figs. 5-8.
Abel, O. 1921 A, 282.
Cooper, C. F. 1922 A, 544.
Eastman, C. R. 1914 B, 689.
Gregory, W. K. 1920 A, 195.
Holland and Peterson 1913 A, 202, 204.
Lydekker, R. 1915 C, 622.
Matthew, W. D. 1917 A, 576.
1926 C, 170, fig. 26.
1928 B, 979, fig. 15.
Peterson, O. A. 1919 A, 139.
Scott, W. B. 1913 A, 291, 357.
Zittel and Schlosser 1923 A, 554.

Eomoropus amarorum (Cope).

Hay, O. P. 1902 A, 640 (Triplopus).
Abel, O. 1920 B, 28.
Depéret, C. 1911 A, 565 (Triplopus).
1912 B, 770 (Triplopus).
Granger, W. 1909 A, 22 (Not Triplopus).
Holland and Peterson 1913 A, 216.
Matthew, W. D. 1909 C, 97 (This genus?).
Osborn, H. F. 1913 B, 261 (Triplopus); 266, figs. 1, 3-8 (Eomoropus).
Peterson, O. A. 1919 A, 139.
Schlosser, M. 1901 E, 150 (Triplopus).
Zittel and Schlosser 1923 A, 554 (Triplopus).
Middle Eocene (Washakie); Wyoming.

Eomoropus annectens Peterson.

Peterson, O. A. 1919 A, 139, pl. xxxvi, fig. 2.
Upper Eocene (Uinta); Utah.

DESMATOTHERIUM Scott. Type *D. guyotii* Scott.

Scott, W. B. 1883 A, 46.
Hay, O. P. 1902 A, 625 (Helaletes, in part).
Granger, W. 1909 A, 22.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 98.
1925 F, 1, figs. 1-3.
1926 C, 170, fig. 26.
Matthew and Granger 1924 A, 7.
1925 E, 5.
1925 F, 5.
Osborn, H. F. 1910 B, 557.
1923 B, 1.
Palmer, T. S. 1904 A, 223, 938.
Peterson, O. A. 1919 A, 127, 128.

Desmatotherium guyotii Scott.

Scott, W. B. 1883 A, 42, pl. viii.
Hay, O. P. 1902 A, 625 (Helaletes).
Matthew, W. D. 1909 C, 98.
Matthew and Granger 1925 E, 4.
1925 F, 1.
Osborn, H. F. 1904 F, 9.
1923 B, 2.
Peterson, O. A. 1919 A, 127, pl. xliv, fig. 6.
Stehlin, H. G. 1903 A, 63.
Troxell, E. L. 1922 C, 365.
Middle Eocene (Washakie); Wyoming.

COLODON Marsh. Type *C. luxatus* Marsh.

Hay, O. P. 1902 A, 626.
Case, E. C. 1899 B, 168.
Depéret, C. 1904 A, 578.
1904 B, 40.
1911 A, 565.
1912 B, 770.
Douglass, E. 1905 A, 211.
Earle, C. 1898 B, 115.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1901 B, 369.
1909 C, 111.
1915 K, 420.
1917 A, 576.
1926 C, 168, 169, fig. 26.
1928 B, 979, fig. 15.
Matthew and Granger 1925 C, 5.
1925 E, 4.
Osborn, H. F. 1902 E, 361.
1910 B, 16, 213, 220, 223, 557.
Palacký, J. 1903 B, 307, 311.
Palmer, T. S. 1904 A, 196, 938.
Peterson, O. A. 1919 A, 115, 126.
Schlosser, M. 1898 C, 374, 375.
1899 P, 313.
1899 Q, 315, 316.
Scott, W. B. 1913 A, 257, 326.
Sinclair, W. J. 1924 A, 121.
Stehlin, H. G. 1903 A, 63, 64.
Trouessart, E. L. 1905 A, 633 (Mesotapirus).
Weber, M. 1904 A, 624.
Weber and Abel 1928 A, 660.
Winge, H. 1906 A, 157.
Zittel and Schlosser 1911 A, 448.
1923 A, 532, 670.

Colodon cingulatus Douglass.

Douglass, E. 1901 B, 243, 255.
1903 A, 150.
Matthew, W. D. 1909 C, 105.
Trouessart, E. L. 1905 A, 633 (C. angulatus).
Middle Oligocene (White River); Montana.

Colodon copei (Osborn and Wortman).

Hay, O. P. 1902 A, 614 (Miohippus).
Ameghino, F. 1904 A, 152 (Mesohippus).
O'Harra, C. C. 1920 A, 154.
Osborn, H. F. 1904 B, 168, 177 (Colodon, pelvis).
1918 A, 37, 50.
Schlosser, M. 1899 R, 317 (Mesohippus).
Veith, A. 1912 A, 12 (Mesohippus).
Oligocene (White River); South Dakota.

Colodon dakotensis Osborn and Wortman.

Hay, O. P. 1902 A, 626.
Cook, H. J. 1912 D, 37.
Matthew, W. D. 1909 C, 105.
Osborn, H. F. 1904 F, 10.
Peterson, O. A. 1920 A, 402, 435 (Cænopus).
Schlosser, M. 1898 C, 375.
1899 Q, 315.

Sinclair, W. J. 1924 A, 102.
Trouessart, E. L. 1905 A, 633 (Mesotapirus).
Middle Oligocene (Brule); South Dakota, Nebraska.

Colodon longipes Osborn and Wortman.

Hay, O. P. 1902 A, 626.
Cook, H. J. 1912 D, 37.
Matthew, W. D. 1909 C, 105.
Osborn, H. F. 1904 B, 168, 176.
Peterson, O. A. 1919 A, 115.
Schlosser, M. 1898 C, 375.
Trouessart, E. L. 1905 A, 633 (Mesotapirus).
Middle Oligocene (Brule); South Dakota, Nebraska.

Colodon luxatus Marsh.

Hay, O. P. 1902 A, 626.
Oligocene (White River); South Dakota.

Colodon occidentalis (Leidy).

Hay, O. P. 1902 A, 626.
Cook, H. J. 1912 D, 34 (Colodon [Mesatapirus)].
Matthew, W. D. 1909 C, 104.
Matthew and Granger 1925 E, 4.
Merriam and Sinclair 1907 A, 186 (This genus and species?).
O'Harra, C. C. 1910 A, 92.
1920 A, 149.
Osborn, H. F. 1904 F, 10.
Schlosser, M. 1898 C, 375.
1899 Q, 315.
Sinclair, W. J. 1901 A, 702 (Lophiodon oregonensis).
1924 A, 102, 121, fig. 7.
Stehlin, H. G. 1905 A, 577.
Trouessart, E. L. 1905 A, 633 (Mesotapirus).
Oligocene (Lower); South Dakota, Montana?: (John Day); Oregon: (Chadron); Nebraska.

Colodon procuspidatus Osborn and Wortman.

Hay, O. P. 1902 A, 626.
Cook, H. J. 1912 D, 37.
Douglass, E. 1901 B, 255.
Matthew, W. D. 1909 C, 105.
O'Harra, C. C. 1920 A, 152 [C. (Mesotapirus)].
Schlosser, M. 1898 C, 375.
Sinclair, W. J. 1924 A, 121.
Trouessart, E. L. 1905 A, 633 (Mesotapirus).
Middle Oligocene (Brule); South Dakota, Nebraska.

HOMOGALAXINÆ Peterson.

Peterson, O. A. 1919 A, 116.

Homogalax Hay. Type *Systemodon primævus* Wortman.

Unless otherwise indicated the authors, as quoted, use for this genus the name *Systemodon.*
Hay, O. P. 1902 A, 627 (Homogalax).
Ameghino, F. 1911 A, 23 (Sistemodon).
Arldt, T. 1907 D, 260.
Beddard, F. E. 1902 A, 250.
Bensley, B. A. 1901 C, 252.
Depéret, C. 1902 C, 345.
1904 B, 37.
Granger, W. 1914 A, 203.
Gregory, W. K. 1920 A, 195.
1927 J, 444, figs. 1, 2.
Haug, E. 1911 A, 1528.
Lydekker, R. 1903 D, 124.
1908 A, 507 (Homogalax).
Matthew, W. D. 1909 C, 102.
1915 K, 421, 473.
1924 E, 749.
1926 C, 153.
1928 B, 964, 967, 979, figs. 10, 15.
Osborn, H. F. 1907 G, 162, figs. 135, 172, 173.
1909 D, 38.
1910 B, 127, 556.
1912 G, 236, fig. 3.
Palacký, J. 1903 B, 306.
Palmer, T. S. 1904 A, 331, 941 (Homogalax).
Peterson, O. A. 1919 A, 103, 115, 125 (Homogalax).
Scharff, R. F. 1911 A, 228, 353.
Schlosser, M. 1899 Q, 315.
1902 J, 242.
Scott, W. B. 1913 A, 280, 324.
Stehlin, H. G. 1903 A, 68, 151.
Trouessart, E. L. 1905 A, 632 (Homogalax).
Troxell, E. L. 1922 B, 288 (Homogalax).
Winge, H. 1906 A, 157.
Wood, H. E. 1923 A, 600 (Homogalax).
1927 B, 13.
Woodward, A. S. 1898 B, 322.
Zittel and Schlosser 1911 A, 448.
1923 A, 533, 666 (Systemodon); 544 (Syn. of Orohippus).

Homogalax bridgerensis Troxell.

Troxell, E. L. 1922 B, 289, figs. 1-3.
Middle Eocene (Bridger); Wyoming.

Homogalax primævus (Wortman).

Hay, O. P. 1902 A, 627.
Loomis, F. B. 1907 B, 357 (Systemodon).
Matthew, W. D. 1909 C, 94 (Systemodon).
Osborn, H. F. 1904 F, 11 (Systemodon).
1907 G, 162, fig. 173 (Systemodon).
Stehlin, H. G. 1903 A, 68 (Systemodon).
Troxell, E. L. 1922 B, 289, 292.
Lower Eocene (Wasatch); Wyoming.

Homogalax protapirinus (Wortman).

Hay, O. P. 1902 A, 627.
Loomis, F. B. 1907 B, 357 (Systemodon).
Matthew, W. D. 1909 C, 94 (Systemodon).
Peterson, O. A. 1919 A, 118.
Stehlin, H. G. 1903 A, 68 (Systemodon).
Lower Eocene (Wasatch); Wyoming.

Homogalax semihians (Cope).

Hay, O. P. 1902 A, 627.

Loomis, F. B. 1907 B, 357 (Systemodon).
Matthew, W. D. 1909 C, 94 (Systemodon).
Osborn, H. F. 1907 G, 162, fig. 172 (This species?).
Troxell, E. L. 1922 B, 288 (Systemodon).
Lower Eocene (Wasatch); Wyoming.

Homogalax uintensis Troxell.

Troxell, E. L. 1922 B, 291, fig. 4.
Wood, H. E. 1927 B, 32.
Upper Eocene (Uinta); Utah.

ISECTOLOPHIDÆ Peterson.

Peterson, O. A. 1919 A, 115.

ISECTOLOPHINÆ Peterson.

Peterson, O. A. 1919 A, 116, 126.

PARISECTOLOPHUS Peterson. Type *Helaletes latidens* Scott and Osborn.

Peterson, O. A. 1919 A, 121.
Matthew, W. D. 1926 C, 170, fig. 26.
1928 B, 979, fig. 15.

Parisectolophus latidens (Scott and Osborn).

Hay, O. P. 1902 A, 627 (Isectolophus).
Matthew, W. D. 1909 C, 98 (Isectolophus).
Osborn, H. F. 1904 F, 9 (Isectolophus).
Peterson, O. A. 1919 A, 121, pl. xliv, figs. 2, 3.
Schlosser, M. 1899 Q, 315 (Isectolophus).
Stehlin, H. G. 1903 A, 66, 71 (Isectolophus).
Middle Eocene (Bridger); Wyoming.

ISECTOLOPHUS Scott and Osborn. Type *I. annectans* Scott and Osborn.

Hay, O. P. 1902 A, 627.
Abel, O. 1922 C, 273.
Ameghino, F. 1911 A, 23.
Beddard, F. E. 1902 A, 250.
Depéret, C. 1902 C, 345.
1904 A, 580.
1904 B, 37.
Earle, C. 1898 B, 115.
Gregory, W. K. 1920 A, 195.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 102.
1909 D, 304.
1915 A, 239.
1926 C, 170, fig. 26.
1928 B, 979, fig. 15.
Matthew and Granger 1925 E, 5.
Osborn, H. F. 1910 B, 164, 170, 556.
Palacký, J. 1903 B, 306, 311.
Palmer, T. S. 1904 A, 352, 941.
Peterson, O. A. 1919 A, 104, 109, 116, 118, 121, 124.
Scharff, R. F. 1911 A, 353.
Schlosser, M. 1899 Q, 315.
Scott, W. B. 1913 A, 291.
Stehlin, H. G. 1903 A, 63, 66.
Trouessart, E. L. 1905 A, 633.
Zittel and Schlosser 1911 A, 448.
1923 A, 533, 667, 669.

Isectolophus annectens Scott and Osborn.

Hay, O. P. 1902 A, 627.
Matthew, W. D. 1909 C, 99.
Osborn, H. F. 1904 F, 9.
Peterson, O. A. 1919 A, 109, 116, pl. xliv, fig. 1; text-fig. 17.
Schlosser, M. 1899 Q, 316.
Stehlin, H. G. 1903 A, 63, 66.
Upper Eocene (Uinta); Utah.

Isectolophus scotti Peterson.

Peterson, O. A. 1919 A, 117, 120, pl. xxxiv, fig. 4.
Upper Eocene (Uinta); Utah.

SCHIZOLOPHODON. Type *Schizolophodon cuspidens* Peterson.

Peterson, O. A. 1919 A, 115, 122.

Schizolophodon cuspidens Peterson.

Peterson, O. A. 1919 A, 122, pl. xliv, fig. 4.
Upper Eocene (Uinta); Utah.

TAPIRIDÆ Gray.

Gray, J. E. 1821 A, 306 (Taperidæ).
Hay, O. P. 1902 A, 626.
Abel, O. 1912 F, 232 ("tapire").
1913 B, 729, 730, 753.
1914 A, 236.
1919 A, 854.
1920 A, 451 ("tapire").
1922 C, 273 ("tapire").
Ameghino, F. 1889 A, 1025.
1911 A, 23 ("tapiridés").
Anderson, R. J. 1912 D, 253.
Arldt, T. 1907 D, 684.
1911 A, 222 ("tapire").
1912 A, 700.
Beddard, F. E. 1902 A, 250.
Bonaparte, C. L. 1832 A, 293 (Tapirina).
Burmeister, H. 1879 B, 484.
Carus, V. 1875 A, 161 (Tapirina).
Case, E. C. 1899 B, 167.
Cope, E. D. 1880 U, 152.
1887 N, 994 (Protapirinæ).
Cuvier, F. 1825 A, 216 ("tapirs").

Cuvier, G. 1805 A ("tapirs").
1825 A, II, 145-175, pls. i-v ("tapirs").
Depéret, C. 1902 A, 323 ("tapirs").
1902 C, 345 ("tapirs").
1904 B, 24 ("tapiridés").
1905 A, 1518 ("tapiridés").
1906 A, 619 ("tapiridés").
1906 B, 1120 ("tapiridés").
1908 A, 169, 303.
1909 A, 141 ("tapiridés").
1911 A, 577 ("tapiridés").
1912 A, 708 ("tapiridés").
Doran, A. H. G. 1878 A, 420, pl. lxi.
Earle, C. 1898 B, 115 ("tapiroids").
Flower, W. H. 1892 A, 46.
Frassetto, F. 1903 A, 310.
Gadow, H. 1916 A, 545 ("tapirs").
Gaudry, A. 1902 A, 344 ("tapiridés").
Gervais, P. 1859 A, 102 ("tapiridés").
Ghigi, A. 1900 B, 100 ("tapiri").
Gill, T. N. 1885 B, 21.
Gray, J. E. 1869 A, 252.
Gregory, W. K. 1927 A, 601 ("tapirs").
1927 F, 392 ("tapirs").
1927 J, 440, 445, figs. 1, 2 ("tapirs")
Hay, O. P. 1912 D, 589.
1923 A, 5, 203, 312.
1924 D, 384.
1927 E, 77 ("tapirs").
Hescheler, K. 1906 A, 31 ("tapirs").
Hoernes, R. 1886 A, 666.
Hogben, L. T. 1919 A, 75.
Huxley, T. H. 1870 F, 542.
Jacobi, A. 1921 A, 200 ("tapir").
Kampfen, P. N. 1905 A, 578.
Knottnerus-Meyer, T. 1907 A, 5, 97, 102.
Lavocat, A. 1885 A, 48 ("tapirs").
Leunis and Ludwig 1883 A, 273 (Tapirina).
Lobley, J. L. 1908 A, 204.
Lull, R. S. 1918 C, 136 ("tapirs").
Lydekker, R. 1903 D, 123 ("tapirs").
1907 B, 5.
1916 A, 39.
Matthew, W. D. 1909 C, 136.
1909 D, 302.
1910 H, 477 ("tapirs").
1913 B, 291.
1914 B, 387.
Matthew, W. D. 1914 G, 234.
1915 A, 238, fig. 19.
1915 K, 449, fig. 17 ("tapirs").
1921 D, 214.
1926 C, 168, 170, fig. 26 ("tapirs").
1928 B, 968, 980 ("tapirs").
O'Harra, C. C. 1910 A, 92, 127.
1920 A, 99.
Osborn, H. F. 1905 I, 107.
1906 C, 776.
1907 G, 86, 176, 180 ("tapirs").
1909 D, 136.
1910 B, 505, 633.
1924 K, 275 ("tapirs").
Palacký, J. 1903 B, 310 ("tapiriden").
Palmer, T. S. 1904 A, 773, 941.
Pictet, F. J. 1853 A, 301 ("tapiroides").
Puccioni, N. 1908 A, 49 ("tapiri").
Reynolds, S. H. 1897 A, 429.
Scharff, R. F. 1911 A, 228, 352.
Schlosser, M. 1899 P, 313 ("tapirs").
1899 Q, 314 ("tapirs").
1911 A, 165 ("tapirs").
Schwarz, E. 1924 A, 420 ("tapirs").
Scott, W. B. 1896 D, 57, 59 ("tapirs").
1913 A, 291, 319, 691.
1916 A, 117 ("tapirs").
1917 A, 123, 134 ("tapirs").
1928 A, 330 ("tapirs").
Sellards, E. H. 1918 A, 58.
Stehlin, H. G. 1903 A, 152 ("tapiriden").
1916 B, 1531 ("tapiriden").
Terra, P. 1911 A, 313.
Thomas, O. 1914 A, 417 ("tapirs").
Tornier, G. 1888 A, 303 ("tapiriden").
Trouessart, E. L. 1892 A, 188.
1905 A, 630.
Vicq-d'Azyr, F. 1792 A, cvii (Tapiri).
Wallace, A. R. 1876 A, II, 212.
Wallisch, W. 1906 A, 310 ("tapiren").
Weber, M. 1904 A, 611, 615, 624.
Weber and Abel 1928 A, 426, 650, 651, 659.
Winge, H. 1906 A, 71, 158 (Tapirini).
Wright, G. F. 1908 A, 34 ("tapirs").
Wright, R. R. 1883 A, 235.
Zittel and Schlosser 1911 A, 446.
1923 A, 530, 602, 667.

TAPIRINÆ Gray.

Gray, J. E. 1867 A, 878.
Abel, O. 1913 B, 729, 753.
1914 A, 236.
Arldt, T. 1912 A, 746.
Beddard, F. E. 1902 A, 250.
Trouessart, E. L. 1905 A, 632.
Zittel and Schlosser 1911 A, 448.
1923 A, 533.

PROTAPIRUS Filhol. Type *P. priscus* Filhol = *P. filholi* Trouessart.

Hay, O. P. 1902 A, 627.
Abel, O. 1913 B, 753, fig. 97.
Ameghino, F. 1911 A, 19.
Depéret, C. 1904 A, 578.
1904 B, 34.
1912 A, 708.
Depéret and Douxami 1902 D, 34.
Gregory, W. K. 1920 A, 195.
Haug, E. 1911 A, 1528, 1705.
Matsumoto, H. 1921 A, 76, 88.
Matthew, W. D. 1901 B, 370.
Matthew, W. D. 1909 C, 111.
1915 A, 238.
1917 A, 576.
1928 B, 979, fig. 15.
Merriam and Sinclair 1903 A, 95.
Osborn, H. F. 1907 G, 180, figs. 174, 177.
1909 D, 68.
1910 B, 190, 223, 227, 230, 556.
1912 G, 246.
Peterson, O. A. 1919 A, 125.
Schlosser, M. 1899 Q, 314.

Scott, W. B. 1913 A, 257, 323.
Sinclair, W. J. 1901 A, 702.
Trouessart, E. L. 1905 A, 633.
Weber, M. 1904 A, 624.
Weber and Abel 1928 A, xxi, 659, fig. 448.
Winge, H. 1906 A, 157.
Zittel and Schlosser, 1911 A, 448.
1923 A, 533, 671, 672, fig. 657.

Protapirus obliquidens Wortman and Earle.

Hay, O. P. 1902 A, 627.
Cook, H. J. 1912 D, 38.
Depéret, C. 1904 B, 36.
Matthew, W. D. 1909 C, 108.
O'Harra, C. C. 1910 A, 93, 129.
1920 A, 153.
Osborn, H. F. 1904 F, 11.
Peterson, O. A. 1919 A, 125.
Schlosser, M. 1899 P, 314.
1899 Q, 314, 315.
Upper Oligocene (Brule); Nebraska, South Dakota.

Protapirus robustus Sinclair.

Sinclair, W. J. 1901 A, 703, fig. 1.
Frick, C. 1921 A, 313.
Matthew, W. D. 1909 C, 108.
Merriam and Sinclair 1907 A, 186, 191, 192.
Upper Oligocene (John Day); Oregon.

Protapirus simplex Wortman and Earle.

Hay, O. P. 1902 A, 628.
Cook, H. J. 1912 D, 37.
Matthew, W. D. 1901 B, 369.
1909 C, 106.
O'Harra, C. C. 1910 A, 93.
1920 A, 152.
Peterson, O. A. 1919 A, 125.
Schlosser, M. 1899 Q, 314, 315.
Middle Oligocene (Brule); Nebraska.

Protapirus validus Hatcher.

Hay, O. P. 1902 A, 628.
Cook, H. J. 1912 D, 38.
Depéret, C. 1904 B, 34.
Matthew, W. D. 1909 C, 108.
O'Harra, C. C. 1910 A, 93, 129.
1920 A, 153, pl. xiv.
Osborn, H. F. 1904 F, 11.
Peterson, O. A. 1919 A, 125.
Schlosser, M. 1899 Q, 314.
Scott, W. B. 1913 A, 323, 324, 325, figs. 169-171.
Upper Oligocene (Brule); South Dakota, Nebraska.

Protapirus sp. indet.

Merriam and Sinclair 1907 A, 191, 192. Oligocene (John Day); Oregon.

Tapiravus Marsh. Type *T. validus* Marsh.

Hay, O. P. 1902 A, 628.
Ameghino, F. 1911 A, 19.
Haug, E. 1911 A, 1706.
Heilprin, A. 1887 A, 369.
Matsumoto, H. 1921 A, 88.
Matthew, W. D. 1909 C, 119.
1915 A, 239, 313.
1928 B, 979, fig. 15.
Osborn, H. F. 1909 D, 78, 80.
1910 B, 299, 352, 556.
Palmer, T. S. 1904 A, 662, 941.
Schlosser, M. 1899 P, 314.
1899 Q, 315.
Schmidt, O. 1886 A, 193, fig. 31.
Scott, W. B. 1913 A, 291.
Trouessart, E. L. 1905 A, 633.
Zittel and Schlosser 1911 A, 448.
1923 A, 533.

Tapiravus rarus Marsh.

Hay, O. P. 1902 A, 628.
Matthew, W. D. 1909 C, 116.
Sinclair, W. J. 1901 A, 702.
"Lower Pliocene, east of Rocky Mountains."

Tapiravus validus Marsh.

Hay, O. P. 1902 A, 628.
Osborn, H. F. 1909 D, 20 [Protapirus (Tapiravus)].
Rhoads, S. N. 1903 A, 236.
Sinclair, W. J. 1901 A, 702.
Oligocene?; New Jersey.

Tapiravus sp. indet.

Matthew, W. D. 1901 B, 445 (This genus?); Colorado.
1909 C, 115. Miocene (Middle); Colorado.

Tanyops Marsh. Type *T. undans* Marsh.

Hay, O. P. 1902 A, 628.
Palmer, T. S. 1904 A, 661, 941.

Tanyops undans Marsh.

Hay, O. P. 1902 A, 628.
"Miocene"; South Dakota.

Tapirus Brisson. Type *Hippopotamus terrestris* Linnæus.

Hay, O. P. 1902 A, 628.
Abel, O. 1912 D, 608 ("tapir").
1912 F, 242 ("tapir").
1920 A, 451 ("tapir").
Adams, C. C. 1905 A, 54 ("tapirs").
Adloff, P. 1910 B, 232 ("tapir").
Aichel, O. 1917 A, 105, fig. 3.
1919 A, 193 ("tapir").
Alezais, — 1902 A, 586 ("tapir").
Altmann, F. 1925 A, 108.
Ameghino, F. 1885 A, 203.
1889 A, 1025.
1904 A, 8, 118, 119.
1905 A, 28.
1911 A, 1 ("tapir").
1912 B, 172 ("tapirs").

Anderson, R. J. 1902 C, 785 ("tapirs").
1909 A, 745.
Arldt, T. 1907 B, 453.
1907 D, 684.
Baird, S. F. 1876 A, 357 ("tapir").
Bayer, F. 1897 A, 147, fig. 11 ("tapir").
Beddard, F. E. 1902 A, 250.
Beyer, H. 1908 A, 99 ("tapyr").
Boule and Thevenin 1920 A, 75.
Bradley, O. C. 1904 A, 17.
Bronn, H. G. 1848 B, 1216.
1849 A, 706.
Burmeister, H. 1879 B, 485.
Case, E. C. 1899 B, 167.
Chamberlin, T. C. 1919 A, 316 ("tapirs").
Cleland, J. 1863 B, 301 ("tapir").
Cope, E. D. 1880 U, 158.
1895 G, 596.
Cuvier, F. 1825 A, 216, pl. lxxxviii ("tapirs").
Cuvier, G. 1804 C, 122.
1804 D, 132.
Dall and Harris 1892 A, 284.
Depéret, C. 1902 B, 344 ("tapir").
1904 B, 13 ("tapirs").
1909 A, 141.
Doran, A. H. G. 1878 A, 420, pl. lxi.
Eggeling, H. 1904 A, 99.
Eimer, G. H. T. 1901 A, 262 ("tapir").
Eudes-Deslongchamps, E. 1842 B, 19, pls. ii, iii.
Falconer, H. 1863 A, 63.
Fischer, E. 1903 A, 695 ("tapir").
Fischer, J. B. 1829 A, 409.
Flower, W. H. 1892 A, 48.
Foote, J. S. 1916 A, 108, pl. xii.
Frassetto, F. 1903 A, 310.
1915 A, 64.
Frech, F. 1907 A, 306 ("tapir").
Frech and Geinitz 1903 A, 36.
Gaudry, A. 1902 A, 344 ("tapir").
Gervais, P. 1852 A, 49.
1853 B, 35 ("tapir").
1859 A, 103.
Ghigi, A. 1900 A, 17.
Gidley, J. W. 1912 C, 19 ("tapirs").
Giebel, C. G. 1855 A, 77, pl. xxxiii.
1883 A, pls. xxxiv, lxviii, lxxv, lxxxii.
Goldman, E. A. 1913 A, 66.
Goodsir, J. 1857 A.
Gregory, W. K. 1912 F, 288.
1920 A, 194, fig. 171.
1920 B, 272, figs. 6, 7, 14-16.
1927 J, 449, figs. 4, 5.
Hasse and Schwarck 1870 A, 139, figs. 46-48.
Hay, O. P. 1910 D, 372 ("tapirs").
1912 B, 12, fig. 9 ("tapir").
1912 D, 590, text-figs. 36-37.
1916 E, 54 ("tapirs").
1918 B, 10.
1919 A, 311 ("tapirs").
1926 D, 359.
1926 E, 389.
1928 B, 237, 238 ("tapirs").
Heilprin, A. 1887 A, 28, 369.
Hoernes, R. 1886 A, 666.
Holland, W. J. 1912 B, 749.
Huxley, T. H. 1863 F, 580 ("tapir").
Ihering, H. 1909 A, 285 ("tapire").
Jacobi, A. 1921 A, 201, figs. 1, 6.
Kampfen, P. N. 1905 A, 578, figs. 64, 65.
Kingsley, J. S. 1925 A, 298, fig. 321.
Knottnerus-Meyer, T. 1907 A, 5, 102, fig. ("tapir").
Köstlin, O. 1844 A ("tapir").
Lankester, E. R. 1908 A, 333.
Lataste, F. 1887 A, 271 ("tapir").
Leche, W. 1887 A, pls. xciii, xcvi.
1900 A, 991.
1902 A, 43.
1921 A, 68.
Le Damany, P. 1906 B, 164 ("tapir").
Ledouble, A. F. 1906 A, 550 ("tapir").
Leunis and Ludwig 1883 A, 273.
Lydekker, R. 1916 A, 41.
Major, C. J. F. 1880 A, 23 ("tapir").
Matsumoto, H. 1921 A, 76, 88.
Matthew, W. D. 1910 G, 155.
1915 A, 239.
1917 A, 576 ("tapir").
1926 C, 166 ("tapir").
1928 B, 979, fig. 15.
Meckel, J. F. 1823 A, 6 ("tapir").
1825 A ("tapir").
Osborn, H. F. 1907 G, 180, figs. 172, 174.
1909 D, 87, 89.
1910 B, 663.
Owen, R. 1845 B, 604, pl. xcvi, figs. 4, 5.
1866 B, 449, fig. 301.
1868 A, 911.
Palacký, J. 1903 B, 310.
Palmer, T. S. 1904 A, 663, 941.
Pander and Alton 1821 B, 16, pl. x ("tapir").
Paulli, S. 1900 A, 181, figs. 1, 2.
Pictet, F. J. 1853 A, 301.
Retzius, A. 1849 A, 655.
Reynolds, S. H. 1897 A, 471, 487, 501, 508, 524, figs. 106, 110.
Rosenberg, A. 1873 A, 135 ("tapir").
Scharff, R. F. 1911 A, 153, 352.
Schlosser, M. 1902 J, 214.
Schmidt, O. 1886 A, 190.
Scott, W. B. 1913 A, 691.
Sefve, I. 1914 A, 247.
Sellards, E. H. 1914 A, 162.
Spencer, J. W. 1898 A, 27 ("tapir").
Stehlin, H. G. 1903 A, 20, 62, 152 ("tapir").
1905 A, 569, figs. 46, 49, 50, 53.
Taschenberg, O. 1899 A, 4694.
Terra, P. 1911 A, 314.
Tomes, C. S. 1878 A, 34 ("tapir").
Trouessart, E. L. 1905 A, 634.
Turner, H. N. 1850 B, 102 ("tapir").
Van den Broeck, A. J. P. 1912 A, 782.
Wallace, A. R. 1876 A, 1, 502.
Weber, M. 1904 A, 611, 624.
Weber and Abel 1928 A, 637, 640, 652, 659, figs. 434, 436, 442.
Weber and Burlet 1927 A, figs. 49, 114, 194.
Wilder, B. 1868 A, 422, pl. xi, figs. 2, 8.
1872 B, 320.
Wilson, T. 1901 A, 315 ("tapir").
Winge, H. 1906 A, 158.
Woodward, A. S. 1898 B, 321.
Wright, G. F. 1908 B, 187 ("tapir").
Wright, R. R. 1883 A, 235, figs. 122-125.

Zietzschmann, O. 1917 A, 440, pl. xxv.
Zittel and Schlosser 1911 A, 448.
1923 A, 531, 533, 681, fig. 655.

Tapirus haysii Leidy.

Hay, O. P. 1902 A, 628.
Abel, O. 1926 B, 81 (This species?).
Allen, G. M. 1926 A, 453.
Baker, F. C. 1920 A, 473.
Boule and Thevenin 1920 A, 77.
Cope, E. D. 1867 F, 138 ("tapir").
1895 G, 597.
Diener, C. 1912 A, 216.
Foster, J. W. 1869 A, 254.
Frech and Geinitz 1903 A, 36 (T. hayesi).
Frick, C. 1921 A, 313.
Gidley, J. W. 1911 A, 436.
1913 B, 96 (This species?).
1927 E, 274.
Hay, O. P. 1912 D, 590, pl. ii; text-figs. 38, 39.
1917 E, 45 (This species?).
1923 A, 497.
1924 D, 134, 155, 249.
1927 D, 313.
1928 C, 425, 428.
Lee, W. T. 1907 B, 215 (T. haysii?).
Leidy, J. 1859 J, 181 ("larger tapir").
1869 A, 391.
Loomis, F. B. 1924 C, 506.
MacCurdy, G. G. 1916 A, 61 (This species?).
Manigault, G. E. 1887 A, 130 ("tapir").
Mercer, H. C. 1894 B, 356.
1897 A, 444 ("tapir").
Merriam, J. C. 1912 C, 221.
1913 A, 171.
Osborn, H. F. 1910 B, 469, 484.
Rhoads, S. N. 1903 A, 236.
Richardson, G. B. 1907 A, 32 (T. haysii?).
1909 A, 44, fig. 8 (T. haysii?).
Ruschenberger and Tryon 1879 A, 89.
Scharff, R. F. 1911 A, 352.
Schlosser, M. 1902 H, 142.
Schmidt, E. 1872 A, 251, 254 (T. americanus. This species?).
Scott, W. B. 1913 A, 201, 322.
Sellards, E. H. 1916 B, 104 (This species?).
1916 C, 139, 149 (This species?).
1916 D, 616 (This species?).
1918 A, 59.
Shimek, B. 1902 A, 285.
Simpson, G. G. 1928 H, 2 (This species?).
Trouessart, E. L. 1905 A, 635 (Tapirella haysi).
Tuomey, M. 1848 A, 165, 166 ("tapir").
Wright, G. F. 1911 A, 282 ("tapir." This species?).

Pleistocene (Early and Middle); Indiana, Virginia, South Carolina, Georgia, Florida, Mississippi, Tennessee, Kentucky, Texas?, California?.

Tapirus haysii californicus J. C. Merriam.

Merriam, J. C. 1913 A, 170, figs. 1, 2.
Frick, C. 1921 A, 311.
Hay, O. P. 1927 D, 76, 77.
Lydekker, R. 1914 A, 636.
Sellards, E. H. 1918 A, 59, 65.

Pleistocene (Auriferous gravels); California: Pliocene (late) or Pleistocene (early); Oregon.

Tapirus merriami Frick.

Frick, C. 1921 A, 311, figs. 26-28.
Hay, O. P. 1927 D, 76, 162.

Early Pleistocene (Bautista); California.

Tapirus tarijensis Ameghino.

Ameghino, F. 1902 C, 247, pl. v, figs. 22*a*, 22*b*.
Freudenberg, W. 1922 A, 5 (This species?).
Trouessart, E. L. 1905 A, 634.

Pleistocene; Argentina, Mexico?.

Tapirus tennesseæ Hay.

Hay, O. P. 1920 B, 88, pl. iii, figs. 4-11.
1923 A, 209, 395.

Pleistocene (Middle); Tennessee.

Tapirus terrestris (Linnæus).

Hay, O. P. 1902 A, 628.
Agassiz, L. 1859 B, 186 ("tapir").
Baker, F. C. 1920 A, 274.
Boule and Thevenin 1920 A, 75.
Carpenter, W. M. 1842 A, 390, fig. ("tapir").
Cope, E. D. 1867 F, 138 ("tapir").
Deussen, A. 1924 A, 108.
Falconer, H. 1863 A, 61 (T. americanus).
Fischer, J. B. 1829 A, 409 (T. americanum).
Foster, J. W. 1869 A, 254 (T. americanus).
Haug, E. 1911 A, 1886 (T. americanus).
Hay, O. P. 1912 D, 593, text-fig. 37*a*.
1920 B, 89.
1923 A, 497.
1924 D, 155, 156 (T. americanus, T. terrestris).
1928 C, 428.
Hilgard, E. W. 1860 A, 196 (T. americanus).
Holland, J. W. 1908 A, 231 (T. americanus?).
Holmes, F. S. 1859 A, 184 ("tapir").
1860 A, iv, vi, vii ("tapir").
Leidy, J. 1859 J, 181 (T. americanus).
Lydekker, R. 1916 A, 41.
Matson and Clapp 1909 A, 136 (T. americanus).
Merriam, J. C. 1913 A, 171.
1917 A, 439.
Osborn, H. F. 1910 B, 633 ("Tapirus").
Peterson, O. A. 1926 A, 273 (This species?).
Ruschenberger and Tryon 1879 A, 11, 89 (T. americanus).
Scott, W. B. 1913 A, 691.
Sellards, E. H. 1916 B, 94.
Shimek, B. 1902 A, 285 (T. americanus).
Spencer, J. W. 1895 A, 137 (T. americanus).
Whittlesey, C. 1866 A, 16 ("pachyderm").

Recent; northern South America.

It is doubtful that the tapir remains which have been found in many localities in North America and identified as *Tapirus terrestris* and *T. americanus* really belong there.

Tapirus veroensis Sellards.

Sellards, E. H. 1918 A, 57, pls. i-iv.
Hay, O. P. 1920 B, 89.
1923 A, 497.
1927 C, 281 ("tapirs").

Sellards, E. H. 1916 F, 9 (T. haysii?).
1917 E, 198 ("tapir").
Pleistocene (Early); Florida.

Tapirus sp. indet.

Agassiz, L. 1851 B, 179 ("pachyderm"). Ohio.
Bancroft, H. H. 1875 A, 701. California.
Chamberlin, R. T. 1916 A, 35. Pleistocene; Florida.
1917 A, 675. Pleistocene; Florida.
Freudenberg, W. 1910 A, 6 (198) ("tapir"). Pleistocene; Mexico.
1921 A, 17, 38. Pleistocene; Mexico.
Frick, C. 1926 A, 106 (This genus?). Miocene (Pawnee Creek); Colorado.
Gidley, J. W. 1928 B, 16 ("tapir"). Pleistocene; Florida.
Hay, O. P. 1923 A, 497.
1924 D, 384. Pleistocene; Louisiana, Oklahoma, Texas.
Hay, O. P. 1927 D, 313. Pleistocene; California.
Holmes, W. H. 1901 A, 423. Pleistocene; California.
Loomis, F. B. 1925 D, 436 ("tapir"). Pleistocene; Florida.
1926 B, 262. Pleistocene; Florida.
Mercer, H. C. 1896 A. Pleistocene; Tennessee.
Moore, C. 1905 A, 34. Pleistocene; Tennessee.
Osborn, H. F. 1925 D, 531 (This genus?). Pleistocene (La Brea); California.
Sellards, E. H. 1916 E, 15, 16. Pleistocene; Florida.
1917 A, 250. Pleistocene; Florida.
Sinclair, W. J. 1903 A, 711.
1904 B, 149.
1908 A, 112.
Stock, C. 1925 A, 30 (This genus??). Pleistocene (La Brea); California.
Troxell, E. L. 1917 C, 212.
Whitney, J. D. 1865 A, 252 ("tapir").

Superfamily RHINOCEROTOIDÆ, new name.

The writers, as quoted, employ the form Rhinocerotoidea.
Hay, O. P. 1902 A, 638.
Abel, O. 1910 E, 3.
Case, E. C. 1898 C, 833.
Cope, E. D. 1891 N, 86 (Rhinocerontoidea).
Cossmann, M. 1899 A, 81.
Gidley, J. W. 1912 B, 179.
Gill, T. 1872 B, 12, 85.
Gregory, W. K. 1920 A, 247.
Matthew, W. D. 1926 C, 170, fig. 26 (Rhinocerotoida).
Nat. Sci. 1898 A, 158.
O'Harra, C. C. 1910 A, 88.
1920 A, 91.
Osborn, H. F. 1905 H, 211, fig. 3.
1909 D, 135.
1910 B, 557.
Ringström, T. 1924 A, 150.
Schlosser, M. 1901 B, 300.
Weber, M. 1904 A, 615, 625.
Weber and Abel 1928 A, 426, 661, 666.
Weber and Burlet 1927 A, xv.
Winge, H. 1906 A, 71, 159, 162 (Rhinocerotidæ).
Wood, H. E. 1927 B, 6, 7.

HYRACODONTIDÆ Cope.

Cope, E. D. 1879 C, 228.
Hay, O. P. 1902 A, 638.
Abel, O. 1910 E, 3.
1913 B, 730, 753*a* (Hyracodontinæ).
Adloff, P. 1906 A, 115.
Case, E. C. 1898 C, 835 ("hyracodonts").
Cooper, C. F. 1924 B, 384.
Cossmann, M. 1899 A, 81.
Depéret, C. 1912 A, 708 ("hyracodontidés").
Dollo, L. 1885 C, 299.
Lydekker, R. 1898 C, 87.
Matthew, W. D. 1901 B, 371.
1909 C, 99, 102, 104, 105, 108, 111.
1909 D, 301.
1925 F, 7.
1926 C, 168, 170, fig. 26 ("hyracodonts").
1928 B, 968 ("hyracodonts").
Matthew and Granger 1925 F, 7.
O'Harra, C. C. 1910 A, 81, 91, 127.
1920 A, 92.
Nat. Sci. 1898 A, 158.
Osborn, H. F. 1902 A, 86 ("hyracodonts").
1902 E, 359.
Osborn, H. F. 1905 H, 211, fig. 3.
1905 I, 107.
1909 D, 127.
1910 B, 135, 156, 213, 223, 557.
Palmer, T. S. 1904 A, 747, 938.
Pavlow, M. 1915 A, 16.
Ringström, T. 1924 A, 151.
Roman, F. 1912 A, 77 ("hyracodontidés").
Schlosser, M. 1898 C, 375.
1901 B, 301, 303.
Scott, W. B. 1913 A, 291, 340.
Seeley, H. G. 1886 A, 474 (Hyrachodontidæ. Triplopodidæ).
Sinclair, W. J. 1922 A, 654 ("hyracodons").
Troxell, E. L. 1922 E, 38.
Weber, M. 1904 A, 615, 625.
Weber and Abel 1928 A, 426, 651, 662.
Winge, H. 1906 A, 71, 160 (Hyracodontini).
Wood, H. E. 1926 A, 238 ("hyracodonts").
1927 B, 6, 81.
Zittel and Schlosser 1911 A, 450.
1923 A, 535 (Hyracodontinæ).

HYRACHYINÆ Osborn.

Osborn, H. F. 1892, in Osborn and Wortman 1892 A, 93.
Hay, O. P. 1902 A, 638.
Osborn, H. F. 1902 E, 360.
1910 B, 557.
Palmer, T. S. 1904 A, 747, 938.
Wood, H. E. 1927 B, 6, 8, 22, 79.

HYRACHYUS Leidy. Type *H. agrestis* Leidy.

Leidy, J. 1871 C, 327.
Hay, O. P. 1902 A, 638.
Abel, O. 1910 E, 3, 25, 35.
Ameghino, F. 1904 A, 69 (Hyrachius).
Beddard, F. E. 1902 A, 262.
Cooper, C. F. 1924 B, 374.
Cope, E. D. 1880 U, 154.
Depéret, C. 1904 A, 577, 580.
1904 B, 16.
Earle, C. 1898 B, 116.
Flower, W. H. 1873 B, 99.
Gaudry, A. 1891 C, 40 (Hyrachius).
1896 A, 180.
1898 A, 128.
Granger, W. 1909 A, 22.
1910 A, 245.
Gregory, W. K. 1906 A, 13.
1912 F, 288.
1920 A, 194, fig. 169.
Haug, E. 1911 A, 1528 (Hyrachius).
Hoernes, R. 1886 A, 666.
Matthew, W. D. 1909 C, 102.
1915 K, 450.
1917 A, 576.
1924 E, 748.
1926 C, 168, 170, fig. 26.
1928 B, 967, 979, fig. 15.
Osborn, H. F. 1898 V, 206.
1905 L, 568.
1907 G, 162, figs. 135, 177, 178, 180.
1909 D, 49.
1910 B, 130, 135, 162, 164, 557, fig. 61.
1912 G, 236, fig. 3.
1919 B, 558.
1923 F, 214.
Palacký, J. 1903 B, 307.
Palmer, T. S. 1904 A, 343, 938.
Pavlow, M. 1915 A, 16 (Hyrachius).
Peterson, O. A. 1919 A, 128, 129, 137.
Schlosser, M. 1899 P, 313.
1900 H, 461.
1901 B, 301.
Schmidt, O. 1886 A, 193.
Schuchert and Levene 1927 A, 334, fig.
Scott, W. B. 1913 A, 683, figs. 182, 183.
Seeley, H. G. 1886 A, 476.
Stehlin, H. G. 1903 A, 63, 64.
Terra, P. 1911 A, 314, fig. 140.
Trouessart, E. L. 1905 A, 623.
Troxell, E. L. 1922 D, 34.
1922 E, 38.
1923 G, 134.
Wallace, A. R. 1876 A, 1, 136.
Weber and Abel 1928 A, 660, 662, fig. 448.
Winge, H. 1906 A, 160.
Wood, H. E. 1927 B, 8, 11, 30.
Zittel and Schlosser 1911 A, 451.
1923 A, 425, 536, 666, 668, 669, figs. 527, 660.

Hyrachyus affinis (Marsh).

Hay, O. P. 1902 A, 638.
Troxell, E. L. 1922 D, 32, 33.
1922 E, 42, 43, 48, fig. 3.
Middle Eocene (Bridger); Wyoming.

Hyrachyus affinis gracilis Troxell.

Troxell, E. L. 1922 E, 43, 48, pl. i.
Marsh, O. C. 1922, in Troxell, E. L. 1922 E, 44 (H. bairdi).
Troxell, E. L. 1922 D, 33.
Wood, H. E. 1927 B, tab. vii.
Middle Eocene (Bridger); Wyoming.

Hyrachyus agrarius Leidy.

Leidy, J. 1871 C, 357.
Hay, O. P. 1902 A, 638.
Abel, O. 1910 E.
1912 F, 639.
1924 B, 20.
Beddard, F. E. 1902 A, 262.
Depéret, C. 1904 B, 21, fig. 5.
Gaudry, A. 1896 A, 181, fig. 175.
Matthew, W. D. 1909 C, 97.
Merrill, G. P. 1907 A, 42.
Osborn, H. F. 1904 F, 24.
Peterson, O. A. 1919 A, 128.
Schlosser, M. 1898 C, 375.
Toula, F. 1902 A, 24.
Troxell, E. L. 1922 E, 39.
Weber and Abel 1928 A, 662, fig. 450.
Williams, H. S. 1897 A, 681, fig. ("Hyrachyus").
Middle Eocene (Bridger); Wyoming.

Hyrachyus agrestis Leidy.

Leidy, J. 1871 C, 357.
Hay, O. P. 1902 A, 638 (H. agrarius, in part).
Merrill, G. P. 1907 A, 42.
Troxell, E. L. 1922 E, 39, 40.
This species was evidently intended to be the type of the genus. *H. agrarius* may be a synonym.
Middle Eocene (Bridger); Wyoming.

Hyrachyus? bairdianus (Marsh).

Hay, O. P. 1902 A, 638 (H. agrarius, in part).
Matthew, W. D. 1909 C, 97 (This genus?).
Troxell, E. L. 1922 E, 40, 48, figs. 1, 2.
Middle Eocene (Bridger); Wyoming.

Hyrachyus eximius Leidy.

Hay, O. P. 1902 A, 639.
Abel, O. 1922 C, 273, fig. 230.
Leuthardt, F. 1891 A, 113, pl. v, fig. 3 (Hyrachius).
Marsh, O. C. 1922 in Troxell, E. L. 1922 E, 46.
Matthew, W. D. 1909 C, 97.
Scott, W. B. 1913 A, 271, 344, figs. 140, 182.
Toula, F. 1902 A, 45.
Wood, H. E. 1927 B, tab. vii.
Middle Eocene (Bridger); Wyoming.

Hyrachyus grandis Peterson.

Peterson, O. A. 1919 A, 129, figs. 18, 19 (H. grande).
Upper Eocene (Uinta); Utah.

Hyrachyus imperialis Osborn, Scott and Speir.

Hay, O. P. 1902 A, 639.

Matthew, W. D. 1909 C, 97.
Middle Eocene (Bridger); Wyoming.

Hyrachyus implicatus Cope.

Hay, O. P. 1902 A, 639.
Matthew, W. D. 1909 C, 97 (H. intermedius, H. crassidens).
Peterson, O. A. 1919 A, 138.
Middle Eocene (Bridger); Wyoming.

Hyrachyus modestus Leidy.

Hay, O. P. 1902 A, 639.
Matthew, W. D. 1909 C, 98 (Isectolophus?).
Merrill, G. P. 1907 A, 42 (Hyrachyus); 44 (Lophiodon).
Troxell, E. L. 1922 E, 42 (syn.? of H. affinis).
Middle Eocene (Bridger?); Wyoming.

Hyrachyus paradoxus Osborn, Scott and Speir.

Hay, O. P. 1902 A, 639.
Matthew, W. D. 1909 C, 97 (This genus?).
Middle Eocene (Bridger?); Wyoming.

Hyrachyus princeps Marsh.

Hay, O. P. 1902 A, 639.
Marsh, O. C. in Troxell, E. L. 1922 E, 46, 48.
Matthew, W. D. 1909 C, 97.
Peterson, O. A. 1919 A, 129, fig. 19.
Troxell, E. L. 1922 D, 36.
1922 E, 46, fig. 5.
Middle Eocene (Bridger); Wyoming.

Hyrachyus priscus Douglass.

Douglass, E. 1903 A, 146, 156, fig. 2 (This genus?).
Matthew, W. D. 1909 C, 99.
Upper Eocene (Uinta); Montana.

Hyrachyus sp. indet.

Douglass, E. 1903 A, 158, fig. 3. Eocene; Montana.
Hills, R. C. 1889 A, 221. Eocene (Huerfano); Colorado.
Matthew, W. D. 1909 C, 97. Middle Eocene (Bridger); Colorado: Upper Eocene (Uinta); Wyoming, Utah.
Wood, H. E. 1927 B, tab. vii.

METAHYRACHYUS Troxell. Type *M. bicornutus* Troxell.

Troxell, E. L. 1922 D, 31, 33.
1922 E, 38.
Weber and Abel 1928 A, 663.
Wood, H. E. 1927 B, 80.

Metahyrachyus bicornutus Troxell.

Troxell, E. L. 1922 D, 31, 33, figs. 4, 5.
Middle Eocene (Bridger); Wyoming.

COLONOCERAS Marsh. Type *C. agrestis* Marsh.

Hay, O. P. 1902 A, 639.
Dollo, L. 1885 C, 295 (Colonoceras).
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 102.
1926 C, 170, fig. 26.
Osborn, H. F. 1910 B, 557.
Palmer, T. S. 1904 A, 196, 938.
Peterson, O. A. 1919 A, 128.
Schlosser, M. 1898 C, 376.
1901 B, 301.
Scott, W. B. 1913 A, 272, 346, 350.
Trouessart, E. L. 1905 A, 623.
Weber and Abel 1928 A, 663.
Wood, H. E. 1927 B, 80.

Colonoceras agrestis Marsh.

Hay, O. P. 1902 A, 639.
Gregory, W. K. 1920 A, 195.
Matthew, W. D. 1909 C, 97.
Peterson, O. A. 1919 A, 128.
Troxell, E. L. 1922 D, 31, figs. 1-3.
Weber and Abel 1928 A, 663.
Wood, H. E. 1927 B, 78.
Middle Eocene (Bridger); Wyoming.

HYRACODONTINÆ Osborn and Wortman.

Osborn and Wortman 1892 A, 93 (Hyracodontinæ, Triplopodinæ).
Hay, O. P. 1902 A, 639 (Triplopodinæ); 640 (Hyracodontinæ).
Abel, O. 1914 A, 238.
1919 A, 855.
Arldt, T. 1907 D, 260.
1912 A, 700.
Cope, E. D. 1881 G, 379 (Triplopodidæ).
1881 O, 340 (Triplopodidæ).
Depéret, C. 1904 B, 21 ("hyracodontidés").
1912 B, 770 ("hyracodontidés").
Osborn, H. F. 1902 E, 360 (Triplopodinæ).
1910 B, 557.
Palacký, J. 1903 B, 306 ("hyracodontiden").
Palmer, T. S. 1904 A, 775, 938 (Triplopodidæ).
Sauvage, H. E. 1882 A, 105 (Triplopidæ, Hyracodontinæ).
Scott, W. B. 1913 A, 341, 683.
Trouessart, E. L. 1905 A, 623.
Wood, H. E. 1927 B, 81 (Hyracodontinæ); 79, 83 (Triplopodinæ).

PROTHYRACODON Scott and Osborn. Type *Prothyracodon intermedius* Scott and Osborn.

Scott and Osborn 1887 A, 260.
Hay, O. P. 1902 A, 640 (Triplopus, in part).
Matthew and Granger 1925 C, 6.
Peterson, O. A. 1919 A, 131.
Weber and Abel 1928 A, 664.
Wood, H. E. 1927 B, 22.

Prothyracodon obliquidens Scott and Osborn.

Hay, O. P. 1902 A, 640 (Triplopus).
Matthew and Granger 1925 E, 7.
Peterson, O. A. 1919 A, 131, pl. xlvi, figs. 1-9.
Wood, H. E. 1927 B, 23, 35 (P. obliquidens, P. intermedium); tabs. *ib*, ii, v, vii.
Upper Eocene (Uinta); Utah.

TRIPLOPUS Cope. Type *T. cubitalis* Cope.

Hay, O. P. 1902 A, 640.
Abel, O. 1910 E, 25.
Beddard, F. E. 1902 A, 262.
Granger, W. 1909 A, 22.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 102.
1915 A, 240.
1926 C, 170, fig. 26.
1928 B, 979, fig. 15.
Matthew and Granger 1926 A, 3.
Osborn, H. F. 1910 B, 166, 168, 557.
1913 B, 261.
Palmer, T. S. 1904 A, 693, 938.
Schlosser, M. 1900 H, 462.
1901 B, 301.
Scott, W. B. 1913 A, 266, 272, 345.
Seeley, H. G. 1886 A, 476.
Trouessart, E. L. 1905 A, 623.
Weber, M. 1904 A, 625.
Weber and Abel 1928 A, 662.
Winge, H. 1906 A, 160.
Wood, H. E. 1927 B, 12.
Wright, R. R. 1883 A, 245.
Zittel and Schlosser 1911 A, 451.
1923 A, 536, 669.

Triplopus cubitalis Cope.

Hay, O. P. 1902 A, 640.
Granger, W. 1909 A, 22.
Gregory, W. K. 1920 A, 195.
Matthew, W. D. 1909 C, 97.
Osborn, H. F. 1913 B, 261.
Peterson, O. A. 1919 A, 132.
Scott, W. B. 1913 A, 343, fig. 181.
Weber and Abel 1928 A, 663, fig. 451.
Wood, H. E. 1927 B, 13.
Middle Eocene (Washakie); Wyoming.

Triplopus grangeri Wood.

Wood, H. E. 1927 B, 16, pls. ii, iv, tabs. *ia*, *ib*, ii.
Upper Eocene (Uinta); Utah.

EPITRIPLOPUS Wood. Type *Prothyracodon uintense* Peterson.

Wood, H. E. 1927 B, 19, pl. iii, fig. 9.

Epitriplopus uintensis (Peterson).

Peterson, O. A. 1919 A, 134, pl. xxxvi, fig. 1; pl. xlv; pl. xlvi, figs. 10-16 (Prohyracodon).
Matthew and Granger 1925 E, 7 (Prothyracodon).
Wood, H. E. 1927 B, 19, pl. iii, fig. 9, tabs. *ib*, ii.
Upper Eocene (Uinta); Utah.

ANCHISODON Cope. Type *A. quadriplicatus* Cope.

Hay, O. P. 1902 A, 640.
Palmer, T. S. 1904 A, 102, 938.
Trouessart, E. L. 1905 A, 624.
Wood, H. E. 1927 B, 68.

Anchisodon quadriplicatus Cope.

Hay, O. P. 1902 A, 640.
Matthew, W. D. 1909 C, 105.
Wood, H. E. 1927 B, 68 (Subhyracodon).
Middle Oligocene (Cedar Creek); Colorado.

HYRACODON Leidy. Type *H. nebraskensis* Leidy.

Hay, O. P. 1902 A, 640.
Abel, O. 1910 E, 3, 25.
1926 A, 225.
Anonymous 1898 B, 374.
Arldt, T. 1907 D, 260.
Cope, E. D. 1880 U, 152, 156.
Depéret, C. 1904 B, 37.
Douglass, E. 1905 A, 211.
1909 C, 283.
Flower, W. H. 1873 B, 100.
Gaudry, A. 1896 A, 178.
Gregory, W. K. 1920 A, 196, fig. 172.
Haug, E. 1911 A, 1528.
Heilmann, G. 1926 A, 160.
Heilprin, A. 1887 A, 368.
Knipe, H. R. 1912 A, 142, fig.
Knowlton, F. H. 1922 A, 21.
Koken, E. 1901 B, 223.
Lobley, J. L. 1908 A, 212.
Loomis, F. B. 1928 A, 142.
Matthew, W. D. 1901 B, 369, 370, 373.
1909 C, 111.
Matthew, W. D. 1915 A, 240.
1924 E, 748.
1928 B, 979, fig. 15.
Matthew and Granger 1925 E, 6.
Nat. Sci. 1898 A, 158.
Osborn, H. F. 1910 B, 214, 220, 557, fig. 101.
Palmer, T. S. 1904 A, 343, 913.
Peterson, O. A. 1919 A, 132, 138.
Schlosser, M. 1898 C, 375.
1900 H, 460.
Scott, W. B. 1913 A, 252, 255, 266, 341, fig. 133.
Sinclair, W. J. 1922 A, 654 ("hyracodons").
1922 C, 62.
1924 A, 119.
Stehlin, H. G. 1905 A, 576.
Terra, P. 1911 A, 314.
Trouessart, E. L. 1905 A, 624.
Troxell, E. L. 1921 E, 34.
1922 D, 35.
1922 E, 39.
Wallace, A. R. 1876 A, I, 136; II, 214, 248.
Weber, M. 1904 A, 351, 625.

Weber and Abel *1928 A, 74, 662.
Winge, H. 1906 A, 160.
Wood, H. E. 1927 B, 8, 11, 26.
Zittel and Schlosser 1911 A, 451.
1923 A, 536, 671, fig. 661.

Hyracodon apertus Sinclair.

Sinclair, W. J. 1922 C, 73, fig. 3.
Abel, O. 1926 A, 228-245 (H. nebrascensis apertus).
Sinclair, W. J. 1924 A, 102.
Wood, H. E. 1927 B, 79, tab. vii.
Oligocene (Brule); South Dakota.

Hyracodon arcidens Cope.

Hay, O. P. 1902 A, 640.
Abel, O. 1914 A, 242, fig. 209 (H. priscidens).
1926 A, 227, 233 (H. priscidens); 227, 233, 236, 238 (H. arcidens).
Cope and Matthew 1915 A, pl. cii.
Lambe, L. M. 1905 B, 37, pl. i (H. priscidens).
1908 A, 10, 39, pl. iv, figs. 1-4 (H. priscidens).
Matthew, W. D. 1901 B, 357.
1909 C, 104 (H. priscidens); 105 (H. arcidens).
Sinclair, W. J. 1922 C, 67, fig. 1 (H. arcidens mimus, H. priscidens, H. selenidens as syns.).
1924 A, 102, 120.
Troxell, E. L. 1921 E, 35 (H. arcidens); 36, fig. 1 (H. arcidens mimus); 37, figs. 2, 3 (H. selenidens).
Wood, H. E. 1927 B, 27, 78.
Oligocene; Colorado, South Dakota, Assiniboia.

Hyracodon leidyanus Troxell.

Troxell, E. L. 1921 E, 38, figs. 4, 5.
Abel, O. 1926 A, 228-245, figs. 2, 3 (H. nebrascensis leidyanus).
Sinclair, W. J. 1922 C, 74, figs. 4, 5.
1924 A, 120.
Troxell, E. L. 1922 D, 35.
Wood, H. E. 1927 B, 27, 79.
Middle or Lower Oligocene; South Dakota.

Hyracodon major Scott and Osborn.

Hay, O. P. 1902 A, 641.
Cook, H. J. 1912 D, 36.
Matthew, W. D. 1909 C, 105.
O'Harra, C. C. 1920 A, 152.
Sinclair, W. J. 1922 C, 77 ("indeterminate").
Troxell, E. L. 1921 E, 35.
Oligocene (White River); South Dakota.

Hyracodon nebraskensis Leidy.

Hay, O. P. 1902 A, 641.
Abel, O. 1913 B, 753a, fig. 98 (H. nebrascense).
1914 A, 237, figs. 202, 203 (H. nebrascense).
1926 A, 225, fig. 1 (H. nebrascensis); 227-245 (H. nebrascensis selenidens).
Beddard, F. E. 1902 A, 260, fig. 134 (H. nebrascensis).
Cook, H. J. 1912 D, 136 (H. nebrascensis).
Darton, N. H. 1901 A, 543 (H. nebrascensis).
1905 A, 45, 173 (H. nebrascensis).
Darton and Siebenthal 1910 A, 11 (H. nebrascensis).
Gervais, P. 1859 A, 360 (Rhinoceros).
Giebel, C. G. 1883 A, pl. xlii (Rhinoceros).
Lambe, L. M. 1904 C, 28, 38, 51 (H. nebrascense).
1905 B, 37 (H. nebrascensis).
1908 A, 10, 39, 42.
Matthew, W. D. 1901 B, 357 (H. nebrascensis).
1903 B, 219 (This species?).
1909 C, 105 (H. nebrascensis).
Merrill, G. P. 1907 A, 20 (Aceratherium); 42 (Hyracodon); 60 (Rhinoceros).
O'Harra, C. C. 1920 A, 91, 93, pls. xiv, xxxi; text-fig. 36 (H. nebrascensis).
Osborn, H. F. 1904 F, 42.
Ruschenberger and Tryon 1879 A, 12 (H. nebrascensis).
Scott, W. B. 1913 A, 341, 343, figs. 180, 181.
Sinclair, W. J. 1922 C, 69, fig. 2 (H. nebrascensis).
1924 A, 102 (H. nebrascensis).
Stehlin, H. G. 1905 A, 576.
Trouessart, E. L. 1905 A, 624 (H. nebrascensis).
Troxell, E. L. 1921 E, 34, 35 (H. nebrascensis).
Weber and Abel 1928 A, 663, figs. 449, 451, 452 (H. nebrascensis).
Wood, H. E. 1927 B, 27, 79.
Zittel and Schlosser 1911 A, 451, fig. 622 (H. nebrascensis).
Middle Oligocene (Lower Brule); South Dakota.

Hyracodon petersoni Wood.

Wood, H. E. 1927 B, 79, tab. 1*b*.
Abel, O. 1926 A, 245 (Syn. of H. nebrascensis selenidens).
Lower Oligocene (Chadron); Nebraska.

Hyracodon? planiceps Scott and Osborn.

Hay, O. P. 1902 A, 641.
Cook, H. J. 1912 D, 37 (This genus?).
Lambe, L. M. 1905 B, 40.
1908 A, 10, 42.
Matthew, W. D. 1909 C, 105 (This genus and family?).
O'Harra, C. C. 1920 A, 152.
Sinclair, W. J. 1922 C, 76 (This genus?).
Troxell, E. L. 1921 E, 36.
Middle Oligocene (Lower Brule); Nebraska?

Hyracodon sp. indet.

Cook, H. J. 1912 D, 34. Oligocene (Chadron); Nebraska: 38, Oligocene (Brule); Nebraska.
Lambe, L. M. 1905 D, 368 A. Oligocene (Cypress Hills); Canada.
Matthew, W. D. 1909 C, 108. Oligocene (Brule); Colorado and region of South Dakota and Nebraska.
Sinclair, W. J. 1922 C, 75, 76, figs. 6, 7.
1924 A, 101. Oligocene (White River); South Dakota.

AMYNODONTIDÆ Scott and Osborn.

Hay, O. P. 1902 A, 641.
Abel, O. 1910 E, 3.
1913 B, 730, 753a (Amynodontinæ).
1914 A, 239 (Amynodontinæ).
1919 A, 856 (Amynodontinæ).
Adloff, P. 1906 A, 115 (Amynodontinæ).
Ameghino, F. 1906 A, 324.
Arldt, T. 1907 D, 260 (Amynodontinæ).
1912 A, 700 (Amynodontinæ).
Beddard, F. E. 1902 A, 263 ("amynodonts").
Case, E. C. 1898 C, 835 ("amynodonts").
Cooper, C. F. 1924 B, 384.
Cossmann, M. 1899 A, 81.
Depéret, C. 1912 A, 708 ("amynodontidés").
Gregory, W. K. 1912 F, 294.
Lydekker, R. 1898 C, 87.
Matthew, W. D. 1909 C, 99, 102, 104, 105, 111.
1926 C, 170, fig. 26 ("amynodonts").
1928 B, 968 ("amynodonts").
Nat. Sci. 1898 A, 158.
O'Harra, C. C. 1910 A, 89.
Osborn, H. F. 1905 I, 107.
1909 D, 54, 57, 60-63.
1910 B, 557, 606 (Amynodontinæ).
Palacký, J. 1903 B, 306 ("amynodontiden").
Peterson, O. A. 1919 A, 128, 130 (Amynodontinæ).
Roman and Joleaud 1909 A, 39, 43.
Schlosser, M. 1898 C, 376.
1901 B, 301, 303.
Scott, W. B. 1913 A, 346, 675 (Amynodontinæ).
Trouessart, E. L. 1905 A, 624 (Amynodontinæ).
Troxell, E. L. 1921 D, 21.
Weber, M. 1904 A, 615, 625.
Weber and Abel 1928 A, 426, 651, 664.
Winge, H. 1906 A, 71, 158.
Wood, H. E. 1927 B, 6, 8, 79, 81, 83.
Zittel and Schlosser 1911 A, 451 (Amynodontinæ).
1923 A, 536, 669 (Amynodontinæ).

AMYNODON Marsh. Type *Diceratherium advenum* Marsh.

Hay, O. P. 1902 A, 641.
Arldt, T. 1907 D, 260.
Cooper, C. F. 1922 B, 619.
Depéret, C. 1904 A, 578.
Gaudry, A. 1896 A, 181.
Granger, W. 1909 A, 22.
1910 A, 235.
Gregory, W. K. 1920 B, 280, fig. 24.
Heilprin, A. 1887 A, 368.
Kampfen, P. N. 1905 A, 577.
Matthew, W. D. 1907 D, 6.
1909 C, 102.
1915 A, 240.
1924 E, 748.
1926 C, 169, fig. 26 ("amynodonts").
1928 B, 967, 979, fig. 15.
Osborn, H. F. 1909 D, 53.
1910 B, 166, 170, 557.
1912 G, 241, fig. 6.
Palacký, J. 1903 B, 307.
Palmer, T. S. 1904 A, 99, 936.
Pavlow, M. 1915 A, 16.
Peterson, O. A. 1919 A, 130.
Roman, F. 1912 A, 9.
Roman and Joleaud 1909 A, 39.
Schlosser, M. 1901 B, 301.
Scott, W. B. 1913 A, 266, 272, 348, 675.
Stehlen, H. G. 1903 A, 74.
1905 A, 576.
Terra, P. 1911 A, 314.
Trouessart, E. L. 1905 A, 624.
Troxell, E. L. 1921 D, 21.
1922 E, 38.
Weber, M. 1904 A, 625.
Weber and Abel 1928 A, 664, 666.
Winge, H. 1906 A, 158.
Wood, H. E. 1927 B, 8.
Zittel and Schlosser 1911 A, 451.
1923 A, 536, 668.

Amynodon advenus Marsh.

Hay, O. P. 1902 A, 641.
Depéret and Douxami 1902 D, 26 (Diceratherium).
Matthew, W. D. 1909 C, 99.
Peterson, O. A. 1919 A, 130.
Troxell, E. L. 1921 D, 21, 32, fig. 7.
Upper Eocene (Uinta); Utah.

Amynodon antiquus (Scott and Osborn).

Hay, O. P. 1902 A, 641.
Granger, W. 1910 A, 240 (This species?).
Matthew, W. D. 1909 C, 99.
Troxell, E. L. 1921 D, 21, 22.
Upper Eocene (Uinta); Wyoming.

Amynodon erectus Troxell.

Troxell, E. L. 1921 D, 22, 28, figs. 3-6.
1922 D, 37.
Upper Eocene (Uinta); Utah.

Amynodon intermedius Osborn.

Hay, O. P. 1902 A, 642.
Matthew, W. D. 1909 C, 99.
Osborn, H. F. 1904 F, 33.
1912 G, 245.
Peterson, O. A. 1919 A, 131.
Troxell, E. L. 1921 D, 21, 22.
Upper Eocene (Uinta); Utah.

Amynodon sp. indet.

Matthew, W. D. 1909 C, 99. Upper Eocene (Uinta); Wyoming, Utah, Montana.

METAMYNODON Scott and Osborn. Type *M. planifrons* Scott and Osborn.

Hay, O. P. 1902 A, 642.
Abel, O. 1914 A, 240.
Ameghino, F. 1906 A, 325.
Anonymous 1898 B, 374.
Arldt, T. 1907 D, 260.
Cooper, C. F. 1922 B, 617, figs. 1, 2.
Gregory, W. K. 1912 F, 286.
1920 A, 197, fig. 175.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1901 B, 369.

Matthew, W. D. 1909 C, 111.
1915 A, 240.
1924 E, 748.
1926 C, 170, fig. 26.
1928 B, 979, fig. 15.
Nat. Sci. 1898 A, 158.
Osborn, H. F. 1899 K, 273.
1909 D, 62, 65.
1910 B, 623.
1912 G, 243, fig. 8.
1923 G, 2.
Palmer, T. S. 1904 A, 418, 936.
Roman and Joleaud 1909 A, 39, 43.
Schlosser, M. 1901 B, 301.
Schuchert, C. 1910 A, 599.
Scott, W. B. 1913 A, 255, 346, 348, 352.
Sinclair, W. J. 1921 A, 465.
1924 A, 97.
Stehlin, H. G. 1905 A, 576.
Trouessart, E. L. 1905 A, 624.
Troxell, E. L. 1921 D, 21.
Wanless, H. R. 1923 A, 246, 259.
Weber, M. 1904 A, 625.
Zittel and Schlosser 1911 A, 451.
1923 A, 536, 670.

Metamynodon planifrons Scott and Osborn.

Hay, O. P. 1902 A, 642.
Abel, O. 1913 B, 753a, fig. 99.
1914 A, 238, fig. 204.
1919 A, 856, fig. 649.
Ameghino, F. 1906 A, 326, fig. 150.
Beddard, F. E. 1902 A, 263, fig. 136.
Cook, H. J. 1912 D, 37.
Gregory, W. K. 1920 B, figs. 22, 23.
Matthew, W. D. 1909 C, 105.
O'Harra, C. C. 1910 A, 89, pl. xxix, xxx.
1920 A, 92, 152, pl. xxix; text-fig. 37.
Osborn, H. F. 1904 F, 23, 40.
1910 B, 220, fig. 108.
Osburn, R. C. 1903 A, 653.
Roman and Joleaud 1909 A, 39, text-fig. 7.
Schlosser, M. 1898 C, 376.
Scott, W. B. 1913 A, 347, fig. 184.
Trouessart, E. L. 1905 A, 624.
Troxell, E. L. 1921 D, 21.
Weber and Abel 1928 A, 664, fig. 454.
Williams, H. S. 1897 A, 681, fig. ("Metamynodon").
Wood, H. E. 1927 B, tab. vii.
Zittel and Schlosser 1911 A, 451, fig. 623.
1923 A, 536, fig. 662.

Middle Oligocene (Brule); South Dakota, Nebraska.

Metamynodon rex Troxell.

Troxell, E. L. 1921 D, 24, figs. 1, 2.

Lower Oligocene (Oreodon beds); South Dakota.

Metamynodon sp. indet.

Cook, H. J. 1912 D, 34. Oligocene (Chadron); Nebraska.
Douglass, E. 1903 A, 159. Oligocene; Montana.
Matthew, W. D. 1909 C, 99 (This genus?). Eocene; Montana: 104 Oligocene (Chadron); South Dakota.
Wanless, H. R. 1923 A, 221, 259. Oligocene (White River); Nebraska.

RHINOCEROTIDÆ Owen.

Owen, R. 1845 B, 587.
Hay, O. P. 1902 A, 642 (Rhinocerotidæ); 647 (Rhinocerotinæ).
Abel, O. 1910 B ("nashörner").
1910 E.
1912 F, 697 ("rhinocerotiden").
1913 B, 730, 753 (Rhinoceridæ).
1914 A, 237 (Rhinocerotidæ); 241 (Rhinocerotinæ).
1919 A, 855.
1920 A, 451.
Adloff, P. 1906 A, 115 (Rhinoceridæ).
Ameghino, F. 1889 A, 1024 (Rhinoceridæ).
Anonymous 1898 B, 374 ("rhinoceroses").
Arldt, T. 1907 D, 679 (Rhinoceridæ); 260 (Rhinocerinæ).
Bach, F. 1909 A, 761 ("rhinocerotiden").
Baer, E. K. 1866 A, 689 (R. tichorinus).
Beddard, F. E. 1902 A, 253.
Behlen, H. 1906 A, 195 ("rhinoceriden").
Boas, J. E. V. 1884 B, 392 ("rhinoceras").
Breunig, S. 1924 A, 5-46.
Carus and Engelmann 1861 A, 1795 (Rhinoceros).
Cooper, C. F. 1924 B, 275 ("rhinoceroses").
Cossmann, M. 1899 A, 81.
Cuvier, F. 1825 A, 219 ("rhinocéros").
Cuvier, G. 1825 A, II, 1-93, pls. i-xviii ("rhinoceros").
Depéret, C. 1902 A, 323 ("rhinocéros").
1902 C, 345 ("rhinocéros").
Depéret, C. 1904 B, 24 ("rhinocéridés").
1905 A, 1518 ("rhinocéridés").
1906 A, 620 ("rhinocéridés").
1906 B, 1120, 1122 ("rhinocéridés").
1907 B ("rhinocéros").
1908 A, 303.
1912 A, 707 ("rhinocéridés").
Dollo, L. 1885 C, 295.
Doran, A. H. G. 1878 A, 419, pl. lxi.
Flower, W. H. 1892 A, 53.
Gaudry, A. 1891 C, 126.
Gervais, P. 1852 A, 43 (Rhinoceros).
1859 A, 87 ("rhinocéridés").
Giebel, C. G. 1848 B, 28 (Rhinoceros).
1849 A, 76.
1883 A ("rhinoceroten").
Gray, J. E. 1821 A, 306 (Rhynocerotidæ).
1869 A, 295-344.
Gregory, W. K. 1912 F, 294.
1927 A, 601 ("rhinoceroses").
Hay, O. P. 1923 A, 5, 211.
1927 E, 77 ("rhinoceroses").
Hayden, F. V. 1871 A, 106 ("rhinoceroses").
Hoernes, R. 1886 A, 669.
Hogben, L. T. 1919 A, 75.
Huxley, T. H. 1863 F, 579, 580 ("rhinoceros").
1870 F, 532.
Jacobi, A. 1921 A, 200, 211 ("nashörner").
Kampfen, P. N. 1905 A, 573, figs. 61-63.
Kingsley, J. S. 1925 A, 298 (Rhinoceros)

Köstlin, O. 1844 A (Rhinoceros).
Knottnerus-Meyer, T. 1907 A, 4.
Lankester, E. R. 1905 A, 142 ("rhinoceroses").
Lee, Stone, Gale 1915 A, 27 ("rhinoceroses").
Leunis and Ludwig 1883 A, 272 (Nasicornia).
Lobley, J. L. 1908 A, 204.
Lull, R. S. 1918 C, 136 ("rhinoceroses").
Lydekker, R. 1898 C, 87.
1907 B, 5.
1916 A, 46.
Major, C. J. F. 1880 A.
Matson and Sanford 1913 A, 146 ("rhinoceroses").
Matthew, W. D. 1909 C, 135.
1914 G, 235 (Rhinoceridæ).
1915 A, 240, fig. 40.
1915 K, 449, fig. 17 ("rhinoceroses").
1916 C, 522 ("rhinoceroses").
1918 A, 207.
1921 D, 215 ("rhinoceroses").
1924 E, 745 ("rhinoceroses").
1926 C, 168, 170, fig. 26 ("rhinoceroses").
1928 B, 967, 979 ("rhinoceroses").
Meckel, J. F. 1825 A ("nashörner").
Nat. Sci. 1898 A, 159.
Nitsche, H. 1898 A, 78, pl. xii, figs. 8-11 (Rhinoceros).
Nopcsa, F. 1923 H, 165 ("rhinocerotiden").
1926 A, 645 (Rhinocerosinæ).
O'Harra, C. C. 1910 A, 89.
Osborn, H. F. 1902 A, 79 ("rhinoceroses").
1902 G, 357 ("rhinoceroses").
1905 D, 315 ("rhinoceroses").
1905 H, 211, fig. 3.
1905 I, 107.
1907 G, 73, 76, 86, 176, 181-183 ("rhinoceroses").
1909 D, 135.
1910 B, 630.
1910 C, 80 ("rhinoceroses").
1915 D, 284 ("rhinoceroses").
1918 C, 133 ("rhinoceroses").
1926 A, 188 ("rhinoceroses").
1926 C, 341 ("rhinoceroses").
Owen, R. 1845 B, 587.
1848 B, 202, pl. ii, fig. 17.
Palmer, T. S. 1904 A, 768, 939.
Pander and Alton 1821 B, 13, pls. viii, ix (Rhinoceros).
Paulli, S. 1900 A, 184, pl. viii; text-figs. 3-5 (Rhinoceros).
Pavlow, M. 1913 A, 46.
Peterson, O. A. 1919 A, 128.
Pictet, F. J. 1853 A, 294 ("rhinoceroides").
Pohle, R. 1904 A, 580 ("nashorn").
Reynolds, S. H. 1897 A, 553, fig. 110 ("rhinoceros").
Ringström, T. 1924 A.
Sauvage, H. E. 1882 A, 105.
Scharff, R. F. 1911 A, 229.
Schlosser, M. 1902 J, 257 ("rhinocerotiden").
1903 C, 555 ("rhinocerotiden").
1903 I, 49, 63, 179.
Schmidt, O. 1886 A, 195 (Rhinoceridæ).
Schwarz, E. 1924 A, 420 ("rhinoceroses").
Scott, W. B. 1913 A, 291, 326, 350, 689.
1916 A, 117 ("rhinoceroses").
1917 A, 181 ("rhinoceroses").
1924 A, 438 ("rhinoceroses").
Sellards, E. H. 1915 C, 8 ("rhinoceroses").
Stehlin, H. G. 1905 A, 576 ("rhinoceriden").
Steinmann, G. 1907 A, 488.
Stromer, E. 1902 B, 561 ("rhinocerotiden").
1916 A, 402.
Taschenberg, O. 1899 A, 4669.
Terra, P. 1911 A, 314.
Thomas, O. 1888 A, 451 ("rhinoceroses").
Tornier, G. 1888 A, 303 ("rhinozeriden").
Toula, F. 1902 A.
Trouessart, E. L. 1905 A, 623.
Troxell, E. L. 1922 E, 38.
1923 G, 134 ("rhinoceroses").
Virchow, H. 1910 H, 848, figs. 1-9 (Biceros).
Wallace, A. R. 1876 A, I, 136; II, 213.
Weber, M. 1904 A, 611, 615, 626.
Weber and Abel 1928 A, 426, 651, 652, 666.
Wilckens, O. 1911 A, 708 ("rhinocerotiden").
Winge, H. 1906 A, 71, 159, 162 (Rhinocerotini).
Wood, H. E. 1927 B, 9, 82.
Woodward, A. S. 1917 D, lxix ("rhinoceroses").
1923 C, 27, 29 (Rhinoceridæ).
Woodward, H. 1904 B, 160.
Wright, R. R. 1883 A, 239 (Rhinoceridæ).
Wüst, E. 1922 A, 641, 680 ("nashörner").
Zittel and Schlosser 1911 A, 449 (Rhinoceridæ); 451 (Rhinocerinæ).
1923 A, 534, 602 (Rhinoceridæ); 536 (Rhinocerinæ).

CÆNOPINÆ Breunig.

Breunig, S. 1924 A, 16, 20, 36.
Weber and Abel 1928 A, 667.

EOTRIGONIAS Wood. Type *E. rhinocerinus* Wood.

Wood, H. E. 1927 B, 28, 48, 77.
Weber and Abel 1928 A, 668.

Eotrigonias petersoni Wood.

Wood, H. E. 1927 B, 29, pl. iv, fig. 16, tab. i*a*.
Middle Eocene (Washakie); Wyoming.

Eotrigonias rhinocerinus Wood.

Wood, H. E. 1927 B, 32, 77, pl. iv, figs. 17-19, tab. i*a*, ii.
Upper Eocene (Uinta); Wyoming.

TRIGONIAS Lucas. Type *T. osborni* Lucas.

Hay, O. P. 1902 A, 642.
Abel, O. 1910 E.
1914 A, 241.
Breunig, S. 1924 A, 20.
Gregory and Cook 1926 A, 59.
Gregory and Cook 1928 A, 1-32, text-figs. 1-5.
Hatcher, J. B. 1901 A, 135.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 111.
1915 A, 240.

Matthew, W. D. 1915 K, 420.
1917 A, 576.
1926 C, 170, fig. 26.
1928 B, 980.
Matthew and Granger 1923 A, 6.
Osborn, H. F. 1905 H, 218.
1910 B, 213, 557.
1923 F, 214.
Palmer, T. S. 1904 A, 691, 940.
Peterson, O. A. 1920 A, 456.
Scott, W. B. 1913 A, 336, 337, 338, 351.
Trouessart, E. L. 1905 A, 625.
Troxell, E. L. 1921 F, 42.
1922 D, 31.
1922 E, 38.
Wood, H. E. 1926 A, 239.
1927 B, 10, 11, 38, 48, 77.
Zittel and Schlosser 1911 A, 452.
1923 A, 537.

Trigonias gregoryi Wood.

Wood, H. E. 1927 B, 48, pls. vi, vii, tabs. iii*a*, iii*b*, iv*a*.
Oligocene (Titanotherium); South Dakota.

Trigonias hypostylus Gregory and Cook.

Gregory and Cook 1928 A, 15, 21, 22, 25, 27, 29, pl. v; text-fig. 4.
Oligocene (Chadron); Colorado.

Trigonias osborni Lucas.

Hay, O. P. 1902 A, 642.
Abel, O. 1910 E, 39.
Cockerell, T. D. A. 1923 D, 273, figs. 1-5.
Cook, H. J. 1912 D, 34.
Cossmann, M. 1901 A, 2.
Gregory and Cook 1928 A, 30, 31.
Hatcher, J. B. 1901 A, 135, pls. i-iv.
Matthew, W. D. 1901 B, 369.
1909 C, 104.
Merrill, G. P. 1907 A, 62.
O'Harra, C. C. 1910 A, 90.
1920 A, 96, 149.
Scott, W. B. 1913 A, 337, 339, figs. 176, 177, 179.
Trouessart, E. L. 1905 A, 625.
Troxell, E. L. 1921 F, 42.
Weber and Abel 1928 A, 664, 668, fig. 453.
Wood, H. E. 1927 B, 10, 33, 39, 53, 77, pl. v, figs. 20-28, tabs.
Oligocene (Chadron); Nebraska, Colorado.

Trigonias osborni figginsi Gregory and Cook.

Gregory and Cook 1928 A, 10, 14, 18, 21, 22-27, 30, 31, pls. i-iv; text-figs. 4, 5 (T. o. *var.* figginsi).
Oligocene (Chadron); Colorado.

Trigonias osborni secundus Gregory and Cook.

Gregory and Cook 1928 A, 15, 18-27, 29, text-figs. 4, 5.
Oligocene (Chadron); Colorado.

Trigonias paucidens Wood.

Wood, H. E. 1927 B, 51, 53, pls. vi, vii, tabs. iii*a*, iii*b*.
Gregory and Cook 1928 A, 31.
Oligocene (Titanotherium); South Dakota.

Trigonias precopei Gregory and Cook.

Gregory and Cook 1928 A, 15, 18, 21-27, 29, 31, pl. vi; text-figs. 4, 5.
Oligocene (Chadron); Colorado.

Trigonias preoccidentalis Gregory and Cook.

Gregory and Cook 1928 A, 16, 18-27, 29, 31, pl. vi; text-fig. 4.
Oligocene (Chadron); Colorado.

Trigonias taylori Gregory and Cook.

Gregory and Cook 1928 A, 17-18, 20-27, 29-31, pl. v; text-fig. 5.
Oligocene (Chadron); Colorado.

Trigonias wellsi Wood.

Wood, H. E. 1927 B, 46, pls. vi, vii, tabs. iii*a*, iii*b*.
Gregory and Cook 1928 A, 31.
Oligocene (Titanotherium); South Dakota.

Trigonias sp. indet.

Gregory and Cook 1927 A, 235. Oligocene (Lower); Colorado.
Matthew, W. D. 1909 C, 104. Oligocene (Chadron); South Dakota.
Figgins, J. D. 1921 A, 19.
1922 A, 18. Oligocene; Colorado.
1925 A, 19. Oligocene; Colorado.
Wood, H. E. 1927 B, 46, tabs. iii*a*, iii*b*. Oligocene (Titanotherium); South Dakota.

SUBHYRACODON Brandt. Type *Aceratherium occidentale* (Leidy).

Brandt, J. F. 1878 A, 30.
Cope and Matthew 1915 A, pls. civ, cv.
Matthew, W. D. 1909 C, 104, 105.
1928 B, 980.
Palmer, T. S. 1904 A, 653.
Wood, H. E. 1927 B, 59.

Subhyracodon copei (Osborn).

Unless otherwise indicated the writers, as cited, use for this species the name *Cænopus*.
Hay, O. P. 1902 A, 643.
Abel, O. 1910 E.
Breunig, S. 1924 A, 21.
Cook, H. J. 1912 D, 37.
Gregory and Cook 1928 A, 16, 31 [Cænopus (Subhyracodon)].
Hatcher, J. B. 1901 A, 144 (Aceratherium).
Matthew, W. D. 1909 C, 105 (Cænopus, Subhyracodon).
O'Harra, C. C. 1910 A, 90.
1920 A, 153.
Peterson, O. A. 1920 A, 402.
Roman, F. 1912 A, 10 (Cænovus); 23 (Acerotherium).
Schlosser, M. 1901 B, 308 (Acerotherium).
1903 C, 556.

Sinclair, W. J. 1924 A, 120.
Trouessart, E. L. 1905 A, 625.
Troxell, E. L. 1921 F, 43.
Wood, H. E. 1927 B, 56, 61, tab. v*a*.
Oligocene (Chadron); South Dakota: (Brule); Nebraska.

Subhyracodon gidleyi Wood.

Wood, H. E. 1927 B, 65, tab. v*a*.
"White River Tertiary."

Subhyracodon metalophus (Troxell).

Troxell, E. L. 1921 F, 47, fig. 4 (Cænopus tridactylus metalophus).
Gregory and Cook 1928 A, 31.
Osborn, H. F. 1898 I, 153, 157, pl. xiii, fig. 1 (Aceratherium occidentale).
Troxell, E. L. 1922 D, 35 (Cænopus tridactylus metalophus).
Wood, H. E. 1927 B, 67, tab., v*b* (S. metalophum).
Oligocene (Middle?); Nebraska.

Subhyracodon occidentalis (Leidy).

Unless otherwise indicated the authors as cited use for this species the generic name *Cænopus*.
Hay, O. P. 1902 A, 643.
Abel, O. 1910 E.
Breunig, S. 1924 A, 18, 21.
Cook, H. J. 1912 D, 37.
Cooper, C. F. 1924 B, 393.
Darton, N. H. 1905 A, 173 (Aceratherium).
Depéret, C. 1904 B, 18, fig. 3 (Acerotherium).
Gervais, P. 1859 A, 360 (Rhinoceros).
Giebel, C. G. 1883 A, pl. xlii (Rhinoceros).
Gregory and Cook 1928 A, 31.
Hatcher, J. B. 1901 A, 144 (Aceratherium).
Lambe, L. M. 1904 C, 28, 38, 51 (Aceratherium).
1905 D, 368 A (Aceratherium).
1908 A, 10, 44, pl. iv, fig. 7 (Aceratherium).
Matthew, W. D. 1909 C, 105 (Cænopus = Subhyracodon).
Merrill, G. P. 1907 A, 21 (Aceratherium); 60 (Rhinoceros).
O'Harra, C. C. 1910 A, 90.
1920 A, 152, pl. xv.
Osborn, H. F. 1904 F, 31.
1905 I, 91 (Aceratherium).
1910 B, 196.
1923 F, 214 (Aceratherium).
Pavlow, M. 1915 A, 16.
Peterson, O. A. 1920 A, 401, 402.
Roman, F. 1912 A, 11, 14, 46, 52 (Acerotherium).
Ruschenberger and Tryon 1879 A, 12 (Aceratherium).
Schlosser, M. 1898 C, 376 (Aceratherium).
1901 B, 309 (Aceratherium).
Scott, W. B. 1913 A, 335.
Sinclair, W. J. 1924 A, 102, 120.
Stock, C. 1920 A, 271.
Toula, F. 1902 A, 25 (Aceratherium).
Trouessart, E. L. 1905 A, 625.
Troxell, E. L. 1921 A, 475 (Rhinoceros).
1921 F, 43.
Wood, H. E. 1927 B, 59, 63, 78, tab. v*a*.
Middle Oligocene (Brule); Colorado, Nebraska.

LEPTACERATHERIUM Osborn. Type *Aceratherium trigonodum* Osborn and Wortman.

Hay, O. P. 1902 A, 643.
Abel, O. 1910 E.
Anonymous 1898 B, 374.
Breunig, S. 1924 A, 20.
Cossmann, M. 1899 A, 82.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 111.
Schlosser, M. 1901 B, 308.
1902 J, 257.
Toula, F. 1902 A, 25.
Trouessart, E. L. 1905 A, 625.
Zittel and Schlosser 1911 A, 452.
1923 A, 537.

Leptaceratherium trigonodum (Osborn and Wortman).

Hay, O. P. 1902 A, 643.
Abel, O. 1910 E.
Breunig, S. 1924 A, 20.
Cook, H. J. 1912 D, 34, 37 (L. trigonogum).
Hatcher, J. B. 1901 A, 143.
Matthew, W. D. 1909 C, 104, 105.
O'Harra, C. C. 1910 A, 90.
1920 A, 149, 152.
Peterson, O. A. 1919 A, 128.
Portis, A. 1899 A, 123.
Roman, F. 1912 A, 23, 83.
Schlosser, M. 1901 B, 308.
Toula, F. 1902 A, 24.
Troxell, E. L. 1921 F, 43 [Cænopus (Leptaceratherium)].
Wood, H. E. 1927 B, 59, 78, tabs. v*a*, vi.
Lower Oligocene (Chadron); South Dakota: (Brule); Nebraska.

Leptaceratherium trigonodum allum (Troxell).

Troxell, E. L. 1921 F, 44, figs. 1, 2 (Cænopus).
Wood, H. E. 1927 B, 65, tab. vi (Syn. of Subhyracodon occidentalis).
Oligocene (White River); Nebraska.

CÆNOPUS Cope. Type *Aceratherium mite* Cope.

Hay, O. P. 1902 A, 643.
Abel, O. 1910 E.
Arldt, T. 1907 D, 203, 260.
Beddard, F. E. 1902 A, 262.
Breunig, S. 1924 A, 21.
Cook, H. J. 1909 C, 245, 246 (Cœnopus).
Dollo, L. 1885 C, 295 (Cœnopus).
Fairchild, H. L. 1894 A, 209 (Cœnopus).
Gregory, W. K. 1920 A, 196, fig. 173.
Gregory and Cook 1928 A, 6, fig. 1.
Haug, E. 1911 A, 1528, 1705.
Kampfen, P. N. 1905 A, 577 (Aceratherium).
Matthew, W. D. 1909 C, 111, 119.
1915 A, 240.

Matthew, W. D. 1917 A, 576.
1924 E, 748.
1926 C, 170, fig. 26.
1928 B, 979, 980, fig. 15.
Matthew and Cook 1909 A, 366, 380.
Matthew and Granger 1923 A, 6.
O'Harra, C. C. 1910 A, 91.
Osborn, H. F. 1907 G, 182, fig. 179.
1910 B, 213, 220, 351, 557.
Palmer, T. S. 1904 A, 150, 939.
Peterson, O. A. 1920 A (Cænopus, Cœnopus).
Ringström, T. 1924 A, 114.
Rogers, A. F. 1924 A, 545.
Schlosser, M. 1901 B, 308 (Aceratherium).
Scott, W. B. 1913 A, 677, figs. 133, 178.
Sinclair, W. J. 1924 A, 120.
Thorpe, M. R. 1923 E, 241.
Trouessart, E. L. 1905 A, 625.
Troxell, E. L. 1921 F, 42.
1922 D, 31.
1922 E, 38.
1923 G, 134.
Wood, H. E. 1926 A, 239.
1927 B, 55, 77 (Cænopus); 72 (Amphicænopus, type *C. platycephalus*).
Wright, R. R. 1883 A, 245.
Zittel and Schlosser 1911 A, 452 (Syn. of Aceratherium).
1923 A, 537, 673 (Syn. of Aceratherium).

Cænopus dakotensis Peterson.

Peterson, O. A. 1920 A, 402.
Osborn, H. F. 1898 I, 139, fig. 39 (Aceratherium mite?).
Troxell, E. L. 1921 F, 42 (Syn. of C. tridactylus).
Wood, H. E. 1927 B, 55, 57, tab. vi.
Oligocene (Protoceras); South Dakota.

Cænopus exiguus Lambe.

Lambe, L. M. 1908 A, 10, 44, pl. v, figs. 3-5 (Aceratherium).
Oligocene (Cypress Hills); Saskatchewan.

Cænopus mitis Cope.

Hay, O. P. 1902 A, 643.
Abel, O. 1910 E.
Breunig, S. 1924 A, 21 (C. mite).
Cook, H. J. 1912 D, 34 (C. miti).
Cope and Matthew 1915 A, pl. civ, figs. 1, 2 (Aceratherium occidentale; Cænopus=Subhyracodon); pl. cv, figs. 1-5 (Aceratherium; Cænopus=Subhyracodon).
Gregory and Cook 1928 A, 31.
Hatcher, J. B. 1901 A, 143 (Aceratherium).
Lambe, L. M. 1904 C, 28, 38, 51 (Syn. of Aceratherium pumilum).
1905 D, 368 A (Aceratherium).
1908 A, 10, 43, pl. iv, fig. 5 (Aceratherium).
Matthew, W. D. 1909 C, 104.
O'Harra, C. C. 1910 A, 90.
1920 A, 96.
Peterson, O. A. 1906 D, 283 (Aceratherium).
1919 A, 128 (C. mite).
1920 A, 435 (Cœnopus, Cænopus).
Pilgrim, G. E. 1912 A, 27 (Aceratherium).
Schlosser, M. 1898 C, 376 (Aceratherium).
Schlosser, M. 1901 B, 308 (Aceratherium).
Trouessart, E. L. 1905 A, 625.
Troxell, E. L. 1921 F, 42.
1921 H, 206.
Wood, H. E. 1927 B, 56; 60, tabs. va, vi, vii (Syn. in part of Subhyracodon trigonodus); 61 (Syn. in part of Cænopus copei).
Lower Oligocene; Colorado, Canada.

Cænopus persistens Osborn.

Osborn, H. F. 1904 D, 318, fig. 16.
Matthew, W. D. 1909 C, 114.
Wood, H. E. 1927 B, 55, 72 (Diceratherium?).
Zittel and Schlosser 1923 A, 537 (Aceratherium).
Middle Miocene (Pawnee Creek); Colorado.

Cænopus platycephalus Osborn and Wortman.

Hay, O. P. 1902 A, 645 (Aceratherium).
Abel, O. 1910 E, 31, 39 (Aceratherium).
Breunig, S. 1924 A, 21, fig. 8.
Cook, H. J. 1912 D, 34 (This species?); 38 (C. platycephalus).
Cooper, C. F. 1924 B, 293, 380, 393 (Aceratherium).
Gregory and Cook 1928 A, 31 (Amphicænopus).
Hatcher, J. B. 1901 A, 143 (Aceratherium).
Matthew, W. D. 1909 C, 104, 108 (This species?).
O'Harra, C. C. 1910 A, 90.
1920 A, 149.
Peterson, O. A. 1919 A, 120.
Pilgrim, G. E. 1912 A, 27 (Aceratherium).
Portis, A. 1899 A, 123 (Aceratherium).
Roman, F. 1912 A, 50 (Acerotherium).
Schlosser, M. 1900 H, 460 (Aceratherium).
1901 B, 308 (Aceratherium).
Toula, F. 1902 A, 24 (Aceratherium).
Trouessart, E. L. 1905 A, 627 (Aceratherium).
Troxell, E. L. 1921 F, 43.
1922 D, 34.
Wood, H. E. 1926 A, 239.
1927 B, 73, 75, tabs. v, vi (Amphicænopus).
Zittel and Schlosser 1911 A, 453, fig. 627 (Aceratherium).
1923 A, 538, fig. 666 (Aceratherium).
Oligocene (Chadron); South Dakota: (Brule); Nebraska.

Cænopus platycephalus nanolophus Troxell.

Troxell, E. L. 1921 F, 46, fig. 3.
Gregory and Cook 1928 A, 14.
Troxell, E. L. 1922 D, 36.
Wood, H. E. 1927 B, 39 (Syn.? of Trigonias osborni); tabs. iiia, iiib (T. "nanolophus").
Middle or Upper Oligocene; Colorado.

Cænopus premitis Gregory and Cook.

Gregory and Cook 1928 A, 18-19, 21-23, 25-27, 29-31, pl. iv; text-fig. 5 (This genus?).
Oligocene (Chadron); Colorado.

Cænopus simplicidens Cope.

Hay, O. P. 1902 A, 643.
Cook, H. J. 1912 D, 37.
Cooper, C. F. 1924 B, 385 (Aceratherium).

Matthew, W. D. 1909 C, 105 (Cænopus, Subhyracodon).
Schlosser, M. 1901 B, 308 (Aceratherium).
Trouessart, E. L. 1905 A, 625.
Troxell, E. L. 1921 F, 42.
Wood, H. E. 1927 B, 76, tab. v*b* (Amphicænopus?).
Middle Oligocene (Lower Brule); South Dakota.

Cænopus tridactylus Osborn.

Hay, O. P. 1902 A, 643.
Abel, O. 1910 E, 7, 31.
1913 B, 753a, fig. 100 (Aceratherium).
1914 A, 241, fig. 208 (Aceratherium).
1919 A, 859, fig. 652 (Leptaceratherium).
Beddard, F. E. 1902 A, 259 (Aceratherium).
Breunig, S. 1924 A, 21, fig. 8.
Cook, H. J. 1912 D, 38.
Cooper, C. F. 1924 B, 380, 393 (Aceratherium).
Depéret and Douxami 1902 D, 26 (Acerotherium).
Douglass, E. 1908 A, 265 (Aceratherium).
1909 C, 231, 285 (Aceratherium).
Hatcher, J. B. 1901 A, 144 (Diceratherium).
Loomis, F. B. 1908 A, 52 (Aceratherium).
Matthew, W. D. 1909 C, 108.
O'Harra, C. C. 1910 A, 90, pl. xxviii.
1920 A, 92, 153, figs. 35, 38.
Osborn, H. F. 1899 K, 272, fig. 1 (Aceratherium).
1904 F, 30, 39.
1910 B, 227.
1923 F, 214 (Aceratherium).
Peterson, O. A. 1920 A, 402.
Repelin, J. 1916 A, 982 (Aceratherium).
Roman, F. 1912 A, 40, 52 (Acerotherium).
Schlosser, M. 1898 C, 376 (Aceratherium).
1900 E, 140 (Diceratherium proavitum).
1901 B, 309 (Aceratherium).
Scott, W. B. 1913 A, 256, 335, figs. 135, 174.
Toula, F. 1902 A, 25 (Aceratherium).
Trouessart, E. L. 1905 A, 625.
Troxell, E. L. 1921 F, 44.
1921 H, 207.
Wood, H. E. 1927 B, 11, 69, tabs. v*b*-vii (Subhyracodon); 69, tab. v*b* (S. proavitum).
Zittel and Schlosser 1911 A, 452 (Aceratherium).
1923 A, 537, fig. 665 (Aceratherium).
Oligocene (Upper Brule); Colorado?, North Dakota, Nebraska.

Cænopus tridactylus avus Troxell.

Troxell, E. L. 1921 F, 49, fig. 5.
Wood, H. E. 1927 B, 71, tab. v*b* (Diceratherium avum).
Upper Oligocene (Protoceras); South Dakota.

Cænopus tubifer Cope.

Hay, O. P. 1902 A, 640 (Anchisodon).
Matthew, W. D. 1909 C, 108.
Merriam and Sinclair 1907 A, 186 (Aceratherium).
Upper Oligocene (John Day); Oregon.

Cænopus sp. indet.

Abel, O. 1926 B, 347.
Deussen, A. 1924 A, 21 (Aceratherium); 98 (Cœnopus). Miocene (Oakville); Texas.
Matthew, W. D. 1901 B, 356.
1909 C, 104 (Cænopus, Subhyracodon).
Oligocene (Lower); Montana, Canada.
Sinclair, W. J. 1924 A, 101. Oligocene (White River): South Dakota.
Stock, C. 1920 A, 271, figs. 4, 5 (Cænopus? or Diceratherium). Oligocene (San Lorenzo); California.
Wanless, H. R. 1923 A, 219.

DICERATHERIINÆ Osborn.

Osborn, H. F. in Osborn and Wortman 1892 A, 92.
Hay, O. P. 1902 A, 642.
Abel, O. 1910 E, 7.
Breunig, S. 1924 A, 17, 36.
Cook, H. J. 1912 A, 31 ("diceratheres").
Dollo, L. 1885 C, 295.
Lydekker, R. 1898 C, 88.
Osborn, H. F. 1901 H, 505.
1909 D, 124.
1923 F, 213 ("diceratheres").
Peterson, O. A. 1920 A, 399-456.
Ringström, T. 1924 A, 104, 119.
Schlosser, M. 1903 C, 555 (Diceratherinæ).
Weber and Abel 1928 A, 667, 668.

Diceratherium Marsh. Type *D. armatum* Marsh.

Hay, O. P. 1902 A, 644.
Abel, O. 1910 E, 6.
1913 B, 753b.
1914 A, 242.
1926 B, 373, 442.
Arldt, T. 1907 D, 650.
Baird, S. F. 1876 A, 336.
Barbour, E. H. 1906 C, 780.
1906 D, 313.
Beddard, F. E. 1902 A, 259.
Condon, T. 1902 A, 118, pls. xiii-xv (Rhinoceros).
1910 A, 99, pls. xiii-xv ("rhinoceros").
Cook, H. J. 1909 C, 245 (Metacœnopus; type *Aceratherium egregius* Cook).
Cooper, C. F. 1924 B, 372.
Delafontaine, M. 1875 A, 172 (Dyceratherium).
Depéret, C. 1904 B, 28.
1906 A, 619.
1912 A, 708.
Depéret and Douxami 1902 D, 11.
Dollo, L. 1885 C, 295, 298.
Eastman, C. R. 1912 C, 658.
Fairchild, H. L. 1894 A, 209.
Haug, E. 1911 A, 1705.
Laloy, L. 1907 A, 585.
Lobley, J. L. 1908 A, 212.
Loomis, F. B. 1908 A, 51.
Matthew, W. D. 1907 A, 172, 176.
1909 C, 108, 111, 119.
1915 A, 240.
1917 A, 576.

Matthew, W. D. 1924 E, 748.
1926 D, 450, fig. 1.
1928 B, 979, fig. 15.
Merriam, J. C. 1900 B, 220.
1901 A, 297.
1915 G, 99.
O'Harra, C. C. 1910 A, 91, 131.
Osborn, H. F. 1907 F, 872.
1909 D, 23, 65, 124.
1910 B, 612.
1912 G, 247, 249.
1918 B, 132.
Palacký, J. 1903 B, 311.
Palmer, T. S. 1904 A, 226, 940.
Peterson, O. A. 1906 B, 490.
1911 C, 274.
1912 A, 801.
1919 A, 128.
1920 A, 401.
Pilgrim, G. E. 1912 A, 24.
Ringström, T. 1924 A, 104, 114.
Rogers, A. F. 1924 A, 539, pl. xxvii, fig. 1; pl. xxviii, fig. 3.
Roman, F. 1912 A, 65, 85.
Schlosser, M. 1901 B, 301, 307.
1902 J, 257.
Schuchert, C. 1910 A, 599.
Scott, W. B. 1913 A, 238, 333, 679.
Smith and Packard 1919 A, 96.
Thorpe, M. R. 1921 D, 94.
Trouessart, E. L. 1905 A, 626.
Troxell, E. L. 1921 F, 41.
1921 G, 197.
1923 G, 134.
Wallace, A. R. 1876 A, I, 137; II, 137.
Weber, M. 1904 A, 626.
Weber and Abel 1928 A, 667.
Wood, H. E. 1927 B, 70, 77.
Wright, R. R. 1883 A, 245.
Zittel and Schlosser 1911 A, 453.
1923 A, 538, 671, 672.

Diceratherium annectens Marsh.

Hay, O. P. 1902 A, 644 (D. annectens, D. nanum).
Depéret and Douxami 1902 B, 26 (D. nanum).
Loomis, F. B. 1908 A, 54, 62, fig. 3 (D. annectens); 55, fig. 4 (D. nanum).
Matthew, W. D. 1909 C, 108 (Cænopus? annectens, D. nanum).
Merriam and Sinclair 1907 A, 186 (Aceratherium annectens, D. nanum).
Peterson, O. A. 1920 A, 403, pls. lxiii, lxv, lxvii; pl. lxviii (D. nanum); text-fig. 11.
Sternberg, C. H. 1909 C, 189 (D. nanum).
Troxell, E. L. 1921 G, 199, 201, fig. 1 (D. nanum, a syn.).
Upper Oligocene (John Day); Oregon.

Diceratherium armatum Marsh.

Hay, O. P. 1902 A, 644.
Loomis, F. B. 1908 A, 51, 53, 62, fig. 2.
Matthew, W. D. 1909 C, 108.
Merriam and Sinclair 1907 A, 186.
Peterson, O. A. 1906 C, 47.
1920 A, 404, 414, pl. lvii; text-fig. 10.
Troxell, E. L. 1921 F, 49, fig. 6.
Troxell, E. L. 1921 G, 197, 198, 201, 203, figs. 1, 3, 5.
1922 D, 34.
Wood, H. E. 1927 B, 71.
Oligocene or Miocene (John Day); Oregon.

Diceratherium cuspidatum Troxell.

Troxell, E. L. 1921 G, 204, fig. 7.
Wood, H. E. 1927 B, 71.
Oligocene (Middle John Day); Oregon.

Diceratherium gregorii Peterson.

Peterson, O. A. 1920 A, 402, 421, pl. lix; text-fig. 12.
Troxell, E. L. 1921 G, 208 (Metacænopus. "Of doubtful validity").
Miocene (Lower Rosebud); South Dakota.

Diceratherium? hesperium (Leidy).

Hay, O. P. 1902 A, 644.
Becker, G. F. 1891 A, 189 (Rhinoceros).
Cooper, J. G. 1875 A, 390 (Rhinoceros).
Hay, O. P. 1927 D, 228 (Rhinoceros).
Knowlton, F. H. 1911 D, 63 ("rhinoceros").
Leidy, J. 1880, in Whitney, J. D. 1879 B, 243 (Young rhinoceros).
Lindgren, W. 1911 A, 51 (Rhinoceros).
Loomis, F. B. 1908 A, 52, 55, 62, fig. 5.
Merriam and Sinclair 1907 A, 186 (Aceratherium).
Osborn, H. F. 1904 D, 308, fig. 2 (Rhinoceros).
Peterson, O. A. 1920 A, 411, text-fig. 6 (This genus?).
Schlosser, M. 1901 B, 308 (Aceratherium).
Stock, C. 1920 A, 272 (Rhinoceros).
Troxell, E. L. 1921 G, 201 (Not valid).
Whitney, J. D. 1865 A, 251 ("rhinoceros"); 268 (Rhinoceros hesperius).
1879 B, 283 ("rhinoceros").
Wilson, T. 1901 A, 312 ("rhinocéros").
Yates, L. G. 1903 A, 117 (Rhinoceros).
The generic position of this species is doubtful.
Pleistocene?; California: Miocene? (John Day); Oregon: (Auriferous gravels?); California.

Diceratherium lobatum Troxell.

Troxell, E. L. 1921 G, 199, 202, 205, figs. 1, 6.
Wood, H. E. 1927 B, 71, tab. vb.
Oligocene (John Day); Oregon.

Diceratherium niobrarense Peterson.

Peterson, O. A. 1906 D, 281, 282 (D. niobrarensis).
Breunig, S. 1924 A, 12 (Metacænopus egregius).
Cook, H. J. 1908, in Loomis, F. B. 1908 A, 61, fig. 15 (Aceratherium egrerius).
1908 A, 543, figs. 1, 2 (Aceratherium egregium).
1909 C, 245, pl. i (M. egregius).
1912 A, 31 (M. egregius).
1912 D, 40 (D. niobrarensis); 41 (Metacœnopus egregius).
Loomis, F. B. 1908 A, 52, 56, 62, fig. 1 (D. niobrarense); 61, fig. 15 (Aceratherium egrerius).
Matthew, W. D. 1909 C, 113.

O'Harra, C. C. 1920 A, 156 (D. niobrariense, Metacænopus egregius).
Peterson, O. A. 1906 C, 46, pls. xiii, xiv; text-fig. 11.
1920 A, 403, 424, pls. lx-lxii; text-figs. 13-15.
Troxell, E. L. 1921 G, 197, 208 (Metacænopus).
Wood, H. E. 1927 B, 71.
Lower Miocene (Lower Harrison); Nebraska.

Diceratherium oregonense (Marsh).

Hay, O. P. 1902 A, 644.
Loomis, F. B. 1908 A, 52, 60, 62, fig. 13.
Matthew, W. D. 1909 C, 114 (Aphelops).
Merriam and Sinclair 1907 A, 195 (Aceratherium).
Peterson, O. A. 1920 A, 412, fig. 7 (Genus and species indeterminable).
Troxell, E. L. 1921 G, 198, 201, fig. 4 (This genus?).
Yates, L. G. 1903 A, 117 (Rhinoceros. This species?).
Middle Miocene (Mascall); Oregon.

Diceratherium? pacificum (Leidy).

Hay, O. P. 1902 A, 644.
Buwalda, J. P. 1914 B, 306 (Diceratherium. This species?).
Cope and Matthew 1915 A, pl. civ, figs. 3, 4; pl. cv, figs. 6-18 (Aceratherium, Diceratherium).
Loomis, F. B. 1908 A, 55, 62, fig. 6.
Matthew, W. D. 1909 C, 108 (Cænopus?).
Merriam and Sinclair 1907 A, 186 (Aceratherium).
Peterson, O. A. 1920 A, 410; text-fig. 5 (This genus?).
Troxell, E. L. 1921 G, 201 (Not valid).
Oligocene (John Day); Oregon: (Truckee beds); Nevada.
The generic position of this species is doubtful.

Diceratherium petersoni Loomis.

Loomis, F. B. 1908 A, 57, 62, fig. 7.
Cook, H. J. 1912 D, 40.
Peterson, O. A. 1920 A, 413, fig. 9 ("incertæ sedis").
Troxell, E. L. 1921 G, 208 (Syn. of Metacænopus egregius).
Miocene (Lower Harrison); Nebraska.

Diceratherium truquianum (Cope).

Hay, O. P. 1902 A, 644.
Matthew, W. D. 1909 C, 108 (Cænopus).
Merriam and Sinclair 1907 A, 186 (Aceratherium).
Peterson, O. A. 1920 A, 412, fig. 8.
Troxell, E. L. 1921 G, 201 (Not valid species).
Upper Oligocene or Miocene? (John Day); Oregon.
The generic position of this species is in doubt.

Diceratherium sp. indet.

Condon, T. 1902 A, 118, pls. xiii-xv ("rhinoceros").
1910 A, 99, pls. xiii-xv ("rhinoceros").
Cook, H. J. 1912 D, 40. Miocene (Monroe Creek); Nebraska: 42. Miocene (Upper Harrison); Nebraska.
Lambe, L. M. 1914 H, 402. Oligocene; Wyoming.
Matthew, W. D. 1909 C, 113. Lower Miocene (Harrison, Rosebud); Nebraska, South Dakota.
Peterson, O. A. 1906 C, 24. Miocene (Monroe Creek); Nebraska.
Young and Cooper 1926 A, 5.

Menoceras Troxell. Type *Diceratherium cooki* Peterson.

Troxell, E. L. 1921 G, 206.
Weber and Abel 1928 A, 667.
Wood, H. E. 1927 B, 58, 70, 80.

Menoceras cooki (Peterson).

Peterson, O. A. 1906 D, 282 (Diceratherium).
Unless otherwise indicated, the authors, as quoted, use for this species the generic name *Diceratherium*.
Abel, O. 1926 B, 374, fig. 241 (Diceratherium, Menoceras).
Barbour, E. H. 1906 C, 780, figs. 1, 2 (D. arikarense).
1906 D, 313, figs. 1-5 (D. arikarense).
1909 A, 252 (D. arikarense).
1909 B, 253, pl. i (D. arikarense).
1912 A, 51 (D. arikarense).
Cook, H. J. 1912 A, 29, figs. 1-3 (D. loomisi); 29 (D. aberrans); 30 (D. cooki, D. schiffi).
1912 D, 40 (D. cooki; D. arikarense; D. schiffi); 41 (D. aberrans; D. loomisi; Metacœnopus? stigeri).
Loomis, F. B. 1908 A, 57, 62, fig. 8 (D. schiffi); 58, 62, fig. 9 (D. cooki); 59, 62, fig. 10 (D. aberrans); 60, fig. 14 (Aceratherium stigeri).
Loomis, F. B. 1923 A, 222 (Diceratherium).
Matthew, W. D. 1909 C, 113.
1923 D, 359, figs. 6, 11.
Moodie, R. L. 1923 B, 270, pl. lii (D. cooki).
O'Harra, C. C. 1910 A, 90 (D. schiffi).
1920 A, 156, pl. xxvi (D. cooki); 96, 156 (D. schiffi, D. arikarense).
Peterson, O. A. 1906 C, 47, pl. xv; text-figs. 12, 13.
1911 C, 274, pl. xlv.
1912 A, 801 (D. cooki, D. aberrans, D. loomisi).
1920 A, 404, 406, pl. lviii; pls. lx-lxvi; text-figs. 4, 16-37; 409 (D. schiffi).
1923 A, 91 (Diceratherium).
Scott, W. B. 1913 A, 239, fig. 129.
Troxell, E. L. 1921 G, 206, fig. 2 (Menoceras cooki, Diceratherium aberrans, D. arrikarense, D. loomisi, D. schiffi, D. stigeri).
1922 D, 34.
Wood, H. E. 1927 B, 10, 55, 58, tab. vii.
Young and Cooper 1927 A, 1, 2, 4, fig. (D. cooki).
Lower Miocene (Lower Harrison); Nebraska, Wyoming.

ACERATHERIINÆ Osborn.

Osborn, H. F., in Osborn and Wortman 1892 A, 93.
Hay, O. P. 1902 A, 645 (Elasmotheriinæ).
Breunig, S. 1924 A, 11, 36.
Dollo, L. 1885 C, 295 (Acerotheriinæ).
Lydekker, R. 1898 C, 88.
Osborn, H. F. 1901 H, 505.
1909 D, 61, 64, 67, 68.
Osborn, H. F. 1910 B, 605.
1923 F, 213 ("acerathères").
Ringström, T. 1924 A, 73.
Schlosser, M. 1898 C, 390.
1903 C, 555, 558 (Aceratherinæ).
Trouessart, E. L. 1905 A, 626 (Elasmotheriinæ).
Weber and Abel 1928 A, 667, 668.

ACERATHERIUM Kaup. Type *Rhinoceros incisivus* Cuvier.

Hay, O. P. 1902 A, 645.
Abel, O. 1910 E, 8.
1914 A, 241.
Arldt, T. 1907 D, 635.
Beddard, F. E. 1902 A, 259.
Breunig, S. 1924 A, 11.
Bronn, H. G. 1838 A, 1289 (Acerotherium).
1848 A, 6.
Cooper, C. F. 1924 B, 387.
Cope, E. D. 1880 U, 156.
Cossman, M. 1899 A, 82.
1901 B, 188.
Depéret, C. 1904 B, 13, 17 (Acerotherium).
1912 A, 708.
Douglass, E. 1909 C, 231, 283.
Filhol, H. 1881 A, 1 (Acerotherium).
Gervais, P. 1859 A, 101.
Hoernes, R. 1886 A, 669.
Laloy, L. 1907 A, 585.
Lobley, J. L. 1908 A, 212.
Loomis, F. B. 1908 A, 52 ("acerathères").
Osborn, H. F. 1907 G, 75, fig. 181.
1910 B, 605.
Palacký, J. 1903 B, 311.
Pictet, F. J. 1853 A, 296 (Acerotherium).
Roman, F. 1912 A, 9, 27 (Acerotherium).
Schlosser, M. 1898 C, 376.
1901 B, 304, 308.
1902 J, 257.
1903 G, 145.
1903 I, 67, 180, 209.
Schmidt, O. 1886 A, 195.
Seeley, H. G. 1878 A, 223 (Acerotherium).
Toula, F. 1902 A, 91.
Troxell, E. L. 1921 F, 42.
Weber, M. 1904 A, 625.
Zittel and Schlosser 1911 A, 452.
1923 A, 537.

At present no North American species are referred to this genus.

EPIAPHELOPS Cook. Type *E. virgasectus* Cook.

Cook, H. G. 1912 B, 219.
1912 C, 21.

Epiaphelops virgasectus Cook.

Cook, H. J. 1912 B, 219.
1912 C, 21, pl. i.
1912 D, 42.
O'Harra, C. C. 1920 A, 156.
Miocene (Harrison); Nebraska, Wyoming.

APHELOPS Cope. Type *A. megalodus* Cope.

Hay, O. P. 1902 A, 645.
Arldt, T. 1907 D, 258, 260.
Beddard, F. E. 1902 A, 260.
Breunig, S. 1924 A, 21.
Cope, E. D. 1880 U, 157.
Cummins, W. F. 1893 A, 203.
Dollo, L. 1885 C, 295, 297.
Douglass, E. 1909 A, 477.
Freudenberg, W. 1922 A, 10.
Furlong, E. L. 1927 A, 174.
Haug, E. 1911 A, 1705, 1706.
Hay, O. P. 1890 A, 16, 32, 34.
1919 D, 373.
Heilprin, A. 1887 A, 368.
Lane, H. H. 1927 A, 297.
Matsumoto, H. 1921 A, 90.
Matthew, W. D. 1909 C, 119.
1915 A, 240.
1917 A, 576.
1918 A, 202, 204.
1918 E, 153.
1924 C, 70.
1924 E, 748.
1926 A, 50.
1928 B, 979, fig. 15.
Matthew and Cook 1909 A, 300, 366.
1909 B, 197.
Merriam, J. C. 1917 A, 437.
Osborn, H. F. 1909 D, 78, 81.
1910 B, 606.
Palmer, T. S. 1904 A, 112, 939.
Peterson, O. A. 1928 A, 101 (Aphalops).
Schlosser, M. 1901 B, 304.
Trouessart, E. L. 1905 A, 627.
Wallace, A. R. 1876 A, I, 119, 136 (Acerotherium).
Weber and Abel 1928 A, xx, 668.
Zittel and Schlosser 1911 A, 453.
1923 A, 538, 673, 679, 680.

Aphelops brachyodus Osborn.

Osborn, H. F. 1904 D, 322, fig. 19 [A. (Diceratherium?)].
Matthew, W. D. 1909 C, 116 (Aphelops?).
O'Harra, C. C. 1920 A, 158.
Upper Miocene (Arikaree); South Dakota.

Aphelops ceratorhinus Douglass.

Douglass, E. 1903 A, 154, 195, figs. 33-35 (This genus?).

Cope and Matthew 1915 A, pl. cxlii.
Douglass, E. 1908 A, 258, 260, pl. lxiv; text-figs. 2-5.
Matthew, W. D. 1909 C, 116 (Aphelops?).
1918 A, 202, 204, fig. 9.
Osborn, H. F. 1904 D, 317, figs. 12, 13, 14.
1909 D, 80.
Peterson, O. A. 1928 A, 101, pl. x, figs. 1, 2, 5, 10-19 (Aphalops). Miocene or Pliocene (Brown's Park); Colorado: Upper Miocene (Arikaree); Montana.

Aphelops crassus (Leidy).

Hay, O. P. 1902 A, 645.
Matthew, W. D. 1901 B, 373 (Teleoceras).
1909 C, 116 (Teleoceras).
1918 B, 204 (Aphelops?).
1924 C, 66 (This species?).
Merrill, G. P. 1907 A, 59 (Rhinoceros).
Osborn, H. F. 1904 D, 308 (Rhinoceros).
Lower Pliocene (Upper Snake Creek); Nebraska: Upper Miocene (Arikaree); Nebraska, Texas.

Aphelops jemezanus Cope.

Hay, O. P. 1902 A, 646.
Matthew, W. D. 1901 B, 373 (Teleoceras).
1909 C, 116 (Aphelops?).
Merrill, G. P. 1907 A, 23.
Osborn, H. F. 1904 D, 310.
Upper Miocene (Arikaree): New Mexico.

Aphelops longipes (Leidy).

Hay, O. P. 1902 A, 646 (A. malacorhinus, in part).
1923 A, 479.
Matson and Clapp 1909 A, 137 (Rhinoceros).
Merrill, G. P. 1907 A, 59 (Rhinoceros).
Osborn, H. F. 1904 D, 314 (Rhinoceros).
1923 F, 215.
Sellards, E. H. 1914 A, 162 (A. malachorinus).
Trouessart, E. L. 1905 A, 627 (Syn. of A. malacorhinus).
Upper Pliocene or Lower Pleistocene (Alachua); Florida.

Aphelops malacorhinus Cope.

Hay, O. P. 1902 A, 646.
Cope and Matthew 1915 A, pls. cxxxix-cxliii.
Lane, H. H. 1927 A, 298 (Peraceras).
Matson and Clapp 1909 A, 137.
Matthew, W. D. 1901 B, 373 (Teleoceras).
1909 C, 116 (Aphelops?).
1918 A, 204.
1924 C, 150.
Merriam, J. C. 1917 A, 438, 439.
Merrill, G. P. 1907 A, 23.
Osborn, H. F. 1904 D, 307, 311, 314, figs. 5, 20, 21.
1909 D, 81.
1923 F, 214.
Pavlow, M. 1915 A, 17.
Sellards, E. H. 1916 B, 94.
Trouessart, E. L. 1905 A, 627.
Upper Miocene or Lower Pliocene (Republican River); Kansas, Nebraska?, Florida?.

Aphelops malacorhinus mutilus Matthew.

Matthew, W. D. 1924 C, 66 (A. mutilus); 150, figs. 41-43 (A. malacorhinus mutilus).
Lower Pliocene (Upper Snake Creek); Nebraska.

Aphelops? matutinus (Marsh).

Hay, O. P. 1902 A, 646.
Osborn, H. F. 1904 D, 309 (Rhinoceros).
Rhoads, S. N. 1903 A, 236 (Aceratherium).
Miocene; New Jersey.

Aphelops megalodus Cope.

Hay, O. P. 1902 A, 646.
Cook, H. J. 1927 B, 2.
Cope, E. D. 1891 N, 86, fig. 58.
Cope and Matthew 1915 A, pls. cxxv-cxvii; pls. cxix, cxxx, cxxxiv, fig. 3; pl. cxxxv, fig. 1.
Douglass, E. 1908 A, 259.
Matthew, W. D. 1909 C, 114.
1918 A, 203, pls. iv, v; text-fig. 10.
1924 C, 66, 150.
Osborn, H. F. 1904 D, 309, 324, figs. 3, 20, 21.
1923 F, 214.
Pavlow, M. 1915 A, 16.
Sternberg, C. H. 1909 C, 123.
Trouessart, E. L. 1905 A, 627.
Woodward, A. S. 1898 B, 334, fig. 192 [Aceratherium (Aphelops]).
1923 C, 29, fig. 11 (Aceratherium).
Middle Miocene (Pawnee Creek); Colorado. (Sheep Creek and Lower Snake Creek); Nebraska.

Aphelops meridianus (Leidy).

Hay, O. P. 1902 A, 646.
Deussen, A. 1924 A, 97, 99, explan. pl. xxviii (Cœnopus sp.).
Dumble, E. T. 1894 A, 558.
1903 A, 957.
1915 A, 473.
1920 A, 238.
Matthew, W. D. 1918 A, 204 (Aphelops??).
1920 E, 238.
Merrill, G. P. 1907 A, 59 (Rhinoceros).
Osborn, H. F. 1904 D, 308 (Rhinoceros).
Miocene (Oakville): Texas.

Aphelops montanus Douglass.

Douglass, E. 1908 A, 256, pl. lxiii; text-fig. 1.
Matthew, W. D. 1918 A, 204.
Middle Miocene (Flint Creek): Montana.

Aphelops planiceps Osborn.

Osborn, H. F. 1904 D, 321, fig. 18 [A. (Peraceras?)].
Matthew, W. D. 1909 C, 114.
1918 A, 209.
Middle Miocene (Pawnee Creek); Colorado.

Aphelops profectus (Matthew).

Hay, O. P. 1902 A, 646.
Matthew, W. D. 1901 B, 358, 373.
1909 C, 114.

Osborn, H. F. 1904 D, 317, fig. 15 (Aceratherium).
Trouessart, E. L. 1905 A, 627.
Middle Miocene (Pawnee Creek); Colorado.

Aphelops sp. indet.

Cook, H. J. 1912 D, 44 (Pliocene Snake Creek); Nebraska.
Deussen, A. 1924 A, 97. Miocene (Oakville); Texas.
Dumble, E. T. 1920 A, 232, 237 (This genus?). Neocene (Fleming); Texas.
Gidley, J. W. 1918 C, 180 (This genus?). Late Tertiary (Flaxville); Montana.
Gilbert, G. K. 1875 A, 543. (Rhinoceros) Pliocene?; New Mexico.
Hay, O. P. 1923 A, 479. Pleistocene?, Pliocene?; Florida.
1927 D, 101 (This genus?). Pleistocene; Oregon: 101, 266 (This genus?). Pleistocene (Idaho); Idaho.
Matthew, W. D. 1909 C, 114. Middle Miocene; Montana.
Matthew, W. D. 1915 L, 471, 472 (This species?). Miocene (Fleming); Texas.
1918 A, 205, figs. 12, 13. Pliocene (Snake Creek); Nebraska.
1920 E, 232, 237 (This genus?). Neocene (Fleming); Texas.
1923 A, 12. Lower Pliocene (Upper Snake Creek); Nebraska.
Merriam, J. C. 1911 B, 205, 214, 266, figs. 37, 38 (This genus?). Miocene (Virgin Valley); Nevada.
1917 A, 436. Pliocene (Snake Creek); Nebraska.
Merrill, G. P. 1907 A, 23 (This genus). Pliocene; Florida.
Moodie, R. L. 1923 B, 258, fig. 24.
Sellards, E. H. 1915 D, 106, 108, figs. 37-39 (This genus?). Miocene or Pliocene; Florida.
Sinclair, W. J. 1915 A, 76. Pliocene (Snake Creek); Nebraska.
Stock and Furlong 1926 A, 49, pl. ix. Pliocene (Ricardo); California.
Young and Cooper 1926 A, 5.
1927 A, 1.

PARAPHELOPS Lane. Type *P. rooksensis* Lane.

Lane, H. H. 1927 A, 300.

Paraphelops rooksensis Lane.

Lane, H. H. 1927 A, 300, pls. xxii-xxv.
Osborn, H. F. 1904 D, 312, "No. 10878" (Peraceras superciliosus).
Upper? Miocene (Republican River); Kansas: "Loup Fork"; South Dakota.

PERACERAS Cope. Type *Aphelops superciliosus* Cope.

Hay, O. P. 1902 A, 645 (Aphelops, in part).
Beddard, F. E. 1902 A, 262.
Cook, H. J. 1927 B, 1.
Dollo, L. 1885 C, 295, 299.
Haug, E. 1911 A, 1706.
Laloy, L. 1907 A, 585.
Lane, H. H. 1927 A, 297.
Matsumoto, H. 1921 A, 90.
Matthew, W. D. 1909 C, 119.
1918 A, 202, 207.
1918 E, 153.
1924 C, 69, 151.
1926 A, 50.
Osborn, H. F. 1909 D, 79, 80, 81.
1910 B, 348, 349, 350, 352, 557.
1912 G, 250.
1918 A, 27.
Palmer, T. S. 1904 A, 521, 940.
Scott, W. B. 1913 A, 332.
Stock and Furlong 1926 A, 4.
Weber and Abel 1928 A, xxii, 668.
Zittel and Schlosser 1911 A, 453.
1923 A, 538.

Peraceras superciliosus Cope.

Hay, O. P. 1902 A, 646 (Aphelops).
Cope and Matthew 1915 A, pls. cxliv, cxlivb.
Lane, H. H. 1927 A, 306.
Matthew, W. D. 1901 B, 373 (Teleoceras).
1909 C, 116.
1918 A, 186, 203, 207, fig. 10.
1924 C, 151.
Merriam, J. C. 1917 A, 438.
Osborn, H. F. 1904 D, 307, 312, 324, figs. 6, 20, 21.
Lower Pliocene (Republican River); Kansas, Nebraska.

Peraceras troxelli Matthew.

Matthew, W. D. 1918 A, 208, pls. vi-ix; text-fig. 9.
1924 C, 151.
Pliocene (Lower); Nebraska.

Peraceras sp. indet.

Matthew, W. D. 1923 A, 12. Lower Pliocene (Upper Snake Creek); Nebraska.
1924 C, 66, 150. Lower Pliocene (Snake Creek); Nebraska.
Stock and Furlong 1926 A, 50 (This genus?). Pliocene (Ricardo); California.

TELEOCERATINÆ Hay.

Hay, O. P. 1902 A, 646.
Breunig, S. 1924 A, 21 (Brachypodinæ).
Osborn, H. F. 1901 H, 505 (Brachypodinæ).
1909 D, 76, 136 (Teleocerinæ)

Osborn, H. F. 1910 B, 633.
1923 F, 216 (Brachypodinæ).
Palmer, T. S. 1904 A, 773, 939.
Schlosser, M. 1903 C, 557 (Brachypodinæ).
Weber and Abel 1928 A, 669 (Teleocerinæ).

Teleoceras Hatcher. Type *T. major* Hatcher.

Hay, O. P. 1902 A, 646.
Bach, F. 1909 A, 760.
Beddard, F. E. 1902 A, 260 (Syn. of Aphelops)
Breunig, S. 1924 A, 21.
Cooper, C. F. 1924 B, 372, 385.
Depéret, C. 1906 B, 1121.
Gregory, W. K. 1912 F, 288.
Haug, E. 1911 A, 1705, 1706.
Hay, O. P. 1919 D, 373.
1923 A, 497.
Lane, H. H. 1927 A, 297.
Lee, Stone and Gale 1915 A, 34, pl. vi.
Matsumoto, H. 1918 C, 80.
1921 A, 76, 87, 88.
Matthew, W. D. 1909 C, 119.
1915 A, 240.
1917 A, 576.
1918 A, 201, 209.
1918 E, 153.
1924 C, 70.
1924 E, 748.
1926 A, 50.
1928 B, 979, fig. 15.
Matthew and Cook 1909 A, 366, 384.
1909 B, 197.
Merriam, J. C. 1917 A.
Osborn, H. F. 1902 D, 263, fig. 3.
1904 D, 315.
1905 I, 92.
1907 G, 232, fig. 212.
1909 D, 136.
1910 B, 633.
1918 A, 24, 33.
1923 F, 216, 225, fig.
Palmer, T. S. 1904 A, 667, 940.
Pilgrim, G. E. 1912 A, 30.
1913 A, 312.
Repelin, J. 1916 A, 982.
Ringström, T. 1924 A, 26, 66, 68.
Rogers, A. F. 1924 A, 545.
Schlosser, M. 1901 B, 307.
1902 J, 242.
1903 I, 211.
Scott, W. B. 1913 A, 331, 350.
Spencer, J. W. 1898 A, 26 ("rhinoceros").
Sternberg, C. H. 1906 A, 72.
Weber, M. 1904 A, 627.
Weber and Abel 1928 A, 670.
Zittel and Schlosser 1911 A, 453.
1923 A, 538, 673, 679.

Teleoceras felicis Freudenberg.

Freudenberg, W. 1922 A, 5 (Syn.? of Rhinoceros longipes Leidy).
1921 A, 139 [T. (Aphelops); name only].
Felix and Lenk 1891 A, 133, pl. xxx, fig. 9 (Aphelops sp.).
Pleistocene?; Mexico.

Teleoceras fossiger (Cope).

Hay, O. P. 1902 A, 646.
Barbour, E. H. 1914 C, 222.
Barbour, E. H. 1915 A, 92.
Beddard, F. E. 1902 A, 261, fig. 135 (Aphelops).
Cockerell, T. D. A. 1923 D, 276, figs. 6, 7.
Cook, H. J. 1927 B, 1.
Cope and Matthew 1915 A, pls. cxxxi, cxxxii (Aphelops, Teleoceras, Eusyodon); pl. cxxxiii; pl. cxxxiv, figs. 1, 2; pl. cxxxv, fig. 2; pl. cxxxvi (T. = Eusyodon); pl. cxxxvii (Aphelops, Teleoceras); pl. cxxxviii.
Felix and Lenk 1891 A, 133, pl. xxx, fig. 9.
Figgins, J. D. 1921 A, 11, 19, 2 figs. (Teleoceros).
Freudenberg, W. 1922 A, 5, 19 (Rhinoceros, Aphelops).
Gidley, J. W. 1903 C, 634 (Aphelops).
Hay, O. P. 1927 D, 266-269.
Koken, E. 1901 B, 223.
Lane, H. H. 1927 A, 299.
Lindgren, W. 1900 A, 99 (Aphelops).
Lucas, F. A. 1900 in Lindgren, W.
1900 A, 99.
Matsumoto, H. 1921 A, 87.
Matthew, W. D. 1901 B, 373.
1909 C, 116.
1918 A, 202, 206, fig. 9 (T. fossiger); 209 (T. major, a syn.).
1923 A, 12 (This species?).
1924 C, 66, 73 (This species?).
Merriam, J. C. 1917 A, 428, 429, 438 (This species?); 432 (Aphelops).
Merriam and Stock 1928 A, 17, pls. ii, iii; text-fig. 11.
Merriam, Stock, Moody 1925 A, 54, 81, fig. 36 ("T.? near fossiger"). Pliocene (Rattlesnake); Oregon.
Merrill, G. P. 1907 A, 23 (Aphelops), 20 (Aceratherium acutum); 27 (Aphelops fossiger. This species?).
Newberry, J. S. 1870 D, 28 ("rhinoceros." This species?).
Osborn, H. F. 1899 K, 274, fig. 5.
1904 D, 307, 310, figs. 1, 4, 20, 21 (Aphelops); 313 (Aceratherium acutum, a syn.).
1904 F, 29, 48.
1905 I, pl. viii.
1910 B, 349, 350, fig. 161.
1923 F, 217, fig.
Palacký, J. 1903 B, 105 ("rhinoceros").
Pavlow, M. 1915 A, 16.
Pilgrim, G. E. 1912 A, 31.
Ringström, T. 1924 A, 70, figs. 49, 91.
Schlosser, M. 1901 H, 499-500.
1903 I, 62.
Scott, W. B. 1913 A, 230, fig. 125.
Sternberg, C. H. 1899 B, 105 ("rhinoceros").
1906 A, 72 (Aphelops).
1907 C, 123.
1909 C, 127, 134, fig. 25.
Stock, C. 1925 A, 18.
Stock and Furlong 1926 A, 49.
Toula, F. 1902 A, 9 (Aceratherium).
Trouessart, E. L. 1905 A, 627.
Troxell, E. L. 1916 A, 347.

Villada, M. M. 1903 A, 447, pl. iii (Aphelops. This species?).
Weber and Abel 1928 A, 669, fig. 457.
Wood, H. E. 1927 B, tab. vii.
Zittel and Schlosser 1911 A, 453.
1923 A, 538, fig. 667.
Pliocene (Republican River); Kansas: Lower Pliocene (Upper Snake Creek); Nebraska: Pliocene?; Colorado: Pleistocene? (Idaho); Idaho.

Teleoceras hicksi Cook.

Cook, H. J. 1927 B, 1, 4, figs.
Pliocene; Colorado.

Teleoceras major Hatcher.

Hay, O. P. 1902 A, 646 (T. fossiger, in part).
Lane, H. H. 1927 A, 299.
Matthew, W. D. 1918 A, 209 (Syn? of T. fossiger).
Osborn, H. F. 1904 D, 314, fig. 10.
Miocene (Upper); Nebraska.

Teleoceras medicornutus Osborn.

Osborn, H. F. 1904 D, 319, fig. 17.
Matsumoto, H. 1921 A, 87.
Matthew, W. D. 1909 C, 114.
1918 A, 203, fig. 10.
1924 C, 66, 72, 150.
Osborn, H. F. 1905 I, 106, pl. vii, fig. 1 (T. bicornutus).
1910 B, 252, 292, 352, fig. 127.
Ringström, T. 1924 A, 66.
Scott, W. B. 1913 A, 333.
Upper Miocene (Pawnee Creek); Colorado: (Lower Snake Creek); Nebraska.

Teleoceras minor Olcott.

Olcott, T. F. 1909 A, 403.
Ringström, T. 1924 A, 66.
Miocene (Arikaree); Nebraska.

Teleoceras proterus (Leidy).

Leidy, J. 1885 A, 33 (Rhinoceros).
Hay, O. P. 1902 A, 646 (T. fossiger, in part).
Allen, G. M. 1926 A, 454 (This genus?).
Gidley, J. W. 1915 D, 21 (T. fossiger).
Hay, O. P. 1923 A, 497.
Leidy, J. 1885 C, 834 (Rhinoceros).
Matson, G. C. 1915 A, 37, pl. xii, fig. E ("rhinoceros").
Matson and Clapp 1909 A, 136 (Rhinoceros).
Matthew, W. D. 1909 C, 116 (T. fossiger, in part).
Merriam, J. C. 1917 A, 439 (T. fossiger proterus).
Merriam, Stock, Moody 1925 A, 81 (T. fossiger).
Merrill, G. T. 1907 A, 60 (Rhinoceros).
Neal, J. C. 1885 A, 834 (Rhinoceros).
Osborn, H. F. 1904 D, 313 (Rhinoceros proterus, Eusyodon maximus, syns. of T. fossiger).
1910 B, 348 (T. fossiger).
Sellards, E. H. 1914 A, 162 (T. fossiger).
1915 A, 135 (T. fossiger).
1915 D, 72 (T. fossiger).
1916 B, 94 (T. fossiger proterus).
Spencer, J. W. 1895 A, 131 (Rhinoceros).
Trouessart, E. L. 1905 A, 627 (Syn. of T. fossiger).
Pliocene? (Alachua); Florida.

Teleoceras sp. indet.

Barbour, E. H. 1927 A, 133. Pleistocene? (Early); Nebraska.
Barbour and Cook 1917 A, 172. Pliocene (Devil's Gulch); Nebraska.
Cook, H. J. 1912 D, 44. Pliocene (Snake Creek); Nebraska.
Douglass, E. 1908 A, 263, fig. 7 (This genus?).
Dumble, E. T. 1920 A, 232 (This genus?). Neocene (Fleming); Texas.
Felix and Lenk 1891 A, 133, pl. xxx, fig. 9 ("Aphelops sp." This genus?). Pliocene or Pleistocene; Mexico.
Freudenberg, W. 1922 A, 4. Pliocene; Mexico.
Gidley, J. W. 1918 C, 180 (This genus?). Late Tertiary (Flaxville); Montana.
Hay, O. P. 1923 A, 380. Pliocene? (Phosphate mines); Florida.
1924 D, 312. Pliocene?; Montana.
Matthew, W. D. 1909 C, 114. Miocene (Arikaree); South Dakota.
1918 A, 186, 210, 211, fig. 14. Pliocene (Snake Creek); Nebraska.
1920 E, 232 (This genus?). Neocene (Fleming); Texas.
Merriam, J. C. 1911 B, 216, 267 (This genus?). (Virgin Valley and Thousand Creek beds); Nevada.
1917 A, 425, 426 (This genus?). (Etchegoin): California; 436 (Snake Creek); Nebraska.
Rath, G. 1886 A, 106 ("Rhinoceros." This genus?). Pliocene?; Mexico.
Sellards, E. H. 1915 D, 72, figs. 37-39. Pliocene; Florida.
Sinclair, W. J. 1915 A, 76. Pliocene (Snake Creek); Nebraska.
Stock, C. 1921 A, 258, fig. 7 (This genus?). Pliocene? (Panaca); Nevada.

Order ARTIODACTYLA Owen.

Hay, O. P. 1902 A, 647.
Abel, O. 1904 B, 743 ("artiodactylen").
1910 B (186).
1912 D, 604 ("paraxonier").
1912 F, 236 ("paraxonier").
1913 B, 729, 737.
1914 A, 121.
1919 A, 799.
1920 A, 434.
Abel, O. 1921 A, 253 ("artiodaktylen").
Adloff, P. 1920 A, 181 ("artiodactylen").
Allen, J. A. 1913 B, 454 ("artiodactyls").
Ameghino, F. 1889 A, 1006.
1897 B, 262 ("artiodactyles").
1906 A, 341, 404 ("artiodactyles").
1912 B, 171 ("artiodactyles").
Bayer, F. 1897 A, 149.
Beddard, F. E. 1902 A, 269.

Behlen, H. 1906 A ("paarhufer").
Bensley, B. A. 1901 C, 252.
1902 A, 4 ("artiodactyls").
Bertelli, D. 1909 A, 166 ("artiodattili").
Black, D. 1915 A, 353.
Blainville, H. M. D. 1819 A, 41 ("ongulés à système de doigts pair").
Boas, J. E. V. 1884 B, 394 ("artiodactylen").
1914 B, 577, 589 ("artiodactylen").
Branca, W. 1907 A, 9.
Broom, R. 1915 A, 162.
Brown, A. E. 1904 B, 56.
Burmeister, H. 1879 B, 452 (Paridigitata).
Carus, V. 1875 A, 140.
Clark and Sonntag 1926 A, 454.
Cope, E. D. 1885 BB, 72.
1891 N, 84, 90.
Depéret, C. 1904 B, 43 ("paridigités").
1907 B ("paridigités").
Dollo, L. 1889 D, 680 ("artiodactyles").
Doran, A. H. G. 1878 A, 421.
Fairchild, H. L. 1894 A, 207.
Flower, W. H. 1873 B, 95 ("artiodactyles").
1892 A, 13.
Frassetto, F. 1915 A ("artiodattili").
Freund, L. 1906 A, 115 ("wiederkäuer").
Gaudry, A. 1908 A, 1133 ("artiodactyles").
Gaupp, E. 1905 D, 1037.
1906 B, 850.
1913 A, 125 ("artiodactylen").
Gervais, P. 1852 A, 68, 197, explan. pl. xxxvi ("bisulques").
1859 A, 129 ("bisulques").
Gregory, W. K. 1910 A, 90, 347, 400-406, 410, 448, 456, 466.
1912 F, 294.
1920 A, 186, 243.
Haeckel, E. 1868 A, 478.
1873 A, 544, 554.
Hay, O. P. 1912 D, 594.
1914 A, 210.
Heilprin, A. 1887 A, 373.
Hensel, R. 1879 A, 554 ("paridigitaten").
Hescheler, K. 1906 A, 30 ("paarhufer").
Hilzheimer, M. 1913 A, 567 ("paarhufer").
Hoernes, R. 1886 A, 672.
Hogben, L. T. 1919 A, 75 ("artiodactyls").
Huxley, T. H. 1863 E, 555.
1870 F, 527.
1880 E, 460 ("artiodactyles").
Jaekel, O. 1911 A, 232 (Diungulati).
Kampfen, P. N. 1905 A, 583.
Kingsley, J. S. 1925 A, 213, 261, 299, fig. 320.
Knottnerus-Meyer, T. 1907 A, 6, 97, 102.
Koken, E. 1893 B, 482, 500 ("paarhufer").
Kükenthal, W. 1913 A, 682.
Leche, W. 1887 A.
1900 A, 1035.
Leunis and Ludwig 1883 A, 236.
Loomis, F. B. 1925 B, 226 ("artiodactyls").
1925 E, 583.
Lubosch, W. 1926 A, 116, fig. 9 ("paarhufer").
Lull, R. S. 1904 C, 2.
1917 B, 295.
Lydekker, R. 1907 B, 13.
1913 B, 3.
Major, C. J. F. 1880 A, 26, 35 (Paridigitata).
1899 B, 62.
Matthew, W. D. 1901 B, 395.
1909 C, 122.
1909 D, 302, 333, 485, 550.
1910 G, 160.
1915 A, 241, 254, fig. 27.
1915 K, 456.
1921 D, 214.
1928 B, 948, 961, 964, 968, 970.
Mead, C. S. 1906 A, 482.
Meckel, J. F. 1823 A, 18 ("paarhufer").
Miller, G. S. 1912 B, 383.
1924 C, 481.
Mitchell, P. C. 1905 A, 469.
Moodie, R. L. 1922 C, 365.
Mysberg, W. A. 1917 A, 656.
Osborn, H. F. 1902 E, 356, fig. 1.
1905 H, 216, fig. 2.
1905 I, 99.
1905 N, 242 ("artiodactyls").
1907 G, 14, 84, 171.
1909 D, 122.
1910 B, 687.
1912 A, 94.
1925 B, 18.
1925 C, 750.
Owen, R. 1857 E.
1858 A, 27.
1868 A, 862.
Palacký, J. 1903 B, 305.
Parker and Haswell 1897 A, 452, 506.
Petersen, G. 1921 A.
Peterson, O. A. 1912 B, 162.
Pictet, F. J. 1853 A, 319 ("artiodactyles").
Popowa, N. 1913 A, 279.
Puccioni, N. 1908 A, 41 ("artiodattili").
Rehs, J. 1914 A, 2, 48.
Reynolds, S. H. 1897 A, 489, 533.
Rosenberg, A. 1873 A, 120.
Schlosser, M. 1898 B, 360.
1899 T, 454 ("paarhufer").
1903 A, 288 ("artiodactylen").
1905 A, 324.
1911 A, 165 ("artiodactylen").
Schmidt, O. 1886 A, 127, 135, 189.
Sclater, P. L. 1866 A, 403.
Scott, W. B. 1896 D, 47, 57, 60 ("artiodactyls").
1913 A, 676.
1916 A, 116.
1928 B, 257.
Seeley, H. G. 1878 A, 224.
Sefve, I. 1913 A, 362 ("paraxonier").
Stehlin, H. G. 1909 A, 582 ("artiodactylen").
1910 A, 1134 ("artiodactylen").
1916 B, 1531 ("artiodactylen").
Steinmann, G. 1907 A, 493.
Stromer, E. 1902 B, 561 ("artiodactylen").
1912 A, 195, 244.
Taschenberg, O. 1899 A, 4434.
Terra, P. 1911 A, 316.
Thacker, A. G. 1922 A, 600, 603.
Tornier, G. 1888 A, 226.
1894 B, 103 ("artiodactylen").
1909 C, 540 ("artiodactylen").
Trouessart, E. L. 1905 A, 647.
Underhill, B. M. 1910 A, 81.
Van Bemmelen, J. F. 1918 A, 571.
Wallace, A. R. 1876 A, 1, 126, 137, 146.
Walmsley, T. 1918 A, 326.

Weber, M. 1904 A, 588, 628 (Artiodactyla); 591, 628 (Paraxonia).
Weber and Abel 1928 A, 415, 423, 426, 517, 537, 881, fig. 258.
Wilder, B. 1872 B, 320.
Woodward, A. S. 1898 D, 331, 335.
Woodward, H. 1904 B, 161.
Wortman, J. L. 1903 A, 430.
Wright, R. R. 1883 A, 262.
Zierler, F. E. 1905 A, 514.
Zittel and Schlosser 1911 A, 468.
1923 A, 556, 669.

Suborder SUIFORMES Jaekèl.

Jaekel, O. 1911 A, 233.
Ameghino, F. 1889 A, 1025 (Suina).
Beddard, F. E. 1902 A, 273 (Suina).
Gray, J. E. 1869 A, 325 (Setifera).
Haeckel, E. 1873 A, 554 (Chœromorpha).
Hensel, R. 1879 A, 555 ("bunodonten paarzeher").
Hogben, L. T. 1919 A, 75 (Suina).
Kükenthal, W. 1913 A, 683 (Non-ruminantia).
Lydekker, R. 1913 B, 7 (Suina).
1915 D, 305 (Suina).
Matthew, W. D. 1924 C, 176 (Suina).
Matthew, W. D. 1928 B, 968, 981, fig. 16 ("suillines").
Osborn, H. F. 1910 B, 548 (Suina).
Reynolds, S. H. 1897 A, 466, 523, 556, fig. 94 (Suina).
Rutland, J. 1901 A, 21033 (Omnivora).
Scott, W. B. 1913 A, 361, 362 (Suina).
Terra, P. 1911 A, 317 (Bunodontia).
Weber and Abel 1828 A, 426, 538, 545 (Neobunodontia).
Wright, R. R. 1883 A, 263 (Suina).
Zittel and Schlosser 1911 A, 472 (Bunodontia).
1923 A, 560 (Bunodontia).

Superfamily DICHOBUNOIDÆ, new form.

Gill, T. 1872 B, 10, 81 (Anoplotheroidea).
Stromer, E. 1911 A, 197 (Bunoselenodontia, part).
Weber, M. 1904 A, 688 (Dichobunoidea).
Zittel and Schlosser 1911 A, 476 (Bunoselenodontia, part).
1925 A, 564 (Bunoselenodontia, part).

LEPTOCHŒRIDÆ Marsh.

Marsh, O. C. 1894 L, 273.
Hay, O. P. 1902 A, 656 (Hyotheriinæ, in part).
Matthew, W. D. 1901 B, 443.
1909 C, 104, 106, 109, 111.
O'Harra, C. C. 1910 A, 106, 128.
Osborn, H. F. 1909 D, 63, 69.
Palmer, T. S. 1904 A, 750, 927.
Scott, W. B. 1913 A, 361.
Zittel and Schlosser 1911 A, 475.
1923 A, 563.

LEPTOCHŒRUS Leidy. Type *L. spectabilis* Leidy.

Hay, O. P. 1902 A, 657 (Leptochœrus); 792 (Menotherium).
Delafontaine, M. 1875 A, 171 (Laopithecus).
Giebel, C. G. 1883 A, 124.
Hatcher, J. B. 1901 A, 134.
Haug, E. 1911 A, 1528, 1529.
Hay, O. P. 1923 A, 14.
Heilprin, A. 1887 A, 400 (Laopithecus).
Matthew, W. D. 1901 B, 369, 375, 443.
1909 C, 111.
1915 K, 420.
1924 E, 748.
Osborn, H. F. 1902 C, 169.
1905 H, 219 (Laopithecus, Menotherium).
1905 I, 104 (Laopithecus, Menotherium).
1907 G, 173, fig. 157.
Palacký, J. 1903 B, 312.
Palmer, T. S. 1904 A, 364, 928 (Laopithecus); 371, 928 (Leptochœrus); 410, 929 (Menotherium).
Trouessart, E. L. 1905 A, 656.
Wallace, A. R. 1876 A, I, 133 (Laopithecus, Menotherium); 137 (Leptochœrus); II, 215.
Zittel and Schlosser 1911 A, 475.
1923 A, 563.

Leptochœrus gracilis Marsh.

Hay, O. P. 1902 A, 657.
Cook, H. J. 1912 D, 37.
Hatcher, J. B. 1901 A, 131, pl. i, fig. 4.
Matthew, W. D. 1901 B, 443.
1909 C, 106.
O'Harra, C. C. 1920 A, 152.
Oligocene (Brule); Nebraska.

Leptochœrus lemurinus (Cope).

Hay, O. P. 1902 A, 792 (Menotherium).
Matthew, W. D. 1901 B, 357.
1909 C, 106.
Osborn, H. F. 1902 C, 174.
Seeley, H. G. 1886 A, 514 (Menotherium).
Trouessart, E. L. 1905 A, 656.
Middle Oligocene (Cedar Creek); Colorado.

Leptochœrus robustus (Marsh).

Hay, O. P. 1902 A, 792 (Menotherium).
Baird, S. F. 1876 A, 336 (Laopithecus).
Matthew, W. D. 1909 C, 106.
Osborn, H. F. 1902 C, 174.
Trouessart, E. L. 1905 A, 656 (Syn. of L. spectabilis).
Middle Oligocene (Cedar Creek); Colorado.

Leptochœrus spectabilis Leidy.

Hay, O. P. 1902 A, 657.
Cook, H. J. 1912 D, 37.
Giebel, C. G. 1883 A, pl. xliii.
Matthew, W. D. 1901 B, 357.
1909 C, 106.
O'Harra, C. C. 1910 A, 106, 128.
1920 A, 152.
Trouessart, E. L. 1905 A, 656.
Upper Oligocene (Brule); Nebraska.

Leptochœrus sp. indet.

Cook, H. J. 1912 D, 39. Upper Oligocene (Brule); Nebraska.

Hay, O. P. 1914 A, 26.
Matthew, W. D. 1909 C, 109. Upper Oligocene (Brule); Nebraska.

STIBARUS Cope. Type *S. obtusilobus* Cope.

Hay, O. P. 1902 A, 672.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1903 B, 220.
1909 C, 111.
Palmer, T. S. 1904 A, 648, 929.
Scott, W. B. 1913 A, 361.
Trouessart, E. L. 1905 A, 684.

Stibarus montanus Matthew.

Matthew, W. D. 1903 B, 219, fig. 13.
Cook, H. J. 1912 D, 35.
Matthew, W. D. 1909 C, 104.
Trouessart, E. L. 1905 A, 684.
Oligocene (Lower); Montana: (Chadron); Nebraska.

Stibarus obtusilobus Cope.

Hay, O. P. 1902 A, 672.
Matthew, W. D. 1901 B, 358.
1903 B, 219, 220, fig. 12.
1909 C, 106.
Palacký, J. 1903 B, 312.
Trouessart, E. L. 1905 A, 684.
Middle Oligocene (Cedar Creek); Colorado.

Stibarus quadricuspis (Hatcher).

Hatcher, J. B. 1901 A, 131, pl. i, fig. 3 (Leptochœrus).
Matthew, W. D. 1903 B, 230 (To Stibarus?).
1909 C, 106.
O'Harra, C. C. 1920 A, 153.
Trouessart, E. L. 1905 A, 656 (Leptochœrus).
Middle Oligocene (Brule); Nebraska.

DICHOBUNIDÆ Gill.

Gill, T. 1872 B, 74, 81.
Abel, O. 1914 A, 154.
1920 A, 434 ("dichobuniden").
Cope, E. D. 1887 B, 379, 382.
Falconer, H. 1868 A, I, 225 ("dichobunes").
Gervais, P. 1852 A, explan. pl. xxxv, 6 (Dichobune).
1859 A, 198, pl. xvii (Dichobune).
Gregory, W. K. 1920 A, 188.
Kowalewsky, W. 1877 A, 152 (Dichobune).
Loomis, F. B. 1925 E, 584, 588, 590, figs. 2-4.
Major, C. J. F. 1877 A, 13, 14 (Dichobune).
Matthew, W. D. 1909 C, 95, 98, 99, 103, 106.
1914 B, 387.
1915 K, 474.
Matthew, W. D. 1921 D, 214.
Matthew and Granger 1925 D, 7 (Dichobunidæ, Helohyidæ).
Osborn, H. F. 1909 D, 36, 57.
Roger, O. 1896 A, 220 (Dichobuninæ).
Rütimeyer, L. 1892 A, 109, fig. *d.* (Dichobune).
Schlosser, M. 1921 A, 123, 126.
Scott, W. B. 1913 A, 361, 398.
Sinclair, W. J. 1914 A, 294 ("dichobunids").
Trouessart, E. L. 1905 A, 679 (Dichobuniæ).
Weber, M. 1904 A, 688.
Weber and Abel 1928 A, 617.
Zittel, K. A. 1893 B, 374 (Dichobuninæ).
Zittel and Schlosser 1911 A, 479.
1923 A, 568.

BUNOPHORUS Sinclair. Type *Trigonolestes etsagicus* Cope.

Sinclair, W. J. 1914 A, 273.
Lydekker, R. 1915 C, 620.
Peterson, O. A. 1919 A, 75.
Weber and Abel 1928 A, 617, 618.
Zittel and Schlosser 1923 A, 569, 666.

Bunophorus etsagicus (Cope).

Hay, O. P. 1902 A, 649 (Trigonolestes).
Loomis, F. B. 1907 B, 357 (Trigonolestes).
Matthew, W. D. 1909 C, 98 (Helohyus).
Sinclair, W. J. 1914 A, 273, fig. 7.
Trouessart, E. L. 1905 A, 647 (Trigonolestes).
Zittel and Schlosser 1923 A, 569.
Lower Eocene (Wasatch); Wyoming.

Bunophorus macropternus (Cope).

Hay, O. P. 1902 A, 604 (Phenacodus).
Matthew, W. D. 1909 C, 94 (Phenacodus).
Sinclair, W. J. 1914 A, 275, fig. 8.
Lower Eocene (Wasatch); Wyoming.

WASATCHIA Sinclair. Type *W. grangeri* Sinclair.

Sinclair, W. J. 1914 A, 268.
Lydekker, R. 1915 C, 620.
Weber and Abel 1928 A, 618.
Zittel and Schlosser 1923 A, 569, 666.

Wasatchia dorseyana Sinclair.

Sinclair, W. J. 1914 A, 269, figs. 2-4.
Lower Eocene (Wasatch); Wyoming.

Wasatchia grangeri Sinclair.

Sinclair, W. J. 1914 A, 269, fig. 1.
Lower Eocene (Wasatch); Wyoming.

Wasatchia lysitensis Sinclair.

Sinclair, W. J. 1914 A, 271, figs. 5, 6.
Lower Eocene (Wind River); Wyoming.

LOPHIOHYUS Sinclair. Type *L. alticeps* Sinclair.

Sinclair, W. J. 1914 A, 276.
Weber and Abel 1928 A, 542.

Lophiohyus alticeps Sinclair.

Sinclair, W. J. 1914 A, 276, figs. 9-11.
Abel, O. 1922 C, 276, fig. 233.
Middle Eocene (Bridger); Wyoming.

ANTIACODON Marsh. Type *A. venustus* Marsh.

Hay, O. P. 1902 A, 787.
Chapman, H. C. 1904 A, 150 (=Anaptomorphus).
Matthew, W. D. 1909 C, 96, 101.
Osborn, H. F. 1910 B, 547.
Palmer, T. S. 1904 A, 109, 898.

Antiacodon venustus Marsh.

Hay, O. P. 1902 A, 787.
Matthew, W. D. 1909 C, 96.
Osborn, H. F. 1902 C, 173 (To Homacodon?).
Middle Eocene (Bridger); Wyoming.

BUNOMERYX Wortman. Type *B. elegans* Wortman.

Hay, O. P. 1902 A, 650.
Cossmann, M. 1899 B, 83.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 103.
Osborn, H. F. 1907 G, 172, fig. 154.
1910 B, 170, 547.
Palmer, T. S. 1904 A, 147, 927.
Peterson, O. A. 1919 A, 67, 73.
Schlosser, M. 1901 D, 463.
Scott, W. B. 1913 A, 361.
Stehlin, H. G. 1906 A, 671.
Trouessart, E. L. 1905 A, 648.
Weber, M. 1904 A, 661, 664.
Winge, H. 1906 A, 95.
Zittel and Schlosser 1911 A, 484.
1923 A, 574, 669.

Bunomeryx elegans Wortman.

Hay, O. P. 1902 A, 650.
Matthew, W. D. 1909 C, 99.
Peterson, O. A. 1919 A, 67, pl. xxxvii, fig. 18.
Schlosser, M. 1901 D, 463.
Stehlin, H. G. 1906 A, 671.
Upper Eocene (Uinta); Utah.

Bunomeryx montanus Wortman.

Hay, O. P. 1902 A, 650.
Matthew, W. D. 1909 C, 99.
Peterson, O. A. 1919 A, 66, 72.
Schlosser, M. 1901 D, 462.
Stehlin, H. G. 1906 A, 671.
Upper Eocene (Uinta); Utah.

HOMACODON Marsh. Type *H. vagans* Marsh.

Hay, O. P. 1902 A, 649.
Beddard, F. E. 1902 A, 280.
Fairchild, H. L. 1894 A, 208.
Granger, W. 1909 A, 22.
Matthew, W. D. 1909 C, 98, 103.
1909 D, 522.
1924 E, 748.
1928 B, 981, fig. 16.
Osborn, H. F. 1902 C, 173.
1910 B, 157, 547.
Palmer, T. S. 1904 A, 329, 927.
Peterson, O. A. 1919 A, 69, 70, 73.
Schlosser, M. 1901 D, 462, 466.
1903 A, 289.
1903 I, 112.
Scott, W. B. 1913 A, 273, 398.
Sinclair, W. J. 1914 A, 284.
Stehlin, H. G. 1910 A, 1094.
Trouessart, E. L. 1905 A, 648.
Weber, M. 1904 A, 644.
Weber and Abel 1928 A, 618.
Zittel and Schlosser 1911 A, 480.
1923 A, 569, 667.

Homacodon priscus Marsh.

Hay, O. P. 1902 A, 650.
Ameghino, F. 1905 A, 32, fig. 37.
Stehlin, H. G. 1906 A, 669.
Eocene; Wyoming, New Mexico.

Homacodon pucillus Marsh.

Hay, O. P. 1902 A, 650.
Stehlin, H. G. 1906 A, 669.
Eocene; Wyoming, New Mexico.

Homacodon vagans Marsh.

Hay, O. P. 1902 A, 650.
Abel, O. 1922 C, 277, fig. 234.
Beddard, F. E. 1902 A, 280.
Gregory, W. K. 1920 A, 186.
Lydekker, R. 1915 C, 619, fig. 1.
Matthew, W. D. 1909 C, 98 (This species?).
Peterson, O. A. 1919 A, 68.
Sinclair, W. J. 1914 A, 286, figs. 19, 20.
Stehlin, H. G. 1906 A, 669.
Trouessart, E. L. 1905 A, 648.
Weber and Abel 1928 A, 618, fig. 414.
Zittel and Schlosser 1911 A, 480.
1923 A, 569, fig. 709.
Middle Eocene (Lower Bridger); Wyoming.

Homacodon sp. indet.

Matthew, W. D. 1909 C, 98. Middle Eocene (Bridger); Wyoming.

HYLOMERYX Peterson. Type *H. annectens* Peterson.

Peterson, O. A. 1919 A, 67.
Trouessart, E. L. 1905 A, 666.

Hylomeryx annectens Peterson.

Peterson, O. A. 1919 A, 68, pl. xxxvi, figs. 5, 6; text-figs. 8-10.
Upper Eocene (Uinta); Utah.

LIMNENETES Douglass. Type *L. platyceps* Douglass.

Douglass, E. 1901 B, 259.
1905 A, 211.
Loomis, F. B. 1924 A, 369.
1924 B, 7, 14, 15.
Matthew, W. D. 1909 C, 111.
Palmer, T. S. 1904 A, 376, 911.
Peterson, O. A. 1928 B, 165.
Thorpe, M. R. 1925 A, 76.
Trouessart, E. L. 1905 A, 668.
Zittel and Schlosser 1911 A, 482.
1923 A, 572.

Limnenetes platyceps Douglass.

Douglass, E. 1901 B, 242, 260, pl. ix, figs. 5, 6.
1903 A, 149.
1907 A, 822.
Loomis, F. B. 1924 A, 371, pl. lii; pl. liii, figs. 2-7; text-fig. 2.
1924 B, 8, fig. 5.
Matthew, W. D. 1909 C, 104.
Peterson, O. A. 1928 B, 165.
Trouessart, E. L. 1905 A, 668.
Lower Oligocene (White River); Montana.

Limnenetes sp. indet.

Matthew, W. D. 1903 B, 222. Oligocene (Titanotherium beds); Montana.

OREONETES Loomis. Type *Limnenetes anceps* Douglass.

Loomis, F. B. 1924 A, 373.
1924 B, 7, 15.
1925 E, 592.
Peterson, O. A. 1928 B, 166 (Oronetes).

Oreonetes anceps (Douglass).

Douglass, E. 1901 B, 242, 262 (Limnenetes).
1903 A, 149 (Limnenetes).
1907 A, 822 (Limnenetes).
Loomis, F. B. 1924 A, 373, pls. liii, liv; text-fig. 3.
1924 B, 6, fig. 4.
Matthew, W. D. 1909 C, 104 (Limnenetes. This genus?).
Peterson, O. A. 1919 A, 68 (Limnenetes).
Trouessart, E. L. 1905 A, 668 (Limnenetes).
Lower Oligocene (White River); Montana.

SPHENOMERYX Peterson. Type *S. quadricuspis* Peterson.

Peterson, O. A. 1919 A, 71.

Sphenomeryx quadricuspis Peterson.

Peterson, O. A. 1919 A, 71, pl. xxxvii, figs. 15, 16.
Upper Eocene (Uinta); Utah.

NANOMERYX Marsh. Type *N. caudatus* Marsh.

Hay, O. P. 1902 A, 650.
Matthew, W. D. 1909 C, 103.
Palmer, T. S. 1904 A, 447, 927.
Sinclair, W. J. 1914 A, 287.
Trouessart, E. L. 1905 A, 648.
Zittel and Schlosser 1923 A, 569.

Nanomeryx caudatus Marsh.

Hay, O. P. 1902 A, 650.
Matthew, W. D. 1909 C, 98.
Middle Eocene (Bridger?); Wyoming.

MESOMERYX Peterson. Type *M. grangeri* Peterson.

Peterson, O. A. 1919 A, 73.

Mesomeryx grangeri Peterson.

Peterson, O. A. 1919 A, 73, pl. xxxvii, fig. 17.
Upper Eocene (Uinta); Utah.

SARCOLEMUR Cope. Type *Antiacodon furcatus* Cope.

Hay, O. P. 1902 A, 793.
Haug, E. 1911 A, 1528.
Loomis, F. B. 1905 A, 416.
Lydekker, R. 1915 C, 620.
Matthew, W. D. 1909 C, 98, 103.
1909 D, 512.
Osborn, H. F. 1901 D, 623.
1902 C, 189.
1909 D, 38.
Palmer, T. S. 1904 A, 618, 898.
Pia, J. 1916 A, 129.
Schlosser, M. 1921 A, 123, 126, text-fig. 1.
Sinclair, W. J. 1914 A, 287.
Trouessart, E. L. 1904 A, 42.
Weber, M. 1904 A, 763.
Weber and Abel 1928 A, 618.
Zittel and Schlosser 1911 A, 480.
1923 A, 569, 667.

Sarcolemur bicuspis Loomis.

Loomis, F. B. 1907 B, 357 (No description).
Lower Eocene (Wasatch); Wyoming.

Sarcolemur crassus Cope.

Hay, O. P. 1902 A, 793.
Osborn, H. F. 1902 C, 174.
Trouessart, E. L. 1904 A, 42.
Lower Eocene (Wasatch); New Mexico.

Sarcolemur furcatus (Cope).

Cope, E. D. 1872 NN, 2 (Lophiotherium).
1873 E, 608 (Antiacodon).

Hay, O. P. 1902 A, 793 (S. pygmæus, in part).
Matthew, W. D. 1909 C, 98.
Osborn, H. F. 1902 C, 172, 174, 189, fig. 16.
Trouessart, E. L. 1904 A, 42.
Middle Eocene (Bridger); Wyoming.

Sarcolemur pygmæus Cope.

Hay, O. P. 1902 A, 793.
Matthew, W. D. 1909 C, 98.
Osborn, H. F. 1902 C, 172, 189, fig. 17.
Sinclair, W. J. 1914 A, 287, fig. 21.
Trouessart, E. L. 1904 A, 42.
Middle Eocene (Bridger); Wyoming.

MICROSUS Leidy. Type *M. cuspidatus* Leidy.

Hay, O. P. 1902 A, 792.
Haug, E. 1911 A, 1528.
Loomis, F. B. 1905 A, 417 (=Hyopsodus).
Matthew, W. D. 1909 C, 98, 103.
1909 D, 512.
Palmer, T. S. 1904 A, 423, 898.
Sinclair, W. J. 1914 A, 288.
Zittel and Schlosser 1923 A, 569.

Microsus cuspidatus Leidy.

Hay, O. P. 1902 A, 792.
Matthew, W. D. 1909 C, 98.
Merrill, G. P. 1907 A, 48.
Osborn, H. F. 1902 C, 172 (=Hyopsodus paulus).
Sinclair, W. J. 1914 A, 288, fig. 22.
Middle Eocene (Bridger); Wyoming.

Microsus sp. indet.

Gidley, J. W. 1926 E, 41. Lower Eocene (Wasatch); Wyoming.
Sinclair, W. J. 1914 A, 289, figs. 23, 24?. Middle Eocene (Bridger); Wyoming.

DIACODEXIS Cope. Type *Phenacodus laticuneus* Cope.

Cope, E. D. 1882 GG, 1029.
Hay, O. P. 1902 A, 649 (Trigonolestes); 790 (Hyopsodus, in part).
Chardin, T. 1922 A, 83.
Gregory, W. K. 1910 A, 403 (Trigonolestes).
Haug, E. 1911 A, 1528 (Trigonolestes).
Loomis, F. B. 1925 E, 585, 588, 590, figs. 2, 3, 4.
Matthew, W. D. 1905 C, 299 (Trigonolestes).
1909 C, 103 (Trigonolestes).
1909 D, 522 (Trigonolestes).
1915 E, 327.
1915 K, 421, 472.
1917 C, 837.
1918 H, 566.
1921 H, 510.
1924 E, 749.
1928 B, 964, 981, fig. 16.
Osborn, H. F. 1907 G, 171, figs. 152, 199 (Trigonolestes).
1909 D, 38, 48 (Trigonolestes).
1910 B, 127, 547 (Trigonolestes).
1912 G, 236, fig. 3 (Trigonolestes).
Palmer, T. S. 1904 A, 224, 898 (Diacodexis); 691, 927 (Trigonolestes).
Schlosser, M. 1898 B, 371 (Trigonolestes).
1921 A, 123, 126, text-fig. 1.
Scott, W. B. 1913 A, 281, 398 (Trigonolestes).
Sinclair, W. J. 1914 A, 289.
Stehlin, H. G. 1906 A, 669, 673 (Trigonolestes).
1910 A, 1154 (Trigonolestes).
Trouessart, E. L. 1905 A, 647 (Trigonolestes).
Weber, M. 1904 A, 664 (Trigonolestes).
Weber and Abel 1928 A, 618.
Zittel and Schlosser 1911 A, 480 (Trigonolestes).
1923 A, 569, 666 (Trigonolestes).

Diacodexis brachystomus (Cope).

Hay, O. P. 1902 A, 649 (Trigonolestes).
Matthew, W. D. 1909 C, 95 (Trigonolestes).
Sinclair, W. J. 1914 A, 290.
Lower Eocene (Bighorn Valley); Wyoming.

Diacodexis chacensis Cope.

Hay, O. P. 1902 A, 649 (Trigonolestes).
Loomis, F. B. 1907 B, 357 (Trigonolestes).
Matthew, W. D. 1909 C, 95 (Trigonolestes).
Reeside, J. B. 1924 A, 46 (Trigonolestes).
Sinclair, W. J. 1914 A, 290, fig. 25.
Trouessart, E. L. 1905 A, 648 (Trigonolestes).
Zittel and Schlosser 1923 A, 569.
Lower Eocene (Wasatch); Wyoming.

Diacodexis laticuneus Cope.

Hay, O. P. 1902 A, 790 (Hyopsodus).
Loomis, F. B. 1905 A, 421, 424 (Hyopsodus).
Matthew, W. D. 1909 C, 93 (Hyopsodus).
Osborn, H. F. 1902 C, 175, 184, fig. 10 (Hyopsodus?, Diacodexis).
Sinclair, W. J. 1914 A, 290 (This species?).
Trouessart, E. L. 1904 A, 42, 48 (Hyopsodus).
Lower Eocene (Wasatch); Wyoming.

Diacodexis metsiacus (Cope).

Hay, O. P. 1902 A, 649 (Trigonolestes).
Loomis, F. B. 1907 B, 357 (Trigonolestes).
Matthew, W. D. 1909 C, 95 (Trigonolestes).
Sinclair, W. J. 1914 A, 290.
Trouessart, E. L. 1905 A, 648 (Trigonolestes).
Lower Eocene (Wasatch); Wyoming.

Diacodexis nuptus (Cope).

Hay, O. P. 1902 A, 649 (Trigonolestes).
Matthew, W. D. 1909 C, 95 (Trigonolestes).
Stehlin, H. G. 1906 A, 673 (Pantolestes).
1910 A, 1155 (Trigonolestes).
Trouessart, E. L. 1905 A, 648 (Trigonolestes).
Lower Eocene (Wind River); Wyoming, Colorado.

Diacodexis olseni Sinclair.

Sinclair, W. J. 1914 A, 292, fig. 26.
Lower Eocene (Wind River); Wyoming.

Diacodexis robustus Sinclair.

Sinclair, W. J. 1914 A, 293, figs. 27, 28.
Lower Eocene (Wasatch); Wyoming.

Diacodexis secans (Cope).

Hay, O. P. 1902 A, 649 (Trigonolestes).
Matthew, W. D. 1909 C, 95 (Trigonolestes).
Stehlin, H. G. 1906 A, 673 (Pantolestes).
1910 A, 1155 (Trigonolestes).
Trouessart, E. L. 1905 A, 648 (Trigonolestes).
Lower Eocene (Wind River); Wyoming; Colorado.

STENACODON Marsh. Type *S. rarus* Marsh.

Hay, O. P. 1902 A, 794.
Loomis, F. B. 1905 A, 417 (Syn. of Hyopsodus).
Matthew, W. D. 1909 C, 103.
Palmer, T. S. 1904 A, 644, 898.

Stenacodon rarus Marsh.

Hay, O. P. 1902 A, 794.
Matthew, W. D. 1909 C, 98 (This genus?).
1909 D, 302.
Osborn, H. F. 1902 C, 173, 185 (Hyopsodus).
Middle Eocene (Bridger); Wyoming.

ITHYGRAMMODON Osborn, Scott, and Speir. Type *I. cameloides* Osborn, Scott, and Speir.

Hay, O. P. 1902 A, 674.
Howes, G. B. 1902 A, 523.
Matthew, W. D. 1909 C, 103.
Palmer, T. S. 1904 A, 354, 921.
Trouessart, E. L. 1905 A, 684.
Zittel and Schlosser 1923 A, 564.
The systematic position of this genus is uncertain.

Ithygrammodon cameloides Osborn, Scott, and Speir.

Hay, O. P. 1902 A, 674.
Matthew, W. D. 1909 C, 98 (This genus?).
Middle Eocene (Bridger?); Wyoming?.

ANOPLOTHERIIDÆ Leidy.

Leidy, J. 1869 A, 206.
Abel, O. 1919 A, 803.
1920 A, 434, 436, figs. 659, 660.
Arldt, T. 1907 D, 688.
Bronn, H. G. 1838 A, 1292 (Anoplotherium).
Carus, V. 1875 A, 147 (Anoplotherioidea).
Cope, E. D. 1887 B, 378, 382.
Cuvier, G. 1804 E, 370 (Anoplotherium).
1812, Oss. Foss. ed. 1, v, pls. (Anoplotherium).
1822, Oss. Foss., ed. 2, III, pls. (Anoplotherium).
1825 A, 39-259, III, pls. (Anoplotherium).
Depéret, C. 1908 A, 166 (Anoplotheridæ).
Earle, C. 1897 A, 686.
Falconer, H. 1868 A, I, 190 (Anoplotherium).
Flower and Lydekker 1891 A, 293.
Gervais, P. 1852 A, 91, explan. pls. xvi, xxxv (Anoplotherium).
1859 A, 163 ("anoplothèrides").
Haeckel, E. 1868 A, 478 ("anoplotherien").
1873 A, 553, 554 (Anoplotherida).
Hennig, E. 1921 A, 221 (Anoplotherium).
Kowalevsky, W. 1874 A, pl. xxxvii, figs. 2, 11 (Anoplotherium).
1877 A, 152 (Anoplotherium).
Lazier and Parieu 1838 A, 335 (Anoplotherium).
Loomis, F. B. 1925 E, 584, 588, 590, figs. 2, 4.
Lydekker, R. 1885 C, 133.
Major, C. J. F. 1877 A, 13, 14, 15 (Anoplotherium).
Matthew, W. D. 1928 B, 981, fig. 16 ("anoplotheres").
Osborn, H. F. 1910 B, 548.
Owen, R. 1845 B, 523, pl. cxxxv.
1860 E, 332 (Anoplotherium).
1866 B, 266, 286 (Anoplotherium).
1868 A, 340, 375, 390 (Anoplotherium).
Palmer, R. W. 1913 A, 878 (Anoplotherium).
Peterson, O. A. 1919 A, 76 (Anoplotheriidæ); 79 (Anoplotheriinæ; Diplobunopsinæ).
Pomel, A. 1851 A, 16-17 (Anoplotherium).
Reynolds, S. H. 1897 A, 428 (Anoplotherium).
Roger, O. 1896 A, 219.
Rütimeyer, L. 1862 C, 70 (Anoplotherium).
Sauvage, H. E. 1882 A, 106 (Anoplotherium).
Schlosser, M. 1883 B, 141, pl. vi ("anoplotherien").
1883 C, 153, pls. vi, vii ("anoplotherien").
1921 A, 123, 124 ("anoplotheriiden").
Terra, P. 1911 A, 323.
Trouessart, E. L. 1905 A, 677 (Anoplotheridæ).
Weber and Abel 1928 A, 543.
Zittel, K. A. 1893 B, 366.
Zittel and Schlosser 1911 A, 477.
1923 A, 566, 667.

DIPLOBUNOPS Peterson. Type *D. matthewi* Peterson.

Peterson, O. A. 1919 A, 76.

Diplobunops matthewi Peterson.

Peterson, O. A. 1919 A, 76, pl. xxxviii.
Upper Eocene (Uinta); Utah.

Superfamily ANTHRACOTHERIOIDÆ, new form.

Hay, O. P. 1902 A, 651 (Anthracotherioidea).
Cope, E. D. 1891 N, 87 (Anthracotherioidea).
Stehlin, H. G. 1908 A, 798 ("anthracotherien").
Stromer, E. 1912 A, 197 (Bunoselenodontia, in part).
Weber, M. 1904 A, 690 (Anthracotherioidea).
Weber and Abel 1928 A, 535 (Bunoselenodontia).
Zittel and Schlosser 1911 A, 476 (Bunoselenodontia, part).
1923 A, 564 (Bunoselenodontia, part).

ANTHRACOTHERIIDÆ Leidy.

Leidy, J. 1869 A, 202 (Anthracotheridæ).
Hay, O. P. 1902 A, 651.
Abel, O. 1913 B, 729, 740.
1914 A, 160.
1919 A, 801.
1920 A, 435, 436 ("anthracotheriiden").
Arldt, T. 1907 D, 638.
1912 A, 700.
Beddard, F. E. 1902 A, 328 (Anthracotheridæ).
Behlen, H. 1907 A, 277 ("anthracotheriden").
Case, E. C. 1899 B, 171.
Cope, E. D. 1880 U, 152 ("hypotamides").
Deiner, C. 1909 A, 39.
Depéret, C. 1905 A, 1521 ("anthracothéridés").
1905 C, 704 ("anthracothéridés").
1908 B, 158 ("anthracothéridés").
1912 A, 708 ("anthracothéridés").
Gegenbaur, C. 1880 A, 591 (Hyopotamidæ).
Gervais, P. 1859 A, 189 ("hypotamiens").
Hoernes, R. 1886 A, 673 (Hyopotamidæ).
Kampfen, P. N. 1905 A, 609.
Loomis, F. B. 1925 E, 584, 588, 590, figs. 2, 4.
Matthew, W. D. 1909 C, 104, 106, 109, 111.
1915 A, 252, fig. 26 ("anthracotheres").
1928 B, 981, fig. 16.
O'Harra, C. C. 1910 A, 106, 145.
1920 A, 122.
Osborn, H. F. 1905 I, 103.
1909 D, 121.
1910 B, 606.
Pilgrim, G. E. 1912 A, 40.
Schlosser, M. 1911 A, 163 ("anthracotheriiden").
Scott, W. B. 1913 A, 361, 370, 675.
Stehlin, H. G. 1910 A, 1143 (Anthracotheridæ).
Stromer, E. 1916 A, 402.
Terra, P. 1911 A, 317.
Trouessart, E. L. 1905 A, 649.
Wallace, A. R. 1876 A, I, 137 (Anthracotheridæ).
Weber and Abel 1928 A, 542.
Winge, H. 1906 A, 70, 127.
Woodward, A. S. 1923 C, 37.
Zittel and Schlosser 1911 A, 476.
1923 A, 564, 602.

ANTHRACOTHERIINÆ Zittel.

Zittel, K. A. 1893 B, 327 (Anthracotherinæ).
Hay, O. P. 1902 A, 651.
Palacký, J. 1903 B, 310 ("anthracotherinen").
Trouessart, E. L. 1905 A, 649.

ANTHRACOTHERIUM Cuvier. Type *A. magnum* Cuvier.

Hay, O. P. 1902 A, 651.
Abel, O. 1912 D, 605.
1912 F, 644.
1913 B, 740, fig. 53.
1914 A, 160, fig. 112.
1919 A, 803, figs. 604, 605.
Beddard, F. E. 1902 A, 328.
Boettger, O. 1877 A, 163, 7 figs.
Bronn, H. G. 1848 A, 83.
1849 A, 705.
Depéret, C. 1906 A, 618.
1907 B.
1908 B, 158.
Filhol, H. 1877 A, 174.
Gervais, P. 1852 A, 95, explan. pl. xxxi.
1859 A, 189, pls. xxxi, xxxiii.
Giebel, C. G. 1855 A, 74.
Haug, E. 1911 A, 1528, 1529.
Heilprin, A. 1887 A, 375.
Hennig, E. 1921 A, 221.
Hoernes, R. 1886 A, 673.
Lambe, L. M. 1908 A, 25.
Loomis, F. B. 1925 E, 590, fig. 4.
Lydekker, R. 1884 A, 148, pls. xxiii-xxv.
Major, C. J. F. 1877 A, 16.
1880 A, 19.
Matthew, W. D. 1906 B, 365.
1909 C, 111.
1915 A, 253.
1915 K, 420.
Moreau, L. 1914 A, 86.
Osborn, H. F. 1907 G, 172, fig. 155.
1910 B, 606.
Owen, R. 1845 B, 567, pl. cxxxv, fig. 10.
Palmer, T. S. 1904 A, 108, 913.
Pilgrim, G. E. 1912 A, 40.
Schlosser, M. 1883 B, 162.
1903 I, 209.
Scott, W. B. 1913 A, 259, 371, 675.
Stromer, E. 1903 C, 66.
Terra, P. 1911 A, 317.
Thorpe, M. R. 1923 E, 241.
Trouessart, E. L. 1905 A, 649.
Troxell, E. L. 1921 B, 326.
Weber, M. 1904 A, 690.
Weber and Abel 1928 A, xx, 539, fig. 363.
Winge, H. 1906 A, 131.
Woodward, A. S. 1923 C, 37.
Zittel and Schlosser 1911 A, 476.
1923 A, 565, 671, fig. 702.

Anthracotherium karense Osborn and Wortman.

Hay, O. P. 1902 A, 652.
Abel, O. 1920 A, 435, fig. 658.
Cook, H. J. 1912 D, 39.
Depéret, C. 1912 A, 708.
Matthew, W. D. 1909 C, 109.
O'Harra, C. C. 1920 A, 154.
Troxell, E. L. 1921 B, 328 (To Octacodon).

Trouessart, E. L. 1905 A, 650.
Upper Oligocene (Brule); Nebraska.

Anthracotherium pygmæum Lambe.

Lambe, L. M. 1908 A, 10, 25, pl. vi, fig. 6 (This genus?).
Oligocene (Cypress Hills); Saskatchewan.

Anthracotherium sp. indet.

Matthew, W. D. 1909 C, 104. Lower Oligocene (Chadron); South Dakota, etc.

HEPTACODON Marsh. Type *H. curtus* Marsh.

Marsh, O. C. 1894 C, 409.
Hay, O. P. 1902 A, 651 (Anthracotherium, part).
Matthew, W. D. 1915 K, 420.
Troxell, E. L. 1921 B, 327.
Zittel and Schlosser 1911 A, 477.
1923 A, 565.

Heptacodon curtus Marsh.

Hay, O. P. 1902 A, 652 (Anthracotherium).
Cook, H. J. 1912 D, 37 (Anthracotherium).
Depéret, C. 1912 A, 708 (Anthracotherium).
Matthew, W. D. 1901 B, 369 (Anthracotherium).
1909 C, 106 (Anthracotherium).
Trouessart, E. L. 1905 A, 650 (Anthracotherium).
Troxell, E. L. 1921 B, 327, fig. 1.
Upper Oligocene (Protoceras beds); South Dakota.

ARRETOTHERIUM Douglass. Type *A. acridens* Douglass.

Douglass, E. 1901 B, 269, 276.
Matthew, W. D. 1909 A, 3, 4.
1909 C, 111.
1915 A, 253.
Osborn, H. F. 1910 B, 189, 548.
Palmer, T. S. 1904 A, 122, 911.
Zittel and Schlosser 1911 A, 477.
1923 A, 566.

Arretotherium acridens Douglass.

Douglass, E. 1901 B, 243, 269, pl. ix, figs. 1-3.
Matthew, W. D. 1909 C, 109.
Trouessart, E. L. 1905 A, 652.
Oligocene (Upper); Montana.

OCTACODON Marsh. Type *O. valens* Marsh.

Hay, O. P. 1902 A, 652.
Palmer, T. S. 1904 A, 469, 914.
Troxell, E. L. 1921 B, 328.
Zittel and Schlosser 1911 A, 477.
1923 A, 565.

Octacodon gibbiceps Marsh.

Hay, O. P. 1902 A, 652 (Anthracotherium).

Troxell, E. L. 1921 B, 329, fig. 3.
Upper Oligocene (Protoceras beds); South Dakota.

Octacodon valens Marsh.

Hay, O. P. 1902 A, 652.
Troxell, E. L. 1921 B, 328, fig. 2.
Upper Oligocene (Protoceras beds); South Dakota.

ELOMERYX Marsh. Type *Heptacodon armatus* Marsh.

Hay, O. P. 1902 A, 652.
Matthew, W. D. 1909 A, 6 (Syn.? of Ancodon).
Palacký, J. 1903 B, 312.
Palmer, T. S. 1904 A, 257, 914.
Troxell, E. L. 1921 B, 331.
Zittel and Schlosser 1911 A, 477.
1923 A, 566.

Elomeryx armatus Marsh.

Hay, O. P. 1902 A, 652.
Matthew, W. D. 1909 A, 6 (Heptacodon syn.? of Ancodon brachyrhynchus).
Troxell, E. L. 1921 B, 331, fig. 4.
Upper Oligocene (Protoceras beds); South Dakota.

Elomeryx armatus angustus Troxell.

Troxell, E. L. 1921 B, 334, fig. 5.
Upper Oligocene (Protoceras beds); South Dakota.

Elomeryx mitis Marsh.

Hay, O. P. 1902 A, 652.
Matthew, W. D. 1909 A, 7 (=? Ancodon brachyrhynchus).
Trouessart, E. L. 1905 A, 650.
Troxell, E. L. 1921 B, 334.
Upper Oligocene (White River); South Dakota.

BOTHRIODON Aymard. Type *B. platorhynchus* Aymard.

Hay, O. P. 1902 A, 652 (Ancodon).
Abel, O. 1912 F, 644 (Hyopotamus).
Andrews, C. W. 1906 A, 178 (Ancodon).
Beddard, F. E. 1902 A, 329 (Ancodus).
Bush, L. P. 1903 A, 98.
Dall and Harris 1892 A, 289 (Hyopotamus).
Douglass, E. 1901 B, 275 (Hyopotamus).
Gaudry, A. 1875 D, 1282 (Hyopotamus).
1896 A, 87, fig. 60 (Hyopotamus).
Gervais, P. 1852 A, 95, explan., pl. xxxi.
1859 A, 193 (Bothriodon); 191 (Hyopotamus).

Gregory, W. K. 1910 A, 400, 405 (Ancodus).
Haug, E. 1911 A, 1528, 1529 (Hyopotamus).
Heilprin, A. 1887 A, 375 (Hyopotamus).
Huxley, T. H. 1870 F, 537 (Hyopotamus).
Lambe, L. M. 1905 D, 370 A (Hyopotamus).
Loomis, F. B. 1925 E, 585, figs. 2, 3 (Ancodus).
Major, C. J. F. 1877 A (Hyopotamus).
1880 A, 17 (Hyopotamus).
Matthew, W. D. 1909 A, 1, 6 (Ancodon).
1909 C, 111 (Hyopotamus).
1912 A, 158 (Ancodon).
1915 A, 253 (Ancodon).
1915 K, 420 (Ancodon).
1917 A, 573 (Ancodon).
1924 E, 748 (Ancodon).
1928 B, 964 (Ancodus).
Osborn, H. F. 1910 B, 606 (Ancodus).
Palacký, J. 1903 B, 312 (Hyopotamus).
Palmer, T. S. 1904 A, 140, 913.
Pictet, F. J. 1853 A, 330.
Pilgrim, G. E. 1912 A, 67 (Ancodus).
Schlosser, M. 1898 H, 324 (Ancodus).
1899 H, 547 (Ancodus).
1911 A, 163 (Ancodus).
Schmidt, O. 1886 A, 170, fig. 25 (Hyopotamus).
Scott, W. B. 1913 A, 252, fig. (133); 258, 370.
Stromer, E. 1903 C, 65 (Ancodus).
Trouessart, E. L. 1905 A, 650.
Troxell, E. L. 1921 B, 325.
Weber, M. 1904 A, 690 (Ancodus, Hyopotamus).
Zittel and Schlosser 1911 A, 477 (Ancodus).
1923 A, 565 (Syn. of Ancodon); 565, 670, 671, figs. 703, 704 (Ancodus).

Bothriodon brachyrhynchus (Osborn and Wortman).

Hay, O. P. 1902 A, 653 (Ancodon).
Abel, O. 1914 A, 164, fig. 116 (Brachyodus).
Beddard, F. E. 1902 A, 329 (Ancodon).
Cook, H. J. 1912 D, 39 (Ancodon).
Depéret, C. 1912 A, 708 (Hyopotamus).
Gregory, W. K. 1910 A, 405, fig. 26 (Ancodus).
1920 A, 190, fig. 162 (Ancodon).
Lambe, L. M. 1905 D, 367 (Hyopotamus. This species?)
1908 A, 10, 24, pl. ii, figs. 1-9 (Ancodon).
Matthew, W. D. 1901 B, 370 (Ancodon).
1909 A, 1, 3, 5 (Ancodon).
1909 C, 109 (Hyopotamus).
O'Harra, C. C. 1910 A, 107, fig. 15 (Hyopotamus).
1920 A, 122, 154, figs. 60, 61 (Hyopotamus).
Schlosser, M. 1898 H, 324 (Ancodus).
1899 H, 547 (Ancodus).
Scott, W. B. 1913 A, 371, fig. 196.
Weber and Abel 1928 A, 540, 542, fig. 362 (Brachyodus).
Woodward, A. S. 1923 C, 38, fig. 21 (Ancodus).
Upper Oligocene (Brule); South Dakota, Nebraska?, North Dakota?.

Bothriodon leptodus (Matthew).

Matthew, W. D. 1909 A, 1, 5 (Ancodon).
O'Harra, C. C. 1920 A, 157 [Ancodon (Bothodon?)]
Lower Oligocene (Chadron); South Dakota.

ÆPINACODON Troxell. Type *Hyopotamus deflectus* Marsh.

Troxell, E. L. 1921 B, 334.

Æpinacodon americanus (Leidy).

Hay, O. P. 1902 A, 652 (Ancodon).
Cook, H. J. 1912 D, 35 (Ancodon).
Depéret, C. 1908 B, 161 (Hyopotamus).
1912 A, 708 (Hyopotamus).
Major, C. J. F. 1880 A, 19 (Hyopotamus).
Matthew, W. D. 1901 B, 369 (Hyopotamus).
1909 A, 1, 3, 5, 6 (Ancodon americanus); 6 (Hyopotamus deflectus).
1909 C, 104 (Hyopotamus).
O'Harra, C. C. 1910 A, 107 (Hyopotamus).
1920 A, 150 (Hyopotamus).
Osborn, H. F. 1909 D, 127 (Hyopotamus).
Schlosser, M. 1899 H, 547 (Ancodus).
Trouessart, E. L. 1905 A, 651 (Bothriodon).
Troxell, E. L. 1921 B, 336 (Æpinacodon).
Lower Oligocene (Chadron); South Dakota, Nebraska.

Æpinacodon deflectus (Marsh).

Marsh, O. C. 1890 D, 524 (Hyopotamus).
Hay, O. P. 1902 A, 653 (Ancodon americanus, in part).
Troxell, E. L. 1921 B, 337, fig. 7.
Lower Oligocene (Chadron); South Dakota.

Æpinacodon rostratus (Scott).

Hay, O. P. 1902 A, 653 (Ancodon).
Cook, H. J. 1912 D, 37 (Ancodon).
Matthew, W. D. 1909 A, 1, 3, 5 (Ancodon).
1909 C, 106 (Hyopotamus).
O'Harra, C. C. 1920 A, 152 (Hyopotamus).
Trouessart, E. L. 1905 A, 651 (Bothriodon).
Troxell, E. L. 1921 B, 337 (Ancodon).
Upper Oligocene (Brule); South Dakota.

HELOHYIDÆ Marsh.

Hay, O. P. 1902 A, 650.
Matthew, W. D. 1909 D, 302.
Matthew, W. D. 1924 C, 176 (Chœropotamidæ).
Matthew and Granger 1925 D, 7.

HELOHYUS Marsh. Type *H. plicodon* Marsh.

Hay, O. P. 1902 A, 650.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 103.
1915 A, 242.
1924 C, 176.
Matthew, W. D. 1924 E, 748.
1928 B, 981, fig. 16.
Matthew and Granger 1925 D, 7.
Palmer, T. S. 1904 A, 315, 926.
Pearson, H. S. 1923 A, 63, 73, fig. 1.

Schlosser, M. 1901 D, 462.
Scott, W. B. 1913 A, 273, 365.
Sinclair, W. J. 1914 A, 279, 283, fig. 18 (This genus?).
Stehlin, H. G. 1906 A, 672.
1910 A, 1094, 1154.
Trouessart, E. L. 1905 A, 648.
Weber and Abel 1928 A, 542, 623.
Zittel and Schlosser 1923 A, 564, 667.

Helohyus lentus Marsh.

Hay, O. P. 1902 A, 650.
Matthew, W. D. 1909 C, 98.
Pearson, H. S. 1923 A, 76, 93, fig. 16.
Sinclair, W. J. 1914 A, 283, fig. 17.
Stehlin, H. G. 1906 A, 672.
Middle Eocene (Bridger); Wyoming.

Helohyus milleri Sinclair.

Sinclair, W. J. 1914 A, 280, fig. 14.
Pearson, H. S. 1923 A, 74, fig. 15.
Middle Eocene (Bridger); Wyoming.

Helohyus plicodon Marsh.

Hay, O. P. 1902 A, 650.
Matthew, W. D. 1909 C, 98.
Pearson, H. S. 1923 A, 74.
Trouessart, E. L. 1905 A, 648.
Sinclair, W. J. 1914 A, 281, fig. 15.
Stehlin, H. G. 1906 A, 672.
Middle Eocene (Bridger); Wyoming.

Helohyus validus Marsh.

Hay, O. P. 1902 A, 650.
Matthew, W. D. 1909 C, 98.
Pearson, H. S. 1923 A, 93, fig. 16.
Sinclair, W. J. 1914 A, 283, fig. 16.
Stehlin, H. G. 1906 A, 672.
1910 A, 1154.
Middle Eocene (Bridger); Wyoming.

Helohyus sp. indet.

Matthew, W. D. 1909 C, 98. Middle Eocene (Bridger); Wyoming.

Superfamily SUOIDÆ, new form.

Hay, O. P. 1902 A, 653 (Suoidea).
Abel, O. 1914 A, 295 (Neobunodontia).
Cope, E. D. 1891 N, 87 (Suoidea).
Hay, O. P. 1912 D, 595 (Suoidea).
1914 A, 211 (Suoidea).
Matthew, W. D. 1924 C, 176 (Suina).
Osborn, H. F. 1909 D, 59-61 (Suoidea).
1910 B, 548 (Suina).
Terra, P. 1911 A, 319 (Suidæ).
Weber, M. 1904 A, 645 (Suoidea).
Weber and Burlet 1927 A, xv (Neobunodontia).
Winge, H. 1906 A, 70, 143 (Suidæ).
Woodward, A. S. 1923 C, 34 (Suina).
Zittel and Schlosser 1911 A, 472 (Bunodontia).
1923 A, 560 (Bunodontia).

ACHÆNODONTIDÆ Matthew.

Matthew, W. D. 1909 C, 95, 99, 103.
Hay, O. P. 1902 A, 653 (Achænodontinæ).
Arldt, T. 1907 D, 635 (Achænodontinæ).
1912 A, 700 (Achænodontinæ).
Matthew, W. D. 1901 B, 371 (Elotheriidæ).
1915 K, 460 ("entelodonts").
Matthew and Granger 1925 D, 6.
Osborn, H. F. 1909 D, 57 (Achænodontinæ).
1910 B, 127, 156, 549 (Achænodontinæ).
Palacký, J. 1903 B, 306, 307 ("achänodontinen").
Peterson, O. A. 1909 A, 43 (Entelodontidæ).
1919 A, 79.
Repelin, J. 1918 A, 397.
Roman, F. 1912 A, 77 ("achænodontidés").
Trouessart, E. L. 1905 A, 652 (Achænodontinæ).
Weber, M. 1904 A, 653 (Elotheriidæ).
Weber and Abel 1928 A, 623.
Winge, H. 1906 A, 70 (Entelodontini).

ACHÆNODON Cope. Type *A. insolens* Cope.

Hay, O. P. 1902 A, 654 (Achænodon, Protelotherium).
Arldt, T. 1907 D, 259.
Baird, S. F. 1876 A, 334.
Barbour, E. H. 1925 B, 32.
Case, E. C. 1899 B, 172.
Cope, E. D. 1880 U, 154.
Granger, W. 1909 A, 22.
Gregory, W. K. 1910 A, 403.
Heilprin, A. 1887 A, 374.
Matthew, W. D. 1907 D, 7.
1909 C, 103.
1924 C, 176.
1928 B, 981, fig. 16.
Osborn, H. F. 1909 D, 53, 54.
1910 B, 156, 167, 217, 218, 549.
1912 G, 241, fig. 6.
Palmer, T. S. 1904 A, 74, 927 (Achænodon); 578, 929 (Protelotherium).
Peterson, O. A. 1919 A, 80 (Protelotherium, Achænodon).
Schlosser, M. 1899 I, 349.
1902 J, 257.
1921 A, 120 (Achænodon); 121 (Protelotherium).
Scott, W. B. 1913 A, 273, 369, 675.
Trouessart, E. L. 1905 A, 652 (Achænodon); 653 (Protelotherium).
Wallace, A. R. 1876 A, I, 138.
Weber, M. 1904 A, 654.
Weber and Abel 1928 A, 622.
Zittel and Schlosser 1911 A, 475 (Achænodon, Protelotherium).
1923 A, 523, 562, 667, 668 (Achænodon); 562 (Protelotherium).

Achænodon insolens Cope.

Hay, O. P. 1902 A, 654.
Baird, S. F. 1876 A, 334.
Matthew, W. D. 1909 C, 121.
Peterson, O. A. 1919 A, 79, fig. 11.
Upper Eocene (Washakie?); Wyoming.

Achænodon robustus Osborn.

Hay, O. P. 1902 A, 654.
Matthew, W. D. 1909 C, 121.
Scott, W. B. 1913 A, 369, fig. 195.
Weber and Abel 1928 A, 621, fig. 419.
Upper Eocene (Washakie?); Wyoming.

Achænodon uintensis (Osborn).

Hay, O. P. 1902 A, 654 (Protelotherium).
Beddard, F. E. 1902 A, 279 (Elotherium).
Matthew, W. D. 1909 C, 99.
Peterson, O. A. 1919 A, 80 (A. uintense).
Zittel and Schlosser 1923 A, 562 (Protelotherium).
Upper Eocene (Uinta); Wyoming.

Achænodon sp. indet.

Matthew, W. D. 1909 C, 99. Upper Eocene (Uinta); Wyoming.

PARAHYUS Marsh. Type *P. vagus* Marsh.

Hay, O. P. 1902 A, 654.
Barbour, E. H. 1925 B, 32.
Haug, E. 1911 A, 1528.
Heilprin, A. 1889 A, 374.
Matthew, W. D. 1909 C, 103.
Palmer, T. S. 1904 A, 513, 929.
Peterson, O. A. 1919 A, 79.
Scott, W. B. 1913 A, 281.
Sinclair, W. J. 1914 A, 267.
Stehlin, H. G. 1910 A, 1154.
Weber, M. 1904 A, 654.
Zittel and Schlosser 1911 A, 475 (Syn.? of Achænodon).
1923 A, 562 (Syn.? of Achænodon).

Parahyus aberrans Marsh.

Hay, O. P. 1902 A, 654.
Matthew, W. D. 1909 C, 95.
Peterson, O. A. 1919 A, 82.
Sinclair, W. J. 1914 A, 267.
Lower Eocene (Wasatch); Wyoming.

Parahyus vagus Marsh.

Hay, O. P. 1902 A, 654.
Matthew, W. D. 1909 C, 95.
Peterson, O. A. 1919 A, 79, fig. 12.
Sinclair, W. J. 1914 A, 267.
Lower Eocene (Wasatch); Wyoming.

ELOTHERIIDÆ Alston.

Alston, E. R. 1878, Zool. Record for 1876, Mamm., 18.
Hay, O. P. 1902 A, 653 (Suidæ, in part).
Abel, O. 1913 B, 739 (Elotheriidæ); 729, 738 (Hypoconifera).
1914 A, 121, 128, 154 (Elotheriidæ); 121, 128. 154 (Hypoconifera).
1920 A, 434 ("elotheriiden").
1926 B, 27, 78, 346 ("entelodonten").
Gregory, W. K. 1920 A, 191 (Entelodontinæ).
Lydekker, R. 1883 A, 146 (Entelodontidæ).
Marinelli, W. 1924 A, 24 ("entelodontiden").
Matthew, W. D. 1907 A, 216.
1909 C, 104, 106, 108, 111, 113, 119.
1921 D, 214 (Entelodontidæ).
1928 B, 968, 980 ("entelodonts").
Matthew and Granger 1925 D, 7 (Entelodontidæ).
O'Harra, C. C. 1910 A, 103, 146.
1920 A, 118.
Osborn, H. F. 1909 D, 61, 63, 125 (Entelodontinæ).
1910 B, 614 (Entelodontidæ).
Peterson, O. A. 1909 A, 47, 144 (Entelodontidæ).
Schlosser, M. 1921 A, 120.
Scott, W. B. 1913 A, 250, 281, 361, 366, 445 (Entelodontidæ).
Sinclair, W. J. 1921 C, 467 (Entelodontidæ).
1922 A, 654 ("entelodonts").
Stehlin, H. G. 1910 A, 1135 (Hypoconifera).
Troxell, E. L. 1920 B, 254 (Entelodontidæ).
Weber and Abel 1928 A, 426, 618 (Elotheriidæ, Entelodontidæ).
Zittel and Schlosser 1911 A, 474.
1923 A, 562, 602.

ELOTHERIUM Pomel. Type *E. magnum* (Aymard).

Hay, O. P. 1902 A, 654.
Matthew, W. D. 1928 B, 981, fig. 16 (Enteledon).
Schlosser, M. 1921 A, 120.
Zittel and Schlosser 1911 A, 475.
1923 A, 425, 562, 670, fig. 527.

For additional citations see under *Archæotherium*. The two species recorded below are represented by materials hardly identifiable in other specimens.

Elotherium imperator Leidy.

Hay, O. P. 1902 A, 655.
Condon, T. 1902 A, 119, pl. xvi ("Entelodon," This species?).
Cope and Matthew 1915 A, pl. cix *a*, fig. 2 (Elotherium, Entelodon).
Matthew, W. D. 1909 C, 108.
Merriam and Sinclair 1907 A, 186.
O'Harra, C. C. 1910 A, 105, pl. xlii.
1920 A, pl. xxxviii.
Peterson, O. A. 1909 A, 69 (This species?).
Repelin, J. 1918 A, 398 (Enteledon).
Trouessart, E. L. 1905 A, 653 (Entelodon).
Troxell, E. L. 1920 B, 250 (Archæotherium).
Upper Oligocene (John Day); Oregon.

Elotherium superbum Leidy.

Hay, O. P. 1902 A, 656.
Cope, E. D. 1880 V, 62 ("Elotherium").

Hay, O. P. 1927 D, 228.
Lindgren, W. 1911 A, 52.
Peterson, O. A. 1909 A, 69 (Elotherium?).
Troxell, E. L. 1920 B, 250 (Archæotherium).
Whitney, J. D. 1879 B, 283 ("elotherium"). Miocene?; California.

Elotherium sp. indet.

Figgins, J. D. 1925 A, 19. Oligocene; Colorado.

Scaptohyus Sinclair. Type *S. altidens* Sinclair.

Sinclair, W. J. 1921 C, 480.

Scaptohyus altidens Sinclair.

Sinclair, W. J. 1921 C, 480, figs. 11-17. Upper Oligocene (Upper Brule); South Dakota.

Archæotherium Leidy. Type *A. mortoni* Leidy.

Leidy, J. 1850 A, 90.
Hay, O. P. 1902 A, 654 (Elotherium).
Abel, O. 1912 D, 605 (Entelodon).
1912 F, 239, 644 (Entelodon).
1913 B, 739 (Elotherium).
1914 A, 154, fig. 105 (Elotherium).
Arldt, T. 1907 D, 259 (Elotherium).
Baird, S. F. 1876 A, 334 (Elotherium).
Barbour, E. H. 1906 C, 781 (Elotherium).
1912 A, 50 (Elotherium).
1925 B, 32 (Entelodon).
Beddard, F. E. 1902 A, 279 (Elotherium).
Bush, L. P. 1903 A, 97 (Entelodon).
Case, E. C. 1899 B, 172 (Elotherium).
Cope, E. D. 1880 U, 156 (Elotherium).
Dall and Harris 1892 A, 222 (Elotherium).
Depéret, C. 1908 A, 167 (Entelodon).
1912 A, 707 (Entelodon).
Gaudry, A. 1875 D, 1282 (Entelodon).
Gervais, P. 1859 A, 194 (Entelodon).
Giebel, C. G. 1855 A, 73, pl. xxx, fig. 1 (Entelodon).
Greene, F. V. 1853 A, 292.
Gregory, W. K. 1920 B, 190, fig. 161 (Entelodon).
Haug, E. 1911 A, 1528, 1529, 1705 (Elotherium).
Jaekel, O. 1909 C, 707 (Elotherium).
Kampfen, P. N. 1905 A, 586 (Elotherium).
Lambe, L. M. 1904 C, 29 (Elotherium).
Marinelli, W. 1924 A, 24.
Matthew, W. D. 1901 B, 369, 370 (Elotherium).
1906 B, 365 (Elotherium).
1907 A, 172, 176 (Elotherium).
1909 C, 108, 119 (Elotherium).
1915 A, 253 (Entelodon).
1915 K, 420 (Entelodon).
1924 E, 748 (Entelodon).
Matthew and Granger 1923 A, 3.
Merriam, J. C. 1915 G, 99 (Elotherium).
Merriam and Sinclair 1903 A, 95 (Elotherium).
1907 A, 188 (Elotherium).
Moodie, R. L. 1923 B, 126.
O'Harra, C. C. 1910 A, 104 (Elotherium).
Osborn, H. F. 1904 F, 41 (Elotherium).
1909 D, 125 (Elotherium).
1910 B, 217, 218 (Archæotherium); 230, 549, fig. 76 (Entelodon).
1925 D, 532.
Owen, R. 1866 B, 286 (Entelodon).
Peterson, O. A. 1909 A, 47, 144.
Repelin, J. 1918 A, 397 (Elotherium).
Schlosser, M. 1899 I, 349 (Entelodon).
1902 G, 136 (Elotherium).
Scott, W. B. 1913 A, 676, figs. 133, 194.
Sinclair, W. J. 1921 C, 467.
1924 A, 124.
Stehlin, H. G. 1906 A, 673 (Elotherium).
Thorpe, M. R. 1923 E, 241 (Elotherium).
Trouessart, E. L. 1905 A, 653 (Entelodon).
Troxell, E. L. 1920 B, 361.
Turner, H. W. 1895 A, 375 (Elotherium).
Weber, M. 1904 A, 653 (Elotherium, Entelodon).
Zittel and Schlosser 1911 A, 475 (Elotherium).
1923 A, 562, 565, 670, fig. 699 (Syn. of Elotherium).

Archæotherium clavum clavum (Marsh).

Hay, O. P. 1902 A, 655 (Elotherium).
Marinelli, W. 1924 A, 26, fig. 1 (A. clavus c.).
Peterson, O. A. 1909 A, 49, fig. 7 (A. mortoni clavum).
Sinclair, W. J. 1921 C, 476 (syn. of A. mortoni).
1922 B, 61 (syn. of A. mortoni).
Trouessart, E. L. 1905 A, 653 (Entelodon).
Troxell, E. L. 1920 B, 251, 361, figs. 1-3 (A. clavus c.).
Weber and Abel 1928 A, 620, fig. 417 (A. clavus). Lower Oligocene (Chadron); South Dakota.

Archæotherium clavum darbyi Troxell.

Troxell, E. L. 1920 B, 367, figs. 4-8 (A. clavus d.).
Marinelli, W. 1924 A, 26, fig. 2 (A. clavus d.).
Sinclair, W. J. 1921 C, 476 (syn. of A. mortoni).
1922 B, 61 (syn. of A. mortoni).
Oligocene (Brule); Nebraska.

Archæotherium coarctatum (Cope).

Hay, O. P. 1902 A, 655 (Elotherium).
Lambe, L. M. 1904 C, 29, 38, 51 (Elotherium).
1905 D, 367 A (Elotherium).
1908 A, 10, 26, pl. ii, figs. 10, 15; pl. iii, figs. 1-6 (Elotherium).
Matthew, W. D. 1909 C, 104 (Elotherium).
Peterson, O. A. 1909 A, 55, fig. 11.
Sinclair, W. J. 1922 B, 53, 56.
Troxell, E. L. 1920 B, 349 (Enteledon). Lower Oligocene (Chadron); Assiniboia.

Archæotherium crassum (Marsh).

Hay, O. P. 1902 A, 655 (Elotherium).
Abel, O. 1913 B, 739, fig. 50 (Elotherium).
Cook, H. J. 1912 D, 35, 37 (Entelodon); 39 (Entelodon. This species?).
Heilmann, G. 1914 A, 53, fig. 143.
Matthew, W. D. 1901 B, 356, 357 (Elotherium. This species?).

Matthew, W. D. 1909 C, 104, 106 (Elotherium); 108 (Elotherium. This species?).
O'Harra, C. C. 1920 A, 150 (Elotherium).
Peterson, O. A. 1909 A, 51, figs. 8, 71.
Repelin, J. 1918 A, 398 (Entelodon).
Sinclair, W. J. 1921 C, 473, fig. 9 (This species?).
1924 A, 102, 126 (This species?).
Trouessart, E. L. 1905 A, 653 (Entelodon).
Troxell, E. L. 1920 B, 250, 375, fig. 9.
Zittel and Schlosser 1911 A, 475, fig. 660 (Elotherium).
Oligocene (Chadron); Colorado: (Brule); Nebraska.

Archæotherium ingens (Leidy).

Hay, O. P. 1902 A, 655 (Elotherium).
Barbour, E. H. 1912 A, 50, pl. i (Elotherium).
1925 B, 31 (Elotherium).
Cook, H. J. 1912 D, 3, 7, 39 (Entelodon).
Lee, Stone, Gale 1915 A, 40, pl. vii (Archeotherium).
Lydekker, R. 1910 F, 661, fig. 3.
O'Harra, C. C. 1910 A, 105, pl. xli (Elotherium).
1920 A, 119, 152, pls. xxvii, xxxvii; text-fig. 57 (Elotherium, Archæotherium).
Scott, W. B. 1913 A, 260 (fig. 137); 367 (fig. 192).
Sinclair 1921 C, 469 (Elotherium); 470, 493, fig. 4 (Archæotherium).
Trouessart, E. L. 1905 A, 653 (Entelodon).
Troxell, E. L. 1920 B, 250.
Weber and Abel 1928 A, 620, fig. 416.
Lower Oligocene (Chadron?); Nebraska: (Brule); Nebraska.

Archæotherium marshi Troxell.

Troxell, E. L. 1920 B, 252, 361, 379, pl. iii, fig. A; text-figs. 10-12.
Marinelli, W. 1924 A, 26, fig. 3.
Sinclair, W. J. 1921 C, 473.
Weber and Abel 1928 A, 621, fig. 418.
Oligocene (Lower); South Dakota.

Archæotherium mortoni Leidy.

Hay, O. P. 1902 A, 655 (Elotherium).
Baird, S. F. 1876 A, 334 (Elotherium mortonii).
Barbour, E. H. 1925 B, 31 (Elotherium).
Cook, H. J. 1912 D, 37 (Entelodon).
Darton, N. H. 1905 A, 173 (Elotherium).
Gervais, P. 1859 A, 360 (A. mortoni, A. robustum).
Matthew, W. D. 1901 B, 356 (Elotherium. This species?).
1909 C, 106 (Elotherium).
Merrill, G. P. 1907 A, 24 (A. mortoni, A. robustum); 35 (Elotherium).
Peterson, O. A. 1909 A, 47, figs. 4-6.
Scott, W. B. 1913 A, 367, fig. 193.
Sinclair, W. J. 1921 C, 476, figs. 7, 8.
1922 B, 54, 59, figs. 1-5.
1924 A, 101, 102, 124, 126, fig. 9.
Trouessart, E. L. 1905 A, 653 (Entelodon).
Troxell, E. L. 1920 B, 249.
1921 A, 475.
Zittel and Schlosser 1911 A, 475 (Syn. of Elotherium).
1923 A, 563 (Elotherium).
Oligocene (White River); South Dakota: (Brule); Nebraska.

Archæotherium scotti Sinclair.

Sinclair, W. J. 1921 C, 468, figs. 1-3, 22.
1924 A, 125, 126.
Oligocene (Chadron); South Dakota.

Archæotherium wanlessi Sinclair.

Sinclair, W. J. 1921 C, 472, figs. 5, 6, 9, 21.
Marinelli, W. 1924 A, 27.
Sinclair, W. J. 1924 A, 102, 126.
Oligocene (Lower Brule); South Dakota.

Archæotherium sp. indet.

Condon, T. 1901 A, 100, pl. xvi ("Elotherium").
1910 A, 119, pl. xvi ("Entelodon"). Oligocene; Oregon.
Cook, H. J. 1912 D, 41 (Entelodon). Lower Miocene (Lower Harrison); Nebraska.
Figgins, J. D. 1921 A, 19.
Gregory and Cook 1928 A, 3. Oligocene (Chadron); Colorado.
Matthew, W. D. 1909 C, 104, 108, 113 (Elotherium). Oligocene (Lower and Upper): Lower Miocene (Harrison); Nebraska.
Merriam, J. C. 1901 B, 586, fig. 5 ("Elotherium").
Merriam and Sinclair 1907 A, 188, 190, 191, 192. John Day; Oregon.
Merrill, G. P. 1907 A, 24 (Arctodon). Oligocene (White River); South Dakota.
Sinclair, W. J. 1924 A, 102.
Troxell, E. L. 1920 B, 372. Oligocene (Cedar Creek?); Colorado.

Chœrodon Troxell. Type *C. caninus* Troxell.

Troxell, E. L. 1920 B, 442.

Chœrodon caninus Troxell.

Troxell, E. L. 1920 B, 442, figs. 19, 20.
Weber and Abel 1928 A, 619, fig. 415.
Oligocene (Middle John Day); Oregon.

Dinohyus Peterson. Type *Dinochœrus hollandi* Peterson.

Peterson, O. A. 1905 D, 719.
Abel, O. 1926 B, 373, 443.
Barbour, E. H. 1925 B, 32.
Eastman, C. R. 1912 C, 658.
Haug, E. 1911 A, 1705.
Matthew, W. D. 1909 C, 108.
Osborn, H. F. 1907 F, 872.
1909 D, 72, 74.
Osborn, H. F. 1910 B, 612.
1912 G, 247, 249.
Peterson, O. A. 1905 C, 212 (Dinochœrus, preoccupied).
1909 A, 66.
1912 B, 167.
Troxell, E. L. 1920 B, 361.
1921 A, 475.

Scott, W. B. 1913 A, 239, 366.
Weber and Abel 1928 A, 622.
Zittel and Schlosser 1911 A, 475.
1923 A, 563, 672.

Dinohyus hollandi Peterson.

Peterson, O. A. 1905 C, 212 (Dinochœrus).
Abel, O. 1914 A, 155, fig. 106.
Allen, G. M. 1926 A, 450.
Barbour, E. H. 1924 A, 13 ("Dinohyus").
Cook, H. J. 1912 D, 41.
Matthew, W. D. 1909 C, 113.
1923 D, 359, figs. 8, 11.
O'Harra, C. C. 1910 A, 104.
1920 A, 118, 157, pl. xxxvii; text-figs. 55, 56, 58.
Osborn, H. F. 1910 B, 187, figs. 80, 83.
1918 B, 132 ("Dinohyus").
Peterson, O. A. 1905 D, 719.
1906 B, 491.
1906 C, 49, pls. xvi, xvii.
1909 A, 66, pls. lv-lxii; text-figs. 29-70, 72-80.
Troxell, E. L. 1920 B, 252.
Zittel and Schlosser 1911 A, 475.
1923 A, 563, fig. 700.
Lower Miocene (Harrison); Nebraska.

Dinohyus mento Allen.

Allen, G. M. 1926 A, 450, pl. i (This genus?).
Miocene? (Phosphate beds); South Carolina.

Dinohyus sp. indet.

Cook, H. J. 1912 D, 42. Pliocene (Upper Harrison); Nebraska.
Loomis, F. B. 1923 A, 222. Miocene (Lower Harrison); Nebraska.

PELONAX Cope. Type *P. ramosus* Cope.

Cope, E. D. 1874 B, 504.
Hay, O. P. 1902 A, 654 (Elotherium, in part).
Barbour, E. H. 1925 B, 32.
Marinelli, W. 1924 A, 26.
Palmer, T. S. 1904 A, 520, 929.
Peterson, O. A. 1909 A, 56.
Troxell, E. L. 1920 B, 254, 361.
Wallace, A. R. 1876 A, 138.

Pelonax bathrodon (Marsh).

Hay, O. P. 1902 A, 656 (Ammodon).
Cook, H. J. 1912 D, 39 (Entelodon bothrodon).
Matthew, W. D. 1909 A, 108, fig. 13 (Elotherium).
1909 C, 108 (Elotherium).
O'Harra, C. C. 1920 A, 154 (Elotherium).
Peterson, O. A. 1909 A, 57, fig. 13.
Troxell, E. L. 1920 B, 251, 432, pl. iii, fig. B; text-fig. 14.
Upper Oligocene (Brule); South Dakota.

Pelonax potens (Marsh).

Hay, O. P. 1902 A, 656 (Ammodon).
Marinelli, W. 1924 A, 27, fig. 4.
Peterson, O. A. 1909 A, 60, fig. 14.
Troxell, E. L. 1920 B, 251, 431, figs. 13, 14.
Weber and Abel 1928 A, 622, fig. 420.
Middle Oligocene (Cedar Creek); Colorado.

Pelonax ramosus Cope.

Hay, O. P. 1902 A, 656 (Elotherium).
Baird, S. F. 1876 A, 334 (Elotherium).
Cope and Matthew 1915 A, pl. cix, figs. 1, 2; pl. cix *a*, fig. 1 (Elotherium, Pelonax).
Dall and Harris 1892 A, 289 (Elotherium).
Matthew, W. D. 1901 B, 356, 357 (Elotherium).
1909 C, 106 (Pelonax).
Osborn, H. F. 1904 F, 41 (Elotherium).
Peterson, O. A. 1909 A, 56, fig. 12 (Pelonax).
Troxell, E. L. 1920 B, 251, 253.
Middle Oligocene (Cedar Creek); Colorado.

MEGACHŒRUS Troxell. Type *M. zygomaticus* Troxell.

Troxell, E. L. 1920 B, 433.
Marinelli, W. 1924 A, 26.
Matthew and Granger 1923 A, 3.

Megachœrus latidens Troxell.

Troxell, E. L. 1920 B, 437, figs. 17, 18.
Sinclair, W. J. 1921 C, 493.
Oligocene (Upper Brule); South Dakota.

Megachœrus zygomaticus Troxell.

Troxell, E. L. 1920 B, 433, fig. 16.
Marinelli, W. 1924 A, 27, fig. 5.
Sinclair, W. J. 1921 C, 486, figs. 18, 19.
Weber and Abel 1928 A, 620, fig. 421.
Oligocene (Upper Brule); South Dakota.

BOÖCHŒRUS Cope. Type *B. humerosus* Cope.

Hay, O. P. 1902 A, 654 (Elotherium, in part).
Barbour, E. H. 1925 B, 32.
Osborn, H. F. 1910 B, 218, 549.
Palacký, J. 1903 B, 312.
Palmer, T. S. 1904 A, 139, 928.
Peterson, O. A. 1909 A, 61.
Scott, W. B. 1913 A, 367.

Boöchœrus humerosus Cope.

Hay, O. P. 1902 A, 655 (Elotherium).
Cope and Matthew 1915 A, pl. cix *a*, figs. 3-8; pl. cx [(B. Dæodon?)].
Matthew, W. D. 1909 C, 108.
Merriam and Sinclair 1907 A, 186 (Elotherium).
Peterson, O. A. 1909 A, 61, 122, figs. 15-17.
Sternberg, C. 1881 C, 417.
1884 B, 676.
1909 C, 186 (Elotherium).
Oligocene (John Day); Oregon.

Dæodon Cope. Type *D. shoshonensis* Cope.

Hay, O. P. 1902 A, 633.
Barbour, E. H. 1925 B, 32.
Holland and Peterson 1913 A, 213.
Matthew, W. D. 1909 C, 108.
Osborn, H. F. 1910 B, 549.
Palmer, T. S. 1904 A, 214, 941.
Peterson, O. A. 1909 A, 63.
Troxell, E. L. 1921 A, 476.

Dæodon calkinsi (Sinclair).

Sinclair, W. J. 1905 A, 132, pl. xv (Elotherium).
Matthew, W. D. 1909 C, 108 (Elotherium?).
Merriam and Sinclair 1907 A, 186, 191, 192 (Elotherium).
Peterson, O. A. 1909 A, 64, fig. 19.
Troxell, E. L. 1920 B, 249 (Enteledon); 442 (Chœrodon).
Upper Oligocene (John Day); Oregon.

Dæodon shoshonensis Cope.

Hay, O. P. 1902 A, 633.
Matthew, W. D. 1909 C, 108.
Merriam and Sinclair 1907 A, 186.
Peterson, O. A. 1909 A, 64, fig. 18.
Troxell, E. L. 1920 B, 251.
1921 A, 476.
Upper Oligocene (John Day); Oregon.

Ammodon Marsh. Type *A. leidyanus* Marsh.

Hay, O. P. 1902 A, 656.
Palmer, T. S. 1904 A, 92, 927.
Peterson, O. A. 1909 A, 67, fig. 22 (This genus?).

Ammodon leidyanus Marsh.

Hay, O. P. 1902 A, 656.
Peterson, O. A. 1909 A, 67, figs. 20, 21 (A. leidyanum).
Rhoads, S. N. 1903 A, 237 (A. leidyanum).
Troxell, E. L. 1920 B, 252, 441, pl. iii, fig. C.
1921 A, 475.
Weber and Abel 1928 A, 623.
Miocene?; New Jersey.

SUIDÆ Gray.

Gray, J. E. 1821 A, 306.
Hay, O. P. 1902 A, 653.
Abel, O. 1913 B, 729, 739.
1914 A, 157.
1919 A, 800.
Adloff, P. 1901 A, 481 (Sus).
1901 C, 419 ("schweine").
1913 A, 238 ("schweine").
1913 C, 12 (Sus).
Ahrens, H. 1912 A, 513 ("schweine").
1913 B, 109 (Sus).
Ameghino, F. 1889 A, 1025.
1912 B, 171 ("suidés").
Anderson, R. J. 1912 D, 253.
Andres, J. 1924 A, 259.
Arldt, T. 1907 D, 683.
Bäumler, H. 1922 A, 140 ("schweine").
Bardeleben, K. 1907 B, 155 ("schwein").
Baum, H. 1920 A, 19, figs. 5, 11-15, 18-20 ("schwein").
Beecker, A. 1903 A, 596 (Sus).
Behlen, H. 1906 A ("schweine").
1907 A ("suiden").
Bertelli, D. 1909 A, 166, figs. 6, 32 (Sus).
Beyer, H. 1908 A, 81, 98 ("schweine").
Bild, A. 1902 A, 401 (Sus).
Black, N. 1900 A, 11 (Suina).
Blendinger, W. 1904 A, 456, fig. 2 ("schwein").
Boas, J. E. V. 1884 B, 394 ("schweine").
Bolk, L. 1922 A, 130.
Bonaparte, C. L. 1832 A, 292 (Suina).
Burlet, H. M. 1913 B, 397, fig. 7 (Sus).
Carus, J. V. 1875 A, 146 (Suina).
Cleland, J. 1863 B, 300 ("pigs").
Cope, E. D. 1885 EE, 606 ("hogs").
Cuvier, F. 1825 A, 208 ("sangliers").
Cuvier, G. 1805 A ("cochons").
1825 A, II, 115-126, pls. i, ii ("cochons").
Dependorf, T. 1907 C, 109 ("suiden").
Depéret, C. 1905 C, 704 ("suidés").
1906 A, 619 ("suidés").
1906 B, 1120 ("suidés").
1907 B ("suidés").
Dieterich, K. 1841 A, 84 (Sus).
Disselhorst, R. 1906 A, 324 ("schweine").
Dixey, F. A. 1881 A, 69, pl. ii, fig. 3 ("pig").
Doran, A. H. G. 1878 A, 422.
Ellenberger and Baum 1903 A ("schweine").
Engelman, O. 1910 A, 486 ("schweine").
Fairchild, H. L. 1894 A, 208 ("hogs").
Foote, J. S. 1916 A, 104 (Sus).
Forster, A. 1901 A, 103 ("schwein").
Frassetto, F. 1903 A, 193.
Frech, F. 1906 A, 492 ("schweine").
Gaudry, A. 1891 C, 130 ("schweine").
Gaupp, E. 1905 D, 1040 ("schweine").
1910 C, 336 ("schwein").
Gegenbaur, C. 1880 A, 590 ("schweine").
1888 A, 395 ("schweine").
Gervais, P. 1852 A, 98 (Sus).
1859 A, 173 ("suidés"); 175 ("suins").
Gidley, J. W. 1920 A, 653.
Giebel, C. G. 1883 A ("schweine").
Gregory, W. K. 1920 A, 193, figs. 166-168.
1920 B, 266.
Haller, G. 1922 A ("schweine").
Hanson, F. B. 1918 A, 291.
1919 A, 197 (Sus).
1920 C, 1 (Sus).
Hasse, C. 1872 B, 547 ("schwein").
Hasse and Schwarck 1870 A, 141 (Sus).
Hayek, H. 1926 A, 171 ("schwein").
Hoernes, R. 1886 A, 681.
Holland, W. J. 1912 B, 750.
Hollard, H. 1864 C, 362 ("suidés").
Hrdlička, A. 1903 A, 379.

Hrdlička, A. 1921 A, 166.
Huxley, T. H. 1856 A, 49 ("pig").
1863 E, 553 ("pig").
1870 F, 530 ("pigs").
Jacobi, A. 1921 A, 216.
Kampfen, P. N. 1905 A, 583.
Kingsley, J. S. 1900 A, 221 ("pig").
Klatt, B. 1912 A, 165 ("schweine").
Knottnerus-Meyer, F. 1907 A, 7, 97.
Köstlin, O. 1844 A ("schweine").
Kravetz, L. P. 1906 A, 10, pls. i, ii ("schwein").
1906 A, 10 ("schweine").
Laloy, L. 1907 A, 586 ("suidés").
Lankester, E. R. 1908 A, 324 ("pigs").
Lavocat, A. 1885 A, 48 ("suidés").
Leboucq, H. 1884 A, 85, fig. 43 ("porc").
Leche, W. 1887 A.
Lepkowski, W. 1897 A, 571, figs. 3-6, 8-11 ("schweine").
Leunis and Ludwig 1883 A, 239 (Suina).
Lobley, J. L. 1908 A, 200, 204.
Loomis, F. B. 1925 E, 584, fig. 4.
Lydekker, R. 1913 B, 7.
1915 D, 306.
Major, C. J. F. 1901 B, 245.
Martins, C. 1867 A, 68 ("cochons").
Matthew, W. D. 1901 B, 371.
1915 K, 457, fig. 17 ("pigs and peccaries").
1924 C, 176.
1928 B, 968 ("pigs").
Mead, C. S. 1909 A, 167 (Sus).
Meckel, J. F. 1825 A ("schweine").
Nauck, E. 1926 A, 208, figs. 1, 2 ("schwein").
1926 B, 45, figs. 10-12 (Sus).
Noordenbos, W. 1905 B, 376 ("schwein").
Owen, R. 1848 B, 129, fig. 24 (Sus).
1866 A, 469.
Palmer, T. S. 1904 A, 772, 927.
Pander and Alton 1821 B, 17, pls. xi, xii ("schweine").
Parker, W. K. 1879 C, 342 ("pig").
Paulli, S. 1900 A, 193, figs. 7-10 ("schweine").
Peter, K. 1924 B, 461, figs. 1, 5-7, 15 ("schweine").
Pictet, F. J. 1853 A, 323 ("cochons").
Pilgrim, G. E. 1913 A, 298.
Popowa, N. 1913 A, 279 ("schweine").
Pouchet and Chabry 1884 A, 161 ("porc").
Puntigam, F. 1925 A, 470.
Rathke, H. 1846 A, 168 ("cochoins").
Rehs, J. 1914 A, 48.
Reichert, K. B. 1837 A, 207, pls. vii-ix ("schweine").
1849 A, 447, 467 ("schwein").
Retterer, E. 1884 A, 486, 509 ("porc").
Retterer and Lelièvre 1910 B, 988 ("porc").
Retzius, A. 1837 A, 488 ("schwein").
Rosenberg, A. 1873 A, 121 ("schwein").
Schlosser, M. 1900 C, 134 ("schweine").
1902 J, 256.
1902 K, 463 ("suiden").
1903 I, 182 ("suiden").
1911 A, 165 ("suiden").
Schmalhausen, J. J. 1908 B, 373 ("schweine").
Schmidt, O. 1886 A, 137.
Schorr, G. 1908 A, 80, figs. 1-15 ("schwein").
Scott, W. B. 1896 D, 57 ("pigs").
1917 A, 144 ("pigs").
Sippel, W. 1907 A, 509, figs. 8, 9 (Sus).
Sisson, S. 1910 A, 136, figs. 105-114.
Stadelmann, F. 1916 A, 114, pls. viii, ix (Sus).
Stehlin, H. G. 1908 A, 691, 738.
Taschenberg, O. 1899 A, 4684.
Tims, H. W. M. 1903 A, 143.
Tornier, G. 1888 A, 230 ("schweine").
1891 A, 122 ("suiden").
Tourneux, F. and J. P. 1912 A, 69, figs. 4-6 ("porc").
Trouessart, E. L. 1905 A, 652.
Van Bemmelen, J. F. 1918 A, 572.
Wallace, A. R. 1876 A, I, 119; II, 214.
1894 A, 435.
Weber, M. 1904 A, 643, 647.
Weber and Abel 1928 A, 538, 547.
Whitehead and Waddell 1911 A, 93, figs. 1-4 ("pig").
Windle, B. C. A. 1905 A, 1051 ("schweine").
Winge, H. 1906 A, 70, 143 (Suini).
Woodward, A. S. 1898 D, 335 ("pigs").
Wright, R. R. 1883 A, 263.
Zaaijer, T. 1894 A, 340, fig. 4 (Sus).
Zierler, F. E. 1905 A, 508 ("suiden").
Zimmerman, A. 1912 A, 650 ("schwein").
Zittel, K. A. 1897 A, 126 ("suiden").
Zittel and Schlosser 1911 A, 472.
1923 A, 560, 562.

SUINÆ.

Hay, O. P. 1902 A, 656 (Hyotheriinæ); 661 (Suinæ).
Arldt, T. 1907 D, 659 (Hyotherinæ).
Cope, E. D. 1888 X, 1087 (Hyotheriinæ).
Matthew, W. D. 1924 C, 177.
Palmer, T. S. 1904 A, 747, 927 (Hyotheriinæ).
Weber, M. 1904 A, 649.

HYOTHERIUM Meyer. Type *H. sömmerringii* Meyer.

Hay, O. P. 1902 A, 656.
Beddard, F. E. 1902 A, 280.
Depéret, C. 1892 A, 84.
Filhol, H. 1881 A, 6-39, pls. iv-x.
Gervais, P. 1859 A, 181.
Giebel, C. G. 1883 A, 125.
Heilprin, A. 1887 A, 374.
Lydekker, R. 1887 D, 19, fig.
Matthew, W. D. 1924 C, 177.
1928 B, 981, fig. 16.
Matthew and Cook 1909 A, 391.
Palmer, T. S. 1904 A, 339, 928.
Pilgrim, G. E. 1913 A, 298, 313.
Schlosser, M. 1916 A, 21.
Seeley, H. G. 1878 A, 223.
Trouessart, E. L. 1905 A, 655.
Weber, M. 1904 A, 652.

The two species here arranged under *Hyotherium* probably belong elsewhere.

Hyotherium americanum Scott and Osborn.

Hay, O. P. 1902 A, 656.
Matthew and Cook 1909 A, 391 ("=an oreodont").
Trouessart, E. L. 1905 A, 656.
Oligocene (White River); region of South Dakota and Nebraska.

Hyotherium platyops Cope.

Hay, O. P. 1902 A, 656.
Cook, H. J. 1912 D, 39 (Perchœrus).
Matthew, W. D. 1909 C, 109 (Perchœrus?)
O'Harra, C. C. 1920 A, 154 (Perchœrus).
Trouessart, E. L. 1905 A, 656.
Upper Oligocene (Brule); region of South Dakota and Nebraska.

PALÆOCHŒRINÆ Matthew.

Matthew, W. D. 1924 C, 176.

PERCHŒRUS Leidy. Type *Palæochœrus probus* Leidy.

Hay, O. P. 1902 A, 657 (Perchœrus); 658 (Bothrolabis).
Arldt, T. 1907 D, 259 (Bothrolabis).
Barbour, E. H. 1925 B, 32 (Thinohyus).
Boule and Thevenin 1920 A, 164 (Perchœrus); 165 (Thinohyus).
Condon, T. 1902 A, 120, pl. xvii (Bothrolabis).
Cope, E. D. 1880 U, 156 (Palæochœrus).
Gaudry, A. 1875 D, 1282.
Gidley, J. W. 1904 A, 268.
Giebel, C. G. 1883 A, 124.
Gregory, W. K. 1920 A, 191, fig. 164.
Haug, E. 1911 A, 1528, 1529.
Heilprin, A. 1887 A, 354 (Thinohyus).
Hoernes, R. 1886 A, 682 (Tinohyus).
Kampfen, P. N. 1905 A, 587.
Lydekker, R. 1908 A, 510.
Matthew, W. D. 1901 B, 369, 370.
1907 A, 176, 178, 216 (Perchœrus, Thinohyus).
1909 C, 111.
1915 A, 242.
1915 K, 420.
1924 C, 176 (Perchœrus, Bothrolabis, Thinohyus).
1928 B, 981, fig. 16.
Merriam and Sinclair 1907 A, 190 (Thinohyus).
O'Harra, C. C. 1910 A, 105, 150.
Osborn, H. F. 1907 G, 197, fig. 199 (Thinohyus).
1910 B, 220, 223, 231 (Thinohyus).
Palacký, J. 1903 B, 312 (Perchœrus, Bothrolabis, Thinohyus).
Palmer, T. S. 1904 A, 141, 928 (Bothrolabis); 523, 929 (Perchœrus).
Pearson, H. S. 1923 A, 62, figs. 3, 4, 15, 16.
Peterson, O. A. 1906 A, 305 (Bothrolabis).
Scott, W. B. 1913 A, 361 (Thinohyus); 365 (Perchœrus).
Sinclair, W. J. 1905 A, 135 (Bothrolabis; a syn. of Thinohyus).
1924 A, 126.
Thorpe, M. R. 1923 E, 241.
Trouessart, E. L. 1905 A, 657 (Perchœrus, Bothrolabis).
Weber, M. 1904 A, 655 (Bothrolabis).
Zittel and Schlosser 1911 A, 473 (Perchœrus, Thinohyus).
1923 A, 561, 670-672.

Perchœrus antiquus Marsh.

Hay, O. P. 1902 A, 657.
Rhoads, S. N. 1903 A, 238 (Thinohyus).
Trouessart, E. L. 1905 A, 657.
Miocene (Shark River); New Jersey.

Perchœrus lentus (Marsh).

Hay, O. P. 1902 A, 657.
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 186, 190 [Thinohyus (Bothrolabis)].
Peterson, O. A. 1906 A, 319 (Thinohyus).
Sinclair, W. J. 1905 A, 135 (Thinohyus).
Trouessart, E. L. 1905 A, 657.
Upper Oligocene (John Day); Oregon.

Perchœrus minor Cook.

Cook, H. J. 1922 C, 358, fig. 20.
Pearson, H. S. 1923 A, 75.
Lower Oligocene (Chadron); Nebraska.

Perchœrus nanus (Marsh).

Hay, O. P. 1902 A, 657.
Cook, H. J. 1912 D, 37.
Matthew, W. D. 1909 C, 106
Pearson, H. G. 1923 A, 93.
Sinclair, W. J. 1924 A, 102, 126
Trouessart, E. L. 1905 A, 657.
Middle Oligocene (Brule); South Dakota.

Perchœrus osmonti (Sinclair).

Sinclair, W. J. 1905 A, 138, pl. xvii (Thinohyus).
Matthew, W. D. 1909 C, 109.
Merriam, J. C. 1901 B, 589, fig. 7 ("peccary").
Merriam and Sinclair 1907 A, 186, 188, 190 [Thinohyus (Bothrolabis)].
Upper Oligocene (John Day); Oregon.

Perchœrus pristinus Leidy.

Hay, O. P. 1902 A, 658 (Bothrolabis).
Cope and Matthew 1915 A, pl. cix *a*, fig. 9 (Thinohyus, Perchœrus); pl. cxi, fig. 2 (Palæochœrus, Perchœrus).
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 186, 189, 190 (Thinohyus).
Pearson, H. S. 1923 A, 69, 78, 80, 85, figs. 5, 10, 12, 17.
Sinclair, W. J. 1905 A, 140 (Thinohyus).
Trouessart, E. L. 1905 A, 657 (Bothrolabis).
Upper Oligocene (John Day); Oregon.

Perchœrus probus Leidy.

Hay, O. P. 1902 A, 657.
Cook, H. J. 1912 D, 37.
Giebel, C. G. 1883 A, pl. xliii.
Matthew, W. D. 1909 C, 106.
O'Harra, C. C. 1920 A, 152.

Pearson, H. S. 1923 A, 72, 74, figs. 6-9, 15, 16.
Sinclair, W. J. 1924 A, 126.
Trouessart, E. L. 1905 A, 657.
Middle Oligocene (Brule); South Dakota.

Perchœrus robustus (Marsh).

Hay, O. P. 1902 A, 657.
Cook, H. J. 1912 D, 39.
Matthew, W. D. 1909 C, 109.
O'Harra, C. C. 1920 A, 154.
Trouessart, E. L. 1905 A, 657.
Upper Oligocene (Upper Brule); South Dakota, Nebraska: (John Day); Oregon.

Perchœrus rostratus (Cope).

Hay, O. P. 1902 A, 658 (Bothrolabis).
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 186, 189, 190 (Thinohyus).
Pearson, H. S. 1923 A, 69, 78, figs. 11, 13.
Sinclair, W. J. 1905 A, 140 (Thinohyus).
Trouessart, E. L. 1905 A, 657 (Bothrolabis).
Upper Oligocene (John Day); Oregon.

Perchœrus socialis (Marsh).

Hay, O. P. 1902 A, 657.
Cope and Matthew 1915 A, pl. cxi, fig. 3 (Palæochœrus, Perchœrus).
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 186 [Thinohyus (Bothrolabis)].
Pearson, H. S. 1923 A, 94, fig. 16.
Trouessart, E. L. 1905 A, 657.
Upper Oligocene (John Day); Oregon.

Perchœrus subæquans (Cope).

Hay, O. P. 1902 A, 658 (Bothrolabis).
Cook, H. J. 1912 D, 42 (Desmathyus. This species?).
Cope and Matthew 1915 A, pl. cx *a*, fig. 1 (Palæochœrus, Perchœrus).
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 186 (Thinohyus).
Pearson, H. S. 1923 A, 72 (Thinohyus).
Peterson, O. A. 1906 A, 306, figs. 1-3 (Thinohyus. This species?).
Sinclair, W. J. 1905 A, 140 (Thinohyus).
Trouessart, E. L. 1905 A, 657 (Bothrolabis).
Upper Oligocene (John Day); Oregon: Lower Miocene (Upper Harrison); Nebraska.

Perchœrus trichænus (Cope).

Hay, O. P. 1902 A, 658 (Bothrolabis).
Cope and Matthew 1915 A, pl. cx *a*, fig. 2 (Palæochœrus; Perchœrus).
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 186 (Thinohyus).
Pearson, H. S. 1923 A, 71, 80, figs. 14-16.
Peterson, O. A. 1906 A, 306 (Bothrolabis).
Sinclair, W. J. 1905 A, 140 (Thinohyus).
Trouessart, E. L. 1905 A, 657 (Bothrolabis).
Upper Oligocene (John Day); Oregon.

Perchœrus sp. indet.

Condon, T. 1902 A, 120, pl. xvii ("Bothrolabis").
1910 A, 101, pl. xvii ("Bothriolabis"). Oligocene (John Day); Oregon.
Cook, H. J. 1912 D, 35 Oligocene (Chadron); Nebraska.
Merriam, J. C. 1911 B, 275, fig. 55 (Thinohyus?). (Virgin Valley); Nevada.
Wanless, H. R. 1923 A, 220. Oligocene (White River); Nebraska.

CHÆNOHYUS Cope. Type *C. decedens* Cope.

Hay, O. P. 1902 A, 658.
Barbour, E. H. 1925 B, 32.
Beddard, F. E. 1902 A, 280.
Heilprin, A. 1887 A, 374 (Chœnohyus).
Matthew, W. D. 1909 C, 111.
1924 C, 176.
Osborn, H. F. 1910 B, 549.
Palacký, J. 1903 B, 312.
Palmer, T. S. 1904 A, 176, 928.
Sinclair, W. J. 1905 A, 135 (Syn. of Thinohyus).

Chænohyus decedens Cope.

Hay, O. P. 1902 A, 658.
Cope and Matthew 1915 A, pl. cx *a*, fig. 3; pl. cxi, fig. 1.
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 186, 188, 190 (Thinohyus).
Peterson, O. A. 1906 A, 318 (Thinohyus).
Sinclair, W. J. 1905 A, 134, 139, 140, pl. xvi (Thinohyus).
Trouessart, E. L. 1905 A, 657.
Oligocene (John Day); Oregon.

TAYASSUIDÆ Palmer.

Palmer, T. S. 1897, Proc. Biol. Soc. Wash., XI, 174.
Hay, O. P. 1902 A, 658 (Tayassuinæ).
Allen, J. A. 1902 A, 162 ("peccaries").
Ameghino, F. 1912 B, 170 ("dicotylinés").
Arldt, T. 1907 B, 453 ("dicotylinen").
1907 D, 650 (Dicotylinæ).
1912 A, 700, 746 (Tayassinæ).
Barbour, E. H. 1925 B, 25, 32 (Dicotylidæ, Tagassuidæ).
Beddard, F. E. 1902 A, 278 (Dicotylidæ).
Boule and Thevenin 1920 A, 163 ("pecaris").
Cuvier, F. 1825 A, 210 ("dicotyles").
Elliot, D. G. 1901 A, 33 (Dicotylidæ).
Gervais, P. 1855 B, 335 ("pécaris").
Gidley, J. W. 1920 A, 654.
Gill, T. 1902 B, 38 ("peccaries").
Grant, M. 1904 B, 196, 205 (Dicotylidæ).
Hanson, F. B. 1918 A, 291 ("peccaries").
Hay, O. P. 1912 D, 595.
1914 A, 212.
1923 A, 5, 312 (Tagassuidæ).
1927 E, 76 ("peccaries").

Knottnerus-Meyer, T. 1907 A, 6, 97, 102 (Tayassidæ).
Lydekker, R. 1907 B, 63 (Dicotylidæ).
1913 B, 7 (Dicotylidæ).
1915 D, 374 (Dicotylinæ).
Matthew, W. D. 1907 A, 216 (Dicotylidæ).
1909 C, 113, 115, 117, 119, 120 (Dicotylidæ, Tagassuidæ).
1910 H, 477 ("peccaries").
1915 A, 241, 254, figs. 21, 23 (Dicotylidæ).
1918 A, 214 (Dicotylidæ).
1924 C, 176 (Dicotylidæ); 177 (Dicotylinæ).
1928 B, 968, 980 ("peccaries").
Miller, G. S. 1912 B, 383.
1924 C, 481.
O'Harra, C. C. 1910 A, 103 (Dicotylidæ).
1920 A, 118 (Dicotylidæ).
Osborn, H. F. 1905 I, 109 (Dicotylidæ).
1909 D, 59, 63 (Dicotylidæ).
1910 B, 612 (Dicotylidæ).
Palmer, T. S. 1904 A, 773 (Tayassuidæ); 930 (Tagassuidæ).
Paulli, S. 1900 A, 199, figs. 11, 12 (Dicotyles).
Scharff, R. F. 1911 A, 156 ("peccaries").
Schlosser, M. 1902 J, 258 ("peccaries").
Schwarz, E. 1924 A, 420 ("peccaries").
Scott, W. B. 1913 A, 361, 363 (Tagassuidæ).
1916 A, 119 ("water-hogs").
1928 B, 260 ("peccaries").
Trouessart, E. L. 1905 A, 658 (Tayassinæ).
Wallace, A. R. 1876 A, II, 215 ("peccaries").
Weber, M. 1904 A, 651 (Dicotylinæ).
Weber and Abel 1928 A, 553 (Dicotylinæ).
Winge, H. 1906 A, 70, 138, 143 (Dicotylini).
Woodward, A. S. 1923 C, 37 (Dicotylidæ).

CYNORCA Cope. Type *C. proterva* Cope.

Cope, E. D. 1867 C, 144, 152.
Hay, O. P. 1902 A, 589 (Squalodon).
Case, E. C. 1904 D, 7, pl. x, figs. 4, 5 (Squalodon).
Cope, E. D. 1868 I, 185.
Kellogg, R. 1923 A, 28.
Leidy, J. 1869 A, 423.
Palmer, T. S. 1904 A, 213.

Cynorca proterva Cope.

Cope, E. D. 1867 C, 144, 152.
Hay, O. P. 1902 A, 589 (Squalodon).
Cope, E. D. 1868 I, 185.
Kellogg, R. 1923 A, 28.
Shattuck, G. B. 1904 A, xciv (Squalodon).
Middle Miocene (Calvert); Maryland.

DESMATHYUS Matthew. Type *D. pinensis* Matthew.

Matthew, W. D. 1907 A, 173, 217.
Barbour, E. H. 1925 B, 32.
Boule and Thevenin 1920 A, 165.
Loomis, F. B. 1910 A, 381 (Pediohyus, type P. ferus).
Lydekker, R. 1908 A, 510.
Matthew, W. D. 1909 C, 119.
1915 A, 242.
1924 C, 177, 178 (Desmathyus; Pediohyus a syn.).
O'Harra, C. C. 1910 A, 105, 131.
Osborn, H. F. 1909 D, 74, 75.
1910 B, 236, 286, 549.
1912 G, 249.
Pearson, H. S. 1923 A, 66, 68.
Scott, W. B. 1913 A, 361.

Desmathyus ferus (Loomis).

Loomis, F. B. 1910 A, 381, fig. 1 (Pediohyus).
Lower Miocene (Upper Harrison); Nebraska.

Desmathyus pinensis Matthew.

Matthew, W. D. 1907 A, 173, 217.
1909 C, 113.
O'Harra, C. C. 1920 A, 157.
Lower Miocene (Rosebud); South Dakota.

Desmathyus siouxensis (Peterson).

Peterson, O. A. 1906 A, 308, pls. xxxiv, xxxv; text-fig. 4 (Thinohyus).
Cook, H. J. 1912 D, 41.
Matthew, W. D. 1907 A, 216, 217.
1909 C, 113.
O'Harra, C. C. 1920 A, 121, 157, fig. 59.
Peterson, O. A. 1906 C, 35 (Thinohyus).
Lower Miocene (Lower Harrison); Nebraska.

Desmathyus sp. indet.

Matthew, W. D. 1909 C, 113. Miocene (Lower); Nebraska.
1924 C, 180. Middle Miocene (Sheep Creek); Nebraska.

PROSTHENNOPS Gidley. Type *P. crassigenis* Gidley.

Gidley, J. W. 1904 A, 265, 268.
Anonymous 1923 C, 406 (Hesperopithecus).
1924 A, 273 (Hesperopithecus).
Barbour, E. H. 1925 B, 32.
Boule and Thevenin 1920 A, 165.
Gregory, W. K. 1927 F, 397 (Hesperopithecus).
1927 H, 579 (Hesperopithecus); 580 (Prosthennops).
Gregory and Hellman 1923 A, 1 (Hesperopithecus).
1923 B, 509-530 (Hesperopithecus).
Haug, E. 1911 A, 1706.
Matthew, W. D. 1907 A, 217.
Matthew, W. D. 1909 C, 119.
1910 G, 155.
1915 A, 242.
1923 C, 410, 412 (Hesperopithecus).
1924 C, 177, 178.
1928 B, 981, fig. 16.
Merriam, J. C. 1914 C, 644 (This genus?).
1915 E, 197 (This genus?).
Miller, G. S. 1923 B.
O'Harra, C. C. 1910 A, 105, 133.
Osborn, H. F. 1909 D, 80, 81.
1910 B, 629.
1918 A, 23.

Osborn, H. F. 1922 A, 1 (Hesperopithecus, type *H. haroldcookii* Osborn).
1922 C, 464 (Hesperopithecus).
1922 E, 281 (Hesperopithecus).
1928 B, 199, fig. 3 (Hesperopithecus).
Peterson, O. A. 1914 C, 115 (Prostenops).
Scott, W. B. 1913 A, 361.
Smith, G. E. 1922 A, 944, figs. (Hesperopithecus).
Thacker, A. G. 1923 A, 285 (Hesperopithecus).
Thorpe, M. R. 1924 C, 393.
Woodward, A. S. 1922 A, 750 (Hesperopithecus).
Zittel and Schlosser 1911 A, 474.
1923 A, 561, 673, 679 (Prosthennops); 647, 650, 652 (Hesperopithecus).

Prosthennops crassigenis Gidley.

Gidley, J. W. 1904 A, 245, 265, figs. 14, 15.
Barbour, E. H. 1925 B, 27 (P. crassigens).
Cook, H. J. 1912 D, 44 (This species?).
1922 B, 12 (Prosthenops).
Frick, C. 1921 A, 352.
Matthew, W. D. 1909 C, 117.
1918 A, 186, 215 (This species?).
1924 C, 67, 177, 179 [P. (Macrogenis)].
Merriam, J. C. 1911 B, 274.
1917 A, 436 (This species?).
Merriam, Stock, Moody 1925 A, 84.
O'Harra, C. C. 1920 A, 159.
Sinclair, W. J. 1915 A, 77 (This species?).
Thorpe, M. R. 1924 C, 396.
Upper Miocene (Little White River); South Dakota: Lower Pliocene (Upper Snake Creek); Nebraska.

Prosthennops edensis Frick.

Frick, C. 1921 A, 350, figs. 58-63.
Stock, C. 1925 A, 21.
Pliocene (Eden); California.

Prosthennops haroldcookii (Osborn).

Unless otherwise indicated the writers, as cited, use for this species the generic name *Hesperopithecus*.
Osborn, H. F. 1922 A, 2, figs. 1-3.
Abel, O. 1926 B, 299, 365, 446.
Anonymous 1923 B, 412 ("Hesperopithicus").
Cook, H. J. 1926 D, 336 ("Hesperopithecus").
1927 A, 114 ("anthropoid").
Gregory, W. K. 1927 H, 580 (Syn.? of P. serus).
Gregory and Hellman 1923 A, 1, figs.
1923 B, 509-530, figs. 3-6, 11-13.
Matthew, W. D. 1923 A, 12 ("Hesperopithecus").
1924 C, 65.
Mollison, T. 1924 A, 715.
Osborn, H. F. 1922 C, 464.
1922 E, 282, fig. 2.
Pycraft, W. P. 1922 A, 707.
Thacker, A. G. 1923 A, 384.
Weber and Abel 1928 A, 831.
Woodward, A. S. 1922 A, 750.
Lower Pliocene (Upper Snake Creek); Nebraska.

Prosthennops longirostris Thorpe.

Thorpe, M. R. 1924 C, 393, figs. 1-4.
Pliocene; Oregon.

Prosthennops serus (Cope).

Hay, O. P. 1902 A, 659 (Tayassu).
Barbour, E. H. 1925 B, 27.
Cook, H. J. 1922 B, 12 (Prosthenops).
Gidley, J. W. 1904 A, 265.
Gregory, W. K. 1927 H, 580.
Matthew, W. D. 1909 C, 117.
1918 A, 215, fig. 15.
1923 A, 12 (This species?).
1924 C, 67, 177, 178.
Matthew and Cook 1909 A, 390.
Merriam, J. C. 1917 A, 438.
Merriam and Stock 1928 A, 19.
Merriam, Stock, Moody 1925 A, 85.
Thorpe, M. R. 1924 C, 396.
Trouessart, E. L. 1905 A, 658 (Tayassus).
Lower Pliocene (Republican River); Kansas: (Upper Snake Creek); Nebraska.

Prosthennops xiphidonticus Barbour.

Barbour, E. H. 1925 B, 25, figs. 12, 13.
Pliocene (Valentine); Nebraska.

Prosthennops sp. indet.

Barbour and Cook 1917 B, 180. Pliocene (Valentine); Nebraska.
Cook, H. J. 1922 B, 12 (Prosthenops). Pliocene (Snake Creek); Colorado.
Freudenberg, W. 1922 A, 4 (This genus?). Pliocene; Mexico.
Merriam, J. C. 1911 B, 272, figs. 52-53 (This genus?). Pliocene (Thousand Creek); Nevada.
1913 E, 378, fig. 5 (This genus?). Pliocene (Siestan); California.
1915 E, 201, fig. 15 (This genus?). Pliocene (Chanac); California.
1916 C, 126. Pliocene (Chanac); California.
1917 A, 426. Pliocene (Chanac); California: 428 (Rattlesnake); Oregon; 436 (Snake Creek); Nebraska.
1919 A, 450, 507, 527, fig. 83 (This genus?). Miocene (Barstow); California.
Merriam and Stock 1928 A, 19, text-fig. 12. Pliocene (Thousand Creek); Nevada.
Merriam, Stock, Moody 1925 A, 54, 59, 83, figs. 37-40 (This genus?). Pliocene (Rattlesnake); Oregon.
Stock, C. 1925 A, 18. Lower Pliocene (Rattlesnake); Oregon.

Hesperhys Douglass. Type *H. vagrans* Douglass.

Douglass, E. 1903 A, 174.
Matthew, W. D. 1909 C, 119.
Zittel and Schlosser 1923 A, 561, 673 (Hesperhyus).

Hesperhys vagrans Douglass.

Douglass, E. 1903 A, 153, 175, fig. 17.
Matthew, W. D. 1909 C, 115.
Middle Miocene (Flint Creek); Montana.

Platygonus Le Conte. Type *P. compressus* Le Conte.

Hay, O. P. 1902 A, 660.
Baker, F. C. 1920 A, 354.
Barbour, E. H. 1925 B, 32.
Behlen, H. 1906 A, 208.

Boule and Thevenin 1920 A, 164.
Brown, B. 1908 A, 200.
Case, E. C. 1899 B, 172.
Cope, E. D. 1880 U, 158 (Dicotyles).
1895 G, 596.
Felix and Lenk 1891 A, 127.
Frech and Geinitz 1903 A, 36.
Gidley, J. W. 1904 A, 268 (Platigonus).
1912 C, 19.
1920 A, 656, 657.
Giebel, C. G. 1855 A, 73.
1883 A, 124.
Haug, E. 1911 A, 1706, 1886.
Hay, O. P. 1910 D, 374.
1912 D, 595, 597.
1914 A, 212, 217.
Heilprin, A. 1887 A, 374.
Holland, W. J. 1912 B, 750.
Lull, R. S. 1904 C, 7.
Matthew, W. D. 1907 A, 217.
1910 G, 155.
1915 A, 241, 242.
1915 K, 403.
1924 C, 178.
1924 E, 748.
1928 B, 981, fig. 16.
Matthew and Cook 1909 A, 367.
Osborn, H. F. 1905 I, 109.
1907 G, 171, fig. 153.
1909 D, 133.
1910 B, 627.
1912 G, 251.
1918 A, 30.
1925 D, 532.
Palacký, J. 1903 B, 317.
Peterson, O. A. 1912 B, 167.
Rogers, A. F. 1924 A, 544.
Scharff, R. F. 1911 A, 153.
Schlosser, M. 1902 K, 475.
Scott, W. B. 1913 A, 202, 222, 364.
Thorpe, M. R. 1924 C, 395.
Trouessart, E. L. 1905 A, 658.
Upham, W. 1902 A, 149 ("peccaries").
1903 C, 22679 ("peccaries").
Wallace, A. R. 1876 A, I, 130; II, 215.
Weber, M. 1904 A, 653.
Weber and Abel 1928 A, 554.
Zittel and Schlosser 1911 A, 474.
1923 A, 561, 680-682.

Platygonus alemanii Dugès.

Dugès, A. 1891 A, 16, pls. i, ii.
Hay, O. P. 1902 A, 661 (Syn. of P. vetus).
Freudenberg, W. 1921 A, 139 (E. alemani).
1922 A, 5.
Furlong, E. L. 1925 A, 139 (P. almenanii).
Gidley, J. W. 1920 A, 658 (P. alemani).
Villada, M. M. 1903 A, 449, pl. vi (P. alemani).
Pleistocene; Mexico.

Platygonus bicalcaratus Cope.

Hay, O. P. 1902 A, 660.
Cope, E. D. 1893 A, 68, pl. xiii, fig. 5.
Dumble, E. T. 1894 A, 559.
Frick, C. 1921 A, 355.
Gidley, J. W. 1903 A, 477, fig. 1.
1903 C, 627.
Matthew, W. D. 1909 C, 120.
Matthew, W. D. 1924 C, 178.
Merriam, J. C. 1917 A. 435.
Montgomery, T. H. 1904 A, 57.
Trouessart, E. L. 1905 A, 658.
Upper Pliocene (Blanco); Texas.

Platygonus compressus Le Conte.

Hay, O. P. 1902 A, 660 (P. compressus); 661 (P. leptorhinus).
Baker, F. C. 1920 A, 468.
Barton, B. S. 1806 C, 158 ("peccary").
Felix and Lenk 1891 A, 136 (P. compressus?).
Frech and Geinitz 1903 A, 35.
Gervais, P. 1859 A, 365 (Dicotyles).
Gidley, J. W. 1920 A, 657 (P. compressus); 659 (P. leptorhinus).
Hartnagel and Bishop 1921 A, 85, pls. xxii-xxiv.
Haug, E. 1911 A, 1886.
Hay, O. P. 1910 D, 373 ("peccaries").
1912 D, 599, pls. iii, iv, figs. 3-6; pl. v; text-figs. 40, 41.
1914 A, 26, 38, 218, pls. xx, xxi, figs. 3-8; pls. xxii-xxv, figs. 1-3; text-fig. 84 (P. leptorhinus).
1920 A, 311 ("peccaries").
1920 B, 110.
1923 A, 494.
1924 D, 376 (Dicotyles); 384 (Platygonus); 158, 270 (P. leptorhinus).
1927 D, 299.
1928 C, 425.
Leidy, J. 1859 J, 184 ("peccary").
Matthew, W. D. 1902 F, 318.
Merriam and Stock 1921 B, 10 (P. compressus, P. leptorhinus); 10, figs. 1-8 (P. "possibly n. sp. or n. sub sp.").
Osborn, H. F. 1904 F, 33 (P. leptorhinus).
1909 D, 88.
1910 B, 463, figs. 201, 202 (P. leptorhinus).
1925 D, 541.
Palacký, J. 1903 B, 317, 324.
Peterson, O. A. 1906 A, 310 (P. leptorhinus).
1914 C, 114, pl. xxix (Platigonus leptorhinus).
Rath, G. 1886 A, 106 (This species?).
Ruschenberger and Tryon 1879 A, 89 (Dicotyles depressifrons, D. cristatus, Protochœrus prismaticus).
Stock, C. 1928 B, 25, figs. 1-6 (This species?).
Trouessart, E. L. 1905 A, 658.
Troxell, E. L. 1915 A, 616, fig. 24.
1917 A, 86 ("peccaries").
Villada, M. M. 1903 A, 449.
Wagner, G. 1903 A, 777, figs. 1-4.
Whitney, J. D. 1862 A, 134 (Dicotyles).
Williston, S. W. 1905 A, 335.
Worthen, A. H. 1866 A, 38 ("peccary").
Pleistocene; Illinois, Indiana, Kentucky, Ohio, New York, Missouri, Iowa, Kansas.

Platygonus condoni Marsh.

Hay, O. P. 1902 A, 660.
Dall and Harris 1892 A, 282 (Dicotyles).
Matthew, W. D. 1924 C, 178.
Thorpe, M. R. 1924 C, 396 (This genus?).
Trouessart, E. L. 1905 A, 658.
Miocene (Mascall); Oregon.

Platygonus cumberlandensis Gidley.

Gidley, J. W. 1920 A, 659, pls. liv, lv; text-figs. 1-3.
Hay, O. P. 1920 B, 102.
1923 A, 494.
1928 C, 429 (This species?).
Gidley, J. W. 1920 B, 283, pl. vi.
Leighton, M. M. 1921 A, 513 (This species?).
Pleistocene (Middle); Maryland, Illinois.

Platygonus francisi Hay.

Hay, O. P. 1927 D, 298, 299, pl. xi, figs. 1-4.
Pleistocene; Texas.

Platygonus intermedius Gidley.

Gidley, J. W. 1920 A, 660, text-figs. 4-6.
1920 B, 283 ("peccaries").
Hay, O. P. 1920 B, 102.
1923 A, 494.
1927 D, 299.
Pleistocene (Middle); Maryland.

Platygonus rex Marsh.

Hay, O. P. 1902 A, 661.
Gidley, J. W. 1903 A, 479.
Matthew, W. D. 1924 C, 178.
Merriam, J. C. 1911 B, 230.
Merriam and Sinclair 1907 A, 195, 198.
Merriam, Stock, Moody 1925 A, 59, 86 (This formation?).
Osborn, H. F. 1918 A, 30.
Thorpe, M. R. 1924 C, 397.
Trouessart, E. L. 1905 A, 658.
Upper Miocene (Rattlesnake?); Oregon.

Platygonus setiger Hay.

Hay, O. P. 1920 B, 84, pl. iii, figs. 21-23.
1923 A, 491 (Mylohyus, *errore*).
Pleistocene (Middle); Tennessee.

Platygonus striatus Marsh.

Hay, O. P. 1902 A, 661.
1924 D, 159.
Matthew, W. D. 1909 C, 117 (This genus?).
Trouessart, E. L. 1905 A, 658.
Upper Miocene (Arikaree?); Nebraska?

Platygonus tetragonus (Cope).

Hay, O. P. 1902 A, 660 (Tayassu).
Baker, F. C. 1920 A, 208, 213, 395 (Tayassu=Mylohyus).
Boule and Thevenin 1920 A, 166.
Gidley, J. W. 1920 A, 675 (Mylohyus).
Hay, O. P. 1920 B, 101, pl. iv, figs. 16, 17 (This species?).
1923 A, 496 (Tagassu).
Rhoads, S. N. 1903 A, 238 (Mylohyus).
Scharff, R. F. 1911 A, 156 (Tayassu).
Schlosser, M. 1902 H, 143 (Mylohyus).
Trouessart, E. L. 1905 A, 659 (Tayassus).
Pleistocene (Middle); Pennsylvania, Maryland.

Platygonus texanus Gidley.

Gidley, J. W. 1903 A, 478, figs. 2, 5.
Frick, C. 1921 A, 356.
Gidley, J. W. 1903 C, 621.
Matthew, W. D. 1909 C, 120.
Merriam, J. C. 1917 A, 435.
Merriam, Stock, Moody 1925 A, 87.
Osborn, H. F. 1910 B, 365, 458.
Trouessart, E. L. 1905 A, 658.
Upper Pliocene (Blanco); Texas.

Platygonus vetus Leidy.

Hay, O. P. 1902 A, 661.
Baker, F. C. 1920 A, 468.
Frick, C. 1921 A, 356.
Gidley, J. W. 1903 A, 479, figs. 3, 4.
1913 B, 96 (This species?).
1920 A, 658.
1922 B, 120 (This species?).
Hay, O. P. 1912 D, 605, pl. iv, fig. 1.
1914 A, 26.
1920 B, 102, pl. iv, figs. 18, 19 (This species?).
1923 A, 494.
1924 D, 160.
McCornack, E. C. 1920 A, 23 (P. sp. *a*).
Matthew, W. D. 1902 F, 318, 320.
Miller, L. H. 1912 A, 81 (This species?).
Rhoads, S. N. 1903 A, 239 (Platigonus).
Stock, C. 1925 A, 195 (This species?).
Trouessart, E. L. 1905 A, 658.

Platygonus ziegleri Marsh.

Hay, O. P. 1902 A, 661.
Matthew, W. D. 1924 C, 178.
Trouessart, E. L. 1905 A, 658.
Horizon unknown.

Platygonus sp. indet.

Cope, E. D. 1893 A, 87. Pleistocene; Oregon.
Frick, C. 1921 A, 354, figs. 64, 65 (This genus?).
Pliocene (Eden); California.
Gidley, J. W. 1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1923 A, 354. Pleistocene; Virginia.
1924 D, 382. Pleistocene; Nebraska, Texas.
1927 D, 311. Pleistocene; California, Florida, Oregon.
1928 C, 425.
McCornack, E. C. 1920 A, 23 (P. sp. *b*). Pleistocene (Fossil Lake); Oregon.
Matthew, W. D. 1902 F, 320. Oregon.
1918 A, 227, 228. Pleistocene (Sheridan); Nebraska.
1924 C, 181. Middle Miocene (Sheep Creek); Nebraska.
Merriam, J. C. 1915 E, 222, 227, figs. 32, 41. (Mylohyus or Platygonus): Pleistocene? (Etchegoin); California.
1917 A, 425 (This genus?). Pliocene (Etchegoin); California.
Merriam and Stock 1925 A, 10, 11 (This genus?). Pleistocene (Potter Creek cave); California.
Miller, L. H. 1912 A, 70, 81 (This genus?). Pleistocene (Potter Creek cave); California: (Fossil Lake); Oregon.
Moodie, R. L. 1923 B, 253.
Osborn, H. F. 1925 D, 531 (This genus?). Pleistocene (La Brea); California.
Sinclair, W. J. 1904 A, 18 (This genus?). Pleistocene (cave); California.
1905 B, 149, fig. 1 (This genus?). Pleistocene; California.

Stock, C. 1925 A, 21 (This genus?). Lower Pliocene (Eden); California: 30, 113. Pleistocene (La Brea, Potter Creek Cave); California: 195 (Fossil Lake); Oregon.

Wyman, L. E. 1922 A, 30. Pleistocene (La Brea); California.

MYLOHYUS Cope. Type *Dicotyles nasutus* Leidy.

Cope, E. D. 1889 G, 134.
Hay, O. P. 1902 A, 659 (Tayassu, in part).
Barbour, E. H. 1925 B, 32.
Boule and Thevenin 1920 A, 165.
Brown, B. 1908 A, 200.
Diener, C. 1912 A, 216.
Frech and Geinitz 1903 A, 36.
Gidley, J. W. 1904 A, 268.
1920 A, 656, 673.
Haug, E. 1911 A, 1887.
Hay, O. P. 1912 D, 595, 607.
1914 A, 212, 225.
Matthew, W. D. 1907 A, 217.
1915 A, 241, 242.
1915 K, 403.
1924 C, 177, 178.
Merriam, J. C. 1915 E, 227.
Osborn, H. F. 1909 D, 87.
1910 B, 440, 466, 470, 471, 488, 549.
Palmer, T. S. 1904 A, 438, 930.
Peterson, O. A. 1912 B, 167.
1914 C, 115.
Thorpe, M. R. 1924 C, 393.
Trouessart, E. L. 1905 A, 658 (Tayassus).
Zittel and Schlosser 1911 A, 474.
1923 A, 561, 680, 681.

Mylohyus browni Gidley.

Gidley, J. W. 1920 A, 675.
Brown, B. 1908 A, 201, pl. xxiv (Mylohyus sp. a.).
Hay, O. P. 1924 D, 157, 251.
Simpson, G. G. 1928 H, 3, 16, fig. 11 (This species?).
Pleistocene (Middle); Arkansas: Pleistocene (Early?); Florida.

Mylohyus exortivus Gidley.

Gidley, J. W. 1920 A, 676, figs. 11-13.
1920 B, 283 ("peccaries").
Hay, O. P. 1920 B, 98, pl. lv, figs. 4-13.
1923 A, 491.
Pleistocene (Middle); Maryland.

Mylohyus nasutus (Leidy).

Hay, O. P. 1902 A, 659 (Tayassu).
Baker, F. C. 1920 A, 464.
Cope, E. D. 1867 F, 138 ("peccary").
Gidley, J. W. 1920 A, 674.
Hay, O. P. 1912 D, 607, text-figs. 42, 43.
1914 A, 226, pl. xxv, figs. 4-6; pl. xxvi, figs. 1, 2.
1920 B, 90, pl. iii, figs. 12, 13; 98, pl. iv, figs. 2, 3.
1923 A, 491.
Palacký, J. 1903 B, 324 ("nasutus").
Rhoads, S. N. 1903 A, 238.
Schlosser, M. 1902 H, 143.
Trouessart, E. L. 1905 A, 659 (Tayassus).
Pleistocene (Middle); Indiana, Virginia, New Jersey?, Tennessee.

Mylohyus obtusidens Hay.

Hay, O. P. 1920 B, 100, pl. iv, figs. 14, 15.
1923 A, 220, 348.
Pleistocene (Middle); Maryland.

Mylohyus pennsylvanicus (Leidy).

Hay, O. P. 1902 A, 659 (Tayassu).
Allen, G. M. 1926 A, 449.
Baker, F. C. 1920 A, 208, 213, 395.
Gidley, J. W. 1920 A, 674.
Haug, E. 1911 A, 1886.
Hay, O. P. 1923 A, 491.
Holland, W. J. 1908 A, 231 (Tayassu).
1912 B, 750 (Dicotyles).
Osborn, H. F. 1910 B, 471 (Tayassu).
Peterson, O. A. 1926 A, 256, pl. xviii, figs. 1, 2.
Rhoads, S. N. 1903 A, 238.
Schlosser, M. 1902 H, 143.
Trouessart, E. L. 1905 A, 658 (Syn. of Platygonus vetus).
Pleistocene (Middle); Pennsylvania.

Mylohyus? temerarius Hay.

Hay, O. P. 1914 A, 26, 227, pl. xxi, figs. 1, 2.
Baker, F. C. 1920 A, 464.
Hay, O. P. 1920 B, 85.
1924 D, 148, 158, 298.
Pleistocene (Aftonian); Iowa.

Mylohyus sp. indet.

Brown, B. 1908 A, 200, 201, pl. xxiv ("M. sp. b. c."). Pleistocene (Middle); Arkansas. (M. sp. *a*=*M. browni* Gidley).
Gidley, J. W. 1915 C, 12, fig. 13. Pleistocene; Maryland.
1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1914 A, 32, 226, pl. xxvi, figs. 3-5; pl. xxvii, fig. 1. Pleistocene; Arkansas.
1921 A, 621. Pleistocene; Washington.
1923 A, 9. Pleistocene (Nebraskan?); Arizona.
1924 D, 157, 251. Pleistocene; Arkansas.
1927 D, 309. Pleistocene; California, Florida, Nebraska.
Merriam, J. C. 1915 E, 226, fig. 40. Pleistocene? (Etchegoin); California.
1917 A, 425 (This genus?). Pleistocene? (Etchegoin); California.
Sellards, E. H. 1916 C, 149, 158, pl. xxx, fig. 2 ("peccary." This genus?). Pleistocene, Florida

TAYASSU Fischer. Type *T. pecari* Fischer.

Unless otherwise indicated the authors as quoted below, use the generic name *Dicotyles*.
Hay, O. P. 1902 A, 659 (Tayassu).
Abel, O. 1906 A, 58.
1912 F, 237, fig. 168.
Adams, C. C. 1905 A, 54 ("peccary").

Allen, J. A. 1892 A.
1902 A, 164 (Tayassu).
Ameghino, F. 1885 A, 203 (Dicotyle).
1889 A, 1010.
1905 A.
Arldt, T. 1907 D, 259.
Barbour, E. H. 1925 B, 32 (Dicotyles=Tagassu).
Behlen, H. 1906 A, 190.
Boas, J. E. V. 1884 B, 395.
Boule and Thevenin 1920 A, 163.
Bronn, H. G. 1849 A, 705.
Brown, B. 1908 A, 201 (Tayassu).
Burmeister, H. 1879 B, 471.
Cope, E. D. 1895 G, 596 (Dicotyles).
Doran, A. H. G. 1878 A, 423, pl. lxi (Dicotyles).
Elliot, D. G. 1901 A, 33, pl. xi.
Fischer, J. B. 1829 A, 419 (Dicotyles).
Gidley, J. W. 1904 A, 267 (Tayassu).
1920 A, 655 (Tayassu).
Giebel, C. G. 1855 A, 71.
1883 A, pl. xliii.
Gill, T. 1902 B, 38 (Tayassu).
Gregory, W. K. 1920 A, 191, fig. 165.
Hay, O. P. 1912 D, 595, 596 (Tayassu).
1914 A, 212, 213, pl. xix (T. angulatus).
Heilprin, A. 1887 A, 374.
Hensel, R. 1879 A, 535.
Hoever, R. 1911 A, 90.
Kampfen, P. N. 1905 A, 584, fig. 68 (Dicotyles).
Knottnerus-Meyer, T. 1907 A, 6, pl. 1, fig. 1 (Tayassus).
Leche, W. 1887 A.
1912 A, 82.
Leunis and Ludwig 1883 A, 241 (Dicotyles).
Leuthardt, F. 1891 A, 136 (Dicotyles).
Lull, R. S. 1904 C, 7.
Matthew, W. D. 1907 A, 217.
1924 C, 177, 178 (Dicotyles).
Merriam, C. H. 1892 A, 60.
Miller, G. S. 1912 B, 384 (Tayassu).
1924 C, 482.
Osborn, H. F. 1907 G, 197, fig. 99.
1910 B, 472, 549.
1910 D, 466, 470, 488 (Mylohyus).
Owen, R. 1866 A, 458, 470 (Pecari).
1868 A, 877.
Palmer, T. S. 1904 A, 666, 930 (Tayassu); 955 (Tagassu).
Pearson, H. S. 1923 A, 65.
Peterson, O. A. 1912 B, 167 (Tayassu).
Pictet, F. J. 1853 A, 326 (Dicotyles).
Retzius, A. 1849 A, 659.
Schlosser, M. 1902 K, 466, 469, 472.
Schmidt, O. 1886 A, 130, fig. 12 ("peccary").
Scott, W. B. 1913 A, 236, 364 (Tagassu).
Strecker, C. 1887 A, 311 (Dicotyles).
Thomas, O. 1902 A, 153 (Tayassu).
1902 B, 197 (Tayassu).
Thomas and Miller 1905 A, 463 (Tagassu rejected).
Trouessart, E. L. 1905 A, 658 (Tayassus).
Turner, H. N. 1850 B, 105 ("peccary").
Wagner, R. 1843 A.
Wallace, A. R. 1876 A, I, 493 (Dicotyles).
Weber, M. 1904 A, 629, 652, 653, fig. 453.
Weber and Abel 1928 A, 520, 553, fig. 348 (Dicotyles).
Weber and Burlet 1927 A, 78, fig. 190 (Dicotyles).
Williston, S. W. 1902 L, 918.
Wright, R. R. 1883 A, 267 (Dicotyles).
Zittel and Schlosser 1911 A, 473.
1923 A, 561, 682 (Dicotyles).

Tayassu hesperius (Marsh).

Hay, O. P. 1902 A, 659.
Trouessart, R. L. 1905 A, 659 (Tayassus).
"Pliocene"; Oregon.

Tayassu lenis (Leidy).

Hay, O. P. 1902 A, 659 (Tayassu tajacu, in part).
Baker, F. C. 1920 A, 473.
Cope, E. D. 1867 F, 138 ("peccary").
Hay, O. P. 1912 D, 596, pl. iv, fig. 2.
1914 A, 38, 213
1917 E, 45, 48, pl. iii, figs. 2, 3.
1918 C, 346 (Tayassu).
1919 D, 367 (Tagassu).
1923 A, 496 (Tagassu).
1924 B, 261 ("peccary").
1924 D, 159, 287 (Tagassu, Dicotyles).
1927 D, 274.
Holmes, F. S. 1859 A, 184 ("peccary").
1860 A, iv, vi, vii ("peccary").
Loomis, F. B. 1924 C, 506.
Whitney, J. P. 1866 A, 162 ("peccary").
Wisconsin, Iowa, Illinois?, Indiana, Kentucky?, Maryland, South Carolina, Florida.

Tayassu sp. indet.

Hay, O. P. 1902 A, 660.
Cope, E. D. 1867 C, 152 (Cynorca protervus, in part). Miocene (Calvert); Maryland.
1868 I, 185 (Dicotyles, canine).
Freudenberg, W. 1921 A, 139 (Dicotyles), Pleistocene; Mexico.
1922 A, 5 (Dicotyles).
Gidley, J. W. 1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1923 A, 222, 363 (Tagassu). Pleistocene; Maryland, Florida.
1927 D, 274. Pleistocene; Florida.
MacCurdy, G. G. 1917 A, 267 ("peccary"). (This genus?). Pleistocene; Florida.
Merriam, J. C. 1917 A, 425 (This genus?). Pleistocene? (Etchegoin); California.
Sellards, E. H. 1916 E, 16 ("peccary, indet."). Pleistocene; Florida.

Pecari Reichenbach. Type *Sus torquatus* (Cuvier).

Reichenbach, H. G. L. 1835, Bildergallerie der Thierwelt, etc., 2te Aufl., Heft vi, pl. xxi, fig. 2.
Miller, G. S. 1912 B, 383.
1924 C, 481.
Palmer, T. S. 1904 A, 518, 930.

Pecari sp. indet.

Gidley, J. W. 1927 E, 274. Pleistocene; Florida.

THINOTHERIUM Cope. Type *T. annulatum* Cope. Not of March 1872.

Hay, O. P. 1902 A, 661.
Palacký, J. 1903 B, 312.
Palmer, T. S. 1904 A, 674, 926.
Trouessart, E. L. 1905 A, 658.

Thinotherium annulatum Cope.

Hay, O. P. 1902 A, 661.
Clark and Miller 1912 A, 167, 168.
Miocene (Yorktown); Virginia.

Suborder AGRIOCHŒRIFORMES, new name.

Osborn, H. F. 1910 B, 549 (Oreodonta).

Superfamily AGRIOCHŒROIDÆ, new name.

Gill, T. 1872 B, 10 (Oreodontoidea).

AGRIOCHŒRIDÆ Leidy.

Leidy, J. 1869 A, 131.
Hay, O. P. 1902 A, 662.
Abel, O. 1913 B, 729, 741 (Oreodontidæ).
1914 A, 121, 165 (Oreodontidæ).
Arldt, T. 1907 D, 669 (Oreodontidæ).
1912 A, 700, 746.
Dollo, L. 1889 D, 681 (Creodontidæ, error for Oreodontidæ).
Douglass, E. 1901 B, 257 (Oreodontidæ).
Loomis, F. B. 1925 E, 592 ("agriochœrids").
Matthew, W. D. 1908 A, 559, 560.
1909 C, 113, 115, 117, 118.
1924 C, 181.
O'Harra, C. C. 1920 A, 123 (Oreodontidæ).
Osborn, H. F. 1909 D, 63.
Peterson, O. A. 1906 C, 30.
Scott, W. B. 1913 A, 250, 361, 383, 675.
Weber and Abel 1928 A, 609 (Oreodontidæ).
Winge, H. 1906 A, 70 (Oreodontini).
Zittel and Schlosser 1911 A, 482 (Oreodontidæ).
1923 A, 571, 602 (Oreodontidæ).

AGRIOCHŒRINÆ Gill.

Gill, T. 1872 B, 10.
Hay, O. P. 1902 A, 662.
Abel, O. 1913 B, 729, 741.
1914 A, 165.
1919 A, 805.
Arldt, T. 1907 D, 256.
Kampfen, P. N. 1905 A, 593.
Matthew, W. D. 1901 B, 371, 395.
Osborn, H. F. 1893 M, 96 (Artionychia).
Trouessart, E. L. 1905 A, 666.
Weber and Abel 1928 A, 609.
Winge, H. 1906 A, 134 (Agriochœri).
Zittel and Schlosser 1911 A, 482.
1923 A, 571.

PROTAGRICHŒRUS Scott. Type *P. annectens* Scott.

Hay, O. P. 1902 A, 662.
Loomis, F. B. 1924 B, 15.
Matthew, W. D. 1909 C, 103.
1910 H, 474.
Osborn, H. F. 1905 I, 101.
1910 B, 170, 549.
Palmer, T. S. 1904 A, 577, 912.
Peterson, O. A. 1919 A, 86.
Scott, W. B. 1913 A, 383, 385.
Stehlin, H. G. 1908 A, 835.
Thorpe, M. R. 1925 A, 70, 74, 82.
Weber, M. 1904 A, 664.
Weber and Abel 1928 A, 609.
Zittel and Schlosser 1911 A, 482.
1923 A, 571, 669.

Protagrichœrus annectens Scott.

Hay, O. P. 1902 A, 662.
Matthew, W. D. 1909 C, 100.
Peterson, O. A. 1919 A, 76, 86, pl. xl, figs. 19-27.
Trouessart, E. L. 1905 A, 666.
Upper Eocene (Uinta); Utah.

AGRIOCHŒRUS Leidy. Type *A. antiquus* Leidy.

Hay, O. P. 1902 A, 662.
Abel, O. 1914 A, 167.
Beddard, F. E. 1902 A, 211, 331.
Douglass, E. 1905 A, 211.
Flower, W. H. 1873 B, 102.
Gaudry, A. 1891 C, 146.
Giebel, C. G. 1883 A, 133.
Gregory, W. K. 1920 A, 188, fig. 155.
Haug, E. 1911 A, 1528, 1529, 1705.
Heilprin, A. 1887 A, 383.
Kampfen, P. N. 1905 A, 591.
Koken, E. 1901 B, 224 (Artionyx).
Lambe, L. M. 1905 A, 370A.
Lobley, J. L. 1908 A, 213 (Agriochœrus).
Loomis, F. B. 1925 E, 591, figs. 5, 6.
Lucas, F. A. 1901 F, 482.
Lull, R. S. 1917 B, 338.
Major, C. J. F. 1880 A, 33.
Matthew, W. D. 1901 B, 370.
1909 C, 111.
1910 H, 474.
1911 C, 163.
1915 K, 420.
1917 A, 573.
1924 E, 748.
Merriam and Sinclair 1907 A, 193.
Moodie, R. L. 1913 A, 186.
O'Harra, C. C. 1910 A, 109, 145.
Osborn, H. F. 1893 M, 95 (Artionyx).
1905 H, 201.
1909 D, 68.
1910 B, 214, 220, 222, 231, 549.
1912 G, 246.
Palmer, T. S. 1904 A, 84, 911.

Peterson, O. A. 1919 A, 84.
Schlosser, M. 1898 F, 127.
1899 H, 550.
Scott, W. B. 1896 D, 50.
1913 A, 252 (fig. 133), 384, 675.
Sinclair, W. J. 1924 A, 126.
Stehlin, H. G. 1908 A, 835.
Thorpe, M. R. 1921 E, 111.
1923 E, 243.
1924 B, 219.
1925 A, 72, 82.
Trouessart, E. L. 1905 A, 666.
Wallace, A. R. 1876 A, 1, 138.
Weber, M. 1904 A, 664.
Weber and Abel 1928 A, 608, 609.
Winge, H. 1906 A, 132.
Zittel and Schlosser 1911 A, 482.
1923 A, 571, 671, 672.

Agriochœrus antiquus Leidy.

Hay, O. P. 1902 A, 663.
Cook, H. J. 1912 D, 37.
Douglass, E. 1907 A, 822 (This species?).
Gervais, P. 1859 A, 360.
Lambe, L. M. 1905 D, 367A (This species?).
1908 A, 10, 28, pl. ii, figs. 16, 17.
Major, C. J. F. 1880 A, 33.
Matthew, W. D. 1901 B, 369.
1909 C, 106.
O'Harra, C. C. 1920 A, 153, pl. xli.
Scott, W. B. 1913 A, 384, fig. 206.
Sinclair, W. J. 1924 A, 102, 126.
Thorpe, M. R. 1921 E, 112.
1924 B, 219.
Middle Oligocene (Brule); Nebraska, South Dakota.

Agriochœrus antiquus dakotensis Thorpe.

Thorpe, M. R. 1921 E, 112, fig. 1.
Middle Oligocene (Brule); South Dakota.

Agriochœrus auritus Leidy.

Hay, O. P. 1902 A, 663.
Thorpe, M. R. 1921 E, 118.
1924 B, 219.
Upper Oligocene (Protoceras beds); South Dakota.

Agriochœrus bullatus Thorpe.

Thorpe, M. R. 1921 E, 115, figs. 2-4.
Upper Oligocene (Upper John Day); Oregon.

Agriochœrus ferox (Cope).

Hay, O. P. 1902 A, 663.
Cope and Matthew 1915 A, pl. cxiii (Coloreodon; Agriochœrus).
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 187, 191, 192.
Thorpe, M. R. 1921 E, 117.
Upper Oligocene (John Day); Oregon.

Agriochœrus gaudryi (Osborn and Wortman).

Hay, O. P. 1902 A, 663.
Cook, H. J. 1912 D, 39.
Matthew, W. D. 1909 C, 109.
O'Harra, C. C. 1920 A, 154.
Upper Oligocene (Brule); South Dakota.

Agriochœrus guyotianus Cope.

Hay, O. P. 1902 A, 663.
Cope and Matthew 1915 A, pl. cxii; pl. cxiii, figs. 1, 2 (A. guiotianus; A. guyotianus).
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 187, 188, 190.
Peterson, O. A. 1928 B, 142.
Thorpe, M. R. 1921 E, 118.
Upper Oligocene (John Day); Oregon.

Agriochœrus latifrons Leidy.

Hay, O. P. 1902 A, 663.
Beddard, F. E. 1902 A, 332, fig. 178.
Cook, H. J. 1912 D, 37.
Giebel, C. G. 1883 A, pl. xliv.
Loomis, F. B. 1924 B, 3, figs. 2, 3.
Matthew, W. D. 1909 C, 106.
O'Harra, C. C. 1910 A, 110, fig. 16.
1920 A, 124, 152, fig. 62.
Peterson, O. A. 1914 E, 183.
1928 B, 150, 158.
Scott, W. B. 1913 A, 383 (fig. 205), 385 (fig. 207).
Sinclair, W. J. 1924 A, 126.
Thorpe, M. R. 1921 E, 117.
Weber and Abel 1928 A, 609, fig. 402.
Zittel and Schlosser 1911 A, 482, fig. 672.
1923 A, 571, fig. 713.
Middle Oligocene (Brule); South Dakota.

Agriochœrus macrocephalus (Cope).

Hay, O. P. 1902 A, 663.
Cope and Matthew 1915 A, pl. cxiii, figs. 3, 4 (Coloreodon, Agriochœrus).
Matthew, W. D. 1909 C, 109.
Thorpe, M. R. 1921 E, 117.
Upper Oligocene (John Day); Oregon.

Agriochœrus major Leidy.

Hay, O. P. 1902 A, 664.
Abel, O. 1914 A, 167, fig. 121.
Cook, H. J. 1912 D, 39.
Matthew, W. D. 1909 C, 109.
O'Harra, C. C. 1920 A, 154.
Thorpe, M. R. 1924 B, 219.
Weber, M. 1904 A, 663, fig. 477.
Weber and Abel 1928 A, 609, fig. 403.
Upper Oligocene (Brule); South Dakota, Nebraska, Wyoming.

Agriochœrus maximus Douglass.

Douglass, E. 1901 B, 242, 267, pl. ix, fig. 4.
1903 A, 150.
1907 A, 822 (This genus?).
Matthew, W. D. 1909 C, 104.
Thorpe, M. R. 1921 E, 118.
Trouessart, E. L. 1905 A, 666.
Lower Oligocene (Pipestone Creek); Montana.

Agriochœrus migrans (Marsh).

Hay, O. P. 1902 A, 664.
Cook, H. J. 1912 D, 39.
Matthew, W. D. 1909 C, 109.

O'Harra, C. C. 1920 A, 154.
Thorpe, M. R. 1921 E, 114.
Upper Oligocene (Brule); South Dakota or Nebraska.

Agriochœrus minimus Douglass.

Douglass, E. 1901 B, 242, 268.
1903 A, 149.
1907 A, 822.
Matthew, W. D. 1909 C, 104.
Thorpe, M. R. 1921 E, 118.
Lower Oligocene (Pipestone Creek); Montana.

Agriochœrus ryderanus Cope.

Hay, O. P. 1902 A, 664.
Cope and Matthew 1915 A, pl. cxi, fig. 4 (Coloreodon, Agriochœrus).
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 187.
Thorpe, M. R. 1921 E, 117.
Upper Oligocene (John Day); Oregon.

Agriochœrus trifrons Cope.

Hay, O. P. 1902 A, 664.
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 187.
Thorpe, M. R. 1921 E, 117.
Upper Oligocene (John Day); Oregon.

Agriochœrus sp. indet.

Cook, H. J. 1912 D, 35. Lower Oligocene (Chadron); South Dakota or Nebraska.
Matthew, W. D. 1909 C, 104. Lower Oligocene (Chadron); South Dakota or Nebraska.
Merriam and Sinclair 1907 A, 188, 190. Upper Oligocene (John Day); Oregon.

PROTOREODONTINÆ Scott.

Scott, W. B. 1890 B, 320, 361.
Hay, O. P. 1902 A, 664.
Kampfen, P. N. 1905 A, 593.
Matthew, W. D. 1901 B, 395.
Palacký, J. 1903 B, 306, 307 ("protoreodontiden").
Palmer, T. S. 1904 A, 766, 911 (Protoredontidæ, Protoreodontinæ).
Scott, W. B. 1890 A, 503 (Protoreodontidæ).
Trouessart, E. L. 1905 A, 666.

PROTOREODON Scott and Osborn. Type *P. parvus* Scott and Osborn.

Hay, O. P. 1902 A, 664 (Protoreodon, Eomeryx).
Beddard, F. E. 1902 A, 332.
Haug, E. 1911 A, 1528.
Kampfen, P. N. 1905 A, 591.
Loomis, F. B. 1924 B, 15 (Oreodontoides, Eomeryx).
Matthew, W. D. 1909 C, 103.
1910 H, 474.
1924 E, 748.
Osborn, H. F. 1905 I, 101.
1910 B, 170, 549.
Palmer, T. S. 1904 A, 584, 912 (Protoreodon); 363, 911 (Eomeryx).
Peterson, O. A. 1919 A, 86.
Schlosser, M. 1899 H, 550.
1901 D, 462.
1903 A, 290 (Eomeryx); 291 (Protoreodon).
1904 C, 95.
Scott, W. B. 1913 A, 267, 380.
Stehlin, H. G. 1908 A, 835.
Thorpe, M. R. 1925 A, 70.
Trouessart, E. L. 1905 A, 666.
Weber, M. 1904 A, 663, 664.
Weber and Abel 1928 A, 609.
Winge, H. 1906 A, 132.
Woodward, A. S. 1898 D, 330.
Zittel and Schlosser 1911 A, 482.
1923 A, 572, 669 (Protoreodon, Eomeryx).

Protoreodon medius Peterson.

Peterson, O. A. 1919 A, 82, pl. xl, figs. 1-16; text-fig. 13.
Loomis, F. B. 1924 B, 6, fig. 4.
Upper Eocene (Uinta); Utah.

Protoreodon minor Scott.

Hay, O. P. 1902 A, 664.
Matthew, W. D. 1909 C, 100.
Trouessart, E. L. 1905 A, 666.
Upper Eocene (Uinta); Utah.

Protoreodon paradoxicus Scott.

Hay, O. P. 1902 A, 664.
Matthew, W. D. 1909 C, 100.
Trouessart, E. L. 1905 A, 666.
Upper Eocene (Uinta); Utah.

Protoreodon parvus Scott and Osborn.

Hay, O. P. 1902 A, 664.
Granger, W. 1910 A, 240 (This species?).
Matthew, W. D. 1909 C, 100.
Scott, W. B. 1913 A, 380, fig. 203.
Trouessart, E. L. 1905 A, 666.
Upper Eocene (Uinta); Utah.

Protoreodon pumilis (Marsh).

Hay, O. P. 1902 A, 665 (Eomeryx).
Matthew, W. D. 1909 C, 100.
Trouessart, E. L. 1905 A, 666.
Upper Eocene (Uinta); Utah.

Protoreodon sp. indet.

Hay, O. P. 1902 A, 664. Upper Eocene (Uinta); Utah.

HYOMERYX Marsh. Type *H. breviceps* Marsh.

Hay, O. P. 1902 A, 665.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 103.
Palmer, T. S. 1904 A, 338, 911.
Stehlin, H. G. 1908 A, 835.
Weber and Abel 1928 A, 609.

Zittel and Schlosser 1911 A, 482 (Syn. of Protoreodon).
1923 A, 572 (Syn. of Protoreodon).

Hyomeryx breviceps Marsh.

Hay, O. P. 1902 A, 665.
Matthew, W. D. 1909 C, 100.
Upper Eocene (Uinta); Utah.

MERYCOIDODONTINÆ.

Unless otherwise indicated the authors quoted employ the name Oreodontidæ.
Hay, O. P. 1902 A, 665 (Merycoidodontinæ).
Abel, O. 1913 B, 729, 742 (Oreodontinæ).
1914 A, 165 (Oreodontinæ).
1919 A, 805 (Oreodontinæ, Oreodontidæ).
1920 A, 436 ("oreodontiden").
Ameghino, F. 1889 A, 1020.
Arldt, T. 1907 D, 256 (Oreodontinæ).
Beddard, F. E. 1902 A, 330.
Behlen, H. 1907 A, 278 ("oreodontiden").
Case, E. C. 1899 B, 172.
Cope, E. D. 1880 U, 152 ("oréodontides").
Flower, W. H. 1873 B, 102.
Giebel, C. G. 1883 A, 132 ("oreodontiden").
Gregory, W. K. 1920 A, 188.
Hoernes, R. 1886 A, 674.
Howes, G. B. 1902 A, 523.
Kampfen, P. N. 1905 A, 591 (Oreodontinæ).
Koken, E. 1893 B, 481 ("oreodontiden").
Loomis, F. B. 1920 A, 281, 286 (Oreodontidæ, Oreodontinæ).
1924 A, 369 (Oreodontidæ).
1924 B, 1, 5, 14 (Oreodontidæ).
1925 E, 585, 594 ("oreodonts").
McClung, C. E. 1906 A, 70 ("oreodons").
Matthew, W. D. 1901 B, 371, 395 (Oreodontinæ).
1910 H, 475 ("oreodons").
1911 C, 163 ("oreodonts").
1915 A, 254 ("oreodonts").
1915 K, 459 ("oreodonts").
Matthew, W. D. 1924 E, 745.
1928 B, 968, 981, fig. 16 ("oreodonts").
Matthew and Cook 1909 A, 391 (Oreodontinæ).
Merriam, J. C. 1901 B, 589 ("oreodons").
O'Harra, C. C. 1910 A, 108.
Osborn, H. F. 1905 H, 219.
1905 I, 101.
1909 D, 57, 132.
1910 B, 625.
Palacký, J. 1903 B, 306, 310 ("oreodontiden").
Peterson, O. A. 1928 B, 166 ("oreodonts").
Schlosser, M. 1902 J, 257 ("oreodontiden").
1904 C, 95 ("oreodontiden").
1911 A, 165 ("oreodontiden").
Schwarz, E. 1924 A, 420 ("oreodonts").
Scott, W. B. 1913 A, 361, 372.
Stehlen, H. G. 1908 A, 835 ("oreodontiden").
1910 A, 1088 ("oreodontiden").
Thorpe, M. R. 1921 D, 94.
1923 E, 239 (Merycoidodontidæ).
1925 A, 69 ("oreodonts").
Trouessart, E. L. 1905 A, 667.
Weber, M. 1904 A, 662.
Weber and Abel 1928 A, 426, 608, 609.
Winge, H. 1906 A, 70, 134 (Oreodontes).
Woodward, A. S. 1898 B, 354.
1923 C, 39.
Zittel, K. A. 1897 A, 126 ("oreodontiden").
Zittel and Schlosser 1911 A, 482 (Oreodontidæ, Oreodontinæ).
1923 A, 572, 669, 670 (Oreodontinæ).

BATHYGENYS Douglass. Type *B. alpha* Douglass.

Douglass, E. 1901 B, 256.
Loomis, F. B. 1924 B, 15.
Matthew, W. D. 1909 C, 111.
1910 H, 474.
1915 K, 420.
Zittel and Schlosser 1911 A, 482.
1923 A, 572.

Bathygenys alpha Douglass.

Douglass, E. 1901 B, 258, pl. ix, figs. 7, 8.
1907 A, 822.
Matthew, W. D. 1903 B, 220, fig. 14.
1909 C, 104.
Trouessart, E. L. 1905 A, 669.
Lower Oligocene (Pipestone Creek); Montana.

MERYCOIDODON Leidy. Type *M. culbertsonii* Leidy.

Hay, O. P. 1902 A, 665.
Abel, O. 1926 B, 453 (Oreodon).
Beddard, F. E. 1902 A, 330 (Oreodon).
Black, D. 1920 A, 271-314, figs. 1-48 (Oreodon).
Dall and Harris 1892 A, 289 (Oreodon).
Douglass, E. 1906 A, 565.
1907 B, 86.
1909 C, 231.
Fairchild, H. L. 1894 A, 208 (Oreodon).
Frech, F. 1906 A, 492 (Oreodon).
Gaudry, A. 1891 C, 146 (Oreodon).
1896 A, 87, 183, figs. 61, 177 (Oreodon).
Giebel, C. G. 1883 A, 132 (Oreodon).
Gregory, W. K. 1912 F, 286 (Oreodon).
1920 A, 188, fig. 156 (Oreodon).
Grinnell, G. B. 1923 A, 334 (Oreodon).
Haug, E. 1911 A, 1528, 1705 (Oreodon).
Hayden, F. V. 1871 A, 105 ("ruminants").
Heilprin, A. 1887 A, 382 (Oreodon).
Hoernes, R. 1886 A, 674 (Oreodon).
Kampfen, P. N. 1905 A, 591 (Oreodon).
Kingsley, J. S. 1925 A, 213, fig. 227 (Oreodon).
Loomis, F. B. 1924 A, 369.
1924 B, 7, 14, 15.
1925 A, 244.
1925 B, 226 ("oreodons").
1925 E, 589, figs. 3, 4, 6.
1926 A, 103.
1928 A, 142.
Matthew, W. D. 1901 B, 369, 395 (Oreodon).
1903 B, 221 (Oreodon).
1910 H, 474 (Oreodon).
1915 K, 420 (Oreodon).
1917 A, 573 (Oreodon).

Matthew, W. D. 1924 E, 748 (Oreodon).
1928 B, 964 (Oreodon).
Merriam, J. C. 1915 F, 259 ("oreodon").
O'Harra, C. C. 1920 A, 124 (Oreodon).
Osborn, H. F. 1909 D, 23, 67 (Oreodon).
1910 B, 218 (Merycoidodon); 625, fig. 104 (Oreodon).
Palmer, T. S. 1904 A, 412, 912.
Peterson, O. A. 1914 E, 181.
1919 A, 84, 87.
1923 C, 98.
1928 B.
Rogers, A. F. 1924 A, 545 (Oreodon).
Schlosser, M. 1899 H, 547 (Oreodon).
1901 A, 492 (Oreodon).
1901 D, 462 (Oreodon).
1903 A, 290 (Oreodon).
1904 C, 96 (Oreodon).
Schuchert and Levene 1927 A, 335, fig.
Scott, W. B. 1913 A, 252, 258, 379, fig. 133.
Seeley, H. G. 1878 A, 223 (Oreodon).
Sinclair, W. J. 1921 A, 458, 462 (Oreodon).
1924 A, 127 (Oreodon).
Stehlin, H. G. 1908 A, 835 (Oreodon).
Steinmann, G. 1907 A, 496 (Oreodon).
Thorpe, M. R. 1921 A, 223 (Oreodon).
1921 G, 334.
1923 C, 226.
1923 E, 239.
1924 A, 318.
1924 D, 122 (Oreodon, Merycoidodon).
1925 A, 71, 81, 82.
Trouessart, E. L. 1905 A, 667.
Weber, M. 1904 A, 663 (Oreodon).
Weber and Abel 1928 A, 609.
Williston, S. W. 1902 L, 918 (Oreodon).
Winge, H. 1906 A, 132 (Oreodon).
Zittel and Schlosser 1911 A, 483 (Oreodon).
1923 A, 558, 572, fig. 691 (Oreodon).

Merycoidodon affinis (Leidy).

Hay, O. P. 1902 A, 665.
Cook, H. J. 1912 D, 35.
Matthew, W. D. 1909 C, 104 (Oreodon).
O'Harra, C. C. 1920 A, 150 (Oreodon).
Thorpe, M. R. 1921 G, 339, 341.
Oligocene (Chadron); Nebraska, Colorado.

Merycoidodon culbertsonii Leidy.

Hay, O. P. 1902 A, 666.
Abel, O. 1926 B, 321, 344, figs. 214, 228 (Oreodon).
Barbour and Cook 1917 A, 165, 171, figs. 4, 6 (Oreodon, Merycoidodon).
Black, D. 1920 A, 272 (Oreodon).
Cook, H. J. 1912 D, 37 (M. culbertsoni).
Darton, N. H. 1901 A, 543 (Oreodon culbertsoni).
1905 A, 45, 173 (Oreodon).
Darton and Siebenthal 1910 A, 11 (M. culbertsoni).
Douglass, E. 1901 B, 253 (Oreodon culbertsoni?).
1907 A, 822 (This species?).
1909 C, 283.
Gervais, P. 1859 A, 360 (Oreodon).
Giebel, C. G. 1883 A, pl. xliv (Oreodon).
Gregory, W. K. 1920 A, 188, fig. 156 (Oreodon).
Hoernes, R. 1886 A, 675, fig. 649 (Oreodon culbertsoni).
Kampfen, P. N. 1905 A, 592 (Oreodon).
Lambe, L. M. 1905 D, 367 A (Oreodon).
1908 A, 10, 29, pl. ii, figs. 18-26.
Loomis, F. B. 1924 B, 2, figs. 1-4.
1925 E, 586, figs. 1, 3.
Matthew, W. D. 1901 B, 358 (Oreodon).
1909 C, 106 (O. culbertsonii, O. perculorum).
1910 H, 474 (Oreodon).
Merrill, G. P. 1907 A, 50 (Oreodon).
Moodie, R. L. 1915 I, 174, fig. 14.
1922 C, 365 (Oreodon).
O'Harra, C. C. 1910 A, 109, 111, pl. xliii, fig. 2 (Oreodon).
1920 A, 128, pls. xii, xxiv, xl (Oreodon culbertsoni).
Osborn, H. F. 1904 F, 12, 34 (Oreodon).
1910 B, 218, fig. 106.
Peterson, O. A. 1914 E, 167.
1923 C, 102.
1928 B, 133, 134.
Scott, W. B. 1913 A, 259, 378, 382, figs. 136, 202, 204.
Sinclair, W. J. 1924 A, 101, 102, 127 (Oreodon).
Stromer, E. 1912 A, 199, fig. 182 (M. culbertsoni).
Thorpe, M. R. 1921 G, 334, 335, 341.
1923 C, 225, fig. 1.
1923 D, 91, 98, figs. 5, 6.
Trouessart, E. L. 1905 A, 667.
Weber, M. 1904 A, 663, fig. 476 (Oreodon).
Weber and Abel 1928 A, 612, fig. 408.
Zittel and Schlosser 1911 A, 483, figs. 673, 674.
1923 A, 572, figs. 714, 715 (Oreodon).
Middle Oligocene (Brule), Montana, Colorado, Nebraska, South Dakota, Wyoming.

Merycoidodon culbertsonii periculorum (Cope).

Cope, E. D. 1884 M, 511, 513 (Oreodon).
Hay, O. P. 1902 A, 666 (M. culbertsonii, part).
Sinclair, W. J. 1924 A, 101, 102, 128 (Oreodon).
Thorpe, M. R. 1921 F, 337, 341.
Wanless, H. R. 1923 A, 220, pl. iii, fig. 1 (Oreodon).
Oligocene (Middle); Colorado, Nebraska, Wyoming.

Merycoidodon gracilis Leidy.

Hay, O. P. 1902 A, 666.
Abel, O. 1919 A, 806 (Oreodon).
Cook, H. J. 1912 D, 37.
Darton, N. H. 1905 A, 173 (Oreodon).
Douglass, E. 1901 B, 260 (Oreodon).
Gervais, P. 1859 A, 360 (Oreodon).
Gilmore, C. W. 1906 C, 513, pl. xii.
Matthew, W. D. 1901 B, 358 (Oreodon).
1909 C, 106 (Oreodon coloradensis, O. gracilis).
Merrill, G. P. 1907 A, 50 (Oreodon).
Moodie, R. L. 1922 C, 365 (Oreodon).
O'Harra, C. C. 1910 A, 109, 111, pl. xliii (Oreodon).
1920 A, 128, 153 (Oreodon); pls. xxi, xxxix (Merycoidodon).

Peterson, O. A. 1914 E, 204.
Sinclair, W. J. 1924 A, 102, 128 (Oreodon).
Thorpe, M. R. 1921 G, 338, 341.
1923 D, 91, figs. 1, 2.
1925 A, pls. vi, vii.
Oligocene (Lower Brule); Colorado, Wyoming, South Dakota, Nebraska.

Merycoidodon hybridus (Leidy).

Hay, O. P. 1902 A, 666.
Cook, H. J. 1912 D, 35.
Matthew, W. D. 1909 C, 104 (Oreodon).
O'Harra, C. C. 1920 A, 150 (Oreodon).
Thorpe, M. R. 1924 B, 221 (Eporeodon).
Lower Oligocene (Chadron); South Dakota, Nebraska?. Upper Oligocene: Colorado.

Merycoidodon macrorhinus Douglass.

Douglass, E. 1903 A, 149, 163, fig. 8 (Oreodon).
1901 B, 243, 253, 264 (Oreodon robustum, preoccupied).
1907 A, 822.
Matthew, W. D. 1909 C, 106 (Oreodon).
Thorpe, M. R. 1921 G, 338, 341.
Middle Oligocene (White River); Montana.

Merycoidodon minor Cope.

Hay, O. P. 1902 A, 666.
A nomen nudum.

Merycoidodon platycephalus Thorpe.

Thorpe, M. R. 1921 F, 339, 341, figs. 1, 2.
Middle Oligocene (Brule); Nebraska.

Merycoidodon sp. indet.

Matthew, W. D. 1901 B, 369 (Oreodon). Oligocene (White River); Nebraska.
Wanless, H. R. 1923 A, 220 (Oreodon).

PAROREODON Thorpe. Type *P. marshi* Thorpe.

Thorpe, M. R. 1921 D, 109.
Loomis, F. B. 1924 B, 14, 15.
Thorpe, M. R. 1923 E, 241.

Paroreodon marshi Thorpe.

Thorpe, M. R. 1921 D, 109, figs. 14-16.
Loomis, F. B. 1924 B, 30.
Upper Oligocene (Middle John Day); Oregon.

EUCROTAPHUS Leidy. Type *E. jacksoni* Leidy.

Hay, O. P. 1902 A, 666.
Douglass, E. 1906 A, 566.
Loomis, F. B. 1924 A, 369.
Matthew, W. D. 1910 H, 474.
Thorpe, M. R. 1924 B, 219.
1924 D, 124.
Trouessart, E. L. 1905 A, 668.
Weber and Abel 1928 A, 609.
Zittel and Schlosser 1911 A, 483 (Syn. of Eporeodon).
1923 A, 572 (Syn. of Eporeodon).

Eucrotaphus dickinsonensis Douglass.

Douglass, E. 1907 C, 99, pl. xxii.
Loomis, F. B. 1924 B, 8, fig. 5 (Eporeodon).
Thorpe, M. R. 1924 B, 222 (Eporeodon).
Oligocene (Oreodon); North Dakota.

Eucrotaphus helenæ Douglass.

Douglass, E. 1901 B, 243, 253, 265.
1903 A, 149.
1907 A, 822.

Thorpe, M. R. 1924 B, 221 (Eporeodon).
Trouessart, E. L. 1905 A, 668.
Oligocene (White River); Montana.

Eucrotaphus jacksoni Leidy.

Hay, O. P. 1902 A, 666.
Cook, H. J. 1912 D, 39 (Eucrotophus).
Gervais, P. 1859 A, 360 (E. jaksoni).
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 187 (E. occidentalis, in part).
Thorpe, M. R. 1924 B, 219.
Trouessart, E. L. 1905 A, 668.
Oligocene (Upper): (Brule); Nebraska.

Eucrotaphus montanus Douglass.

Douglass, E. 1907 C, 100, pl. xxiii.
1907 A, 822.
Loomis, F. B. 1924 B, 37 (Eporeodon).
Thorpe, M. R. 1924 B, 222 (Eporeodon).
Miocene (Lower) or Oligocene (Upper); Montana.

OREODONTOIDES Thorpe. Type *O. oregonensis* Thorpe.

Thorpe, M. R. 1921 D, 107.
1923 E, 241.
1924 A, 316.

Oreodontoides oregonensis Thorpe.

Thorpe, M. R. 1921 D, 107, figs. 9, 10.
Loomis, F. B. 1924 B, 14, 30, 31.
Thorpe, M. R. 1924 A, 316, figs. 1-3.
Upper Oligocene (Upper John Day); Oregon.

EPOREODON Marsh. Type *Oreodon occidentalis* Marsh.

Hay, O. P. 1902 A, 667.
Condon, T. 1902 A, 114, pls. viii-x, xii ("oreodons").
Condon, T. 1910 A, 96, pls. viii-x, xii ("oreodons").
Douglass, E. 1901 B, 266.

Douglass, E. 1906 A, 566.
Gregory, W. K. 1920 A, 189, fig. 158.
Haug, E. 1911 A, 1529, 1705.
Loomis, F. B. 1924 B, 9, 15, 36.
Matthew, W. D. 1901 B, 370, 373, 396, 398.
1901, in Merriam, J. C. 1901 A, 296.
1907 A, 172, 176.
1909 C, 111, 119.
1910 H, 474.
1924 E, 748.
Merriam, J. C. 1901 A, 297 (Paracotylops).
1915 E, 233.
Osborn, H. F. 1909 D, 64, 125.
1910 B, 220, 231, 549.
1912 G, 246.
Palmer, T. S. 1904 A, 268, 911.
Peterson, O. A. 1928 B, 141.
Rogers, A. F. 1924 A, 545.
Scott, W. B. 1913 A, 375, 379.
Sinclair, W. J. 1924 A, 127.
Sternberg, C. 1881 A, 541 ("Oreodon").
1884 B, 676 ("Oreodon").
Thorpe, M. R. 1921 D, 93.
1923 E, 241 (Oreodontoides).
1924 B, 220.
1924 D, 126.
1925 A, 72, 82.
Trouessart, E. L. 1905 A, 668.
Wallace, A. R. 1876 A, 1, 138.
Weber, M. 1904 A, 623.
Weber and Abel 1928 A, 610.
Winge, H. 1906 A, 133.
Zittel and Schlosser 1911 A, 483.
1923 A, 572, 672.

Eporeodon bullatus (Leidy).

Hay, O. P. 1902 A, 665 (Merycoidodon).
Cook, H. J. 1912 D, 37 (Merycoidodon. This species?).
Kampfen, P. N. 1905 A, 592 (Oreodon).
Matthew, W. D. 1909 C, 104, 106 (Oreodon. This species?).
1910 H, 474 (Oreodon).
O'Harra, C. C. 1920 A, 150 (Oreodon).
Peterson, O. A. 1928 B, 165 (Merycoidodon).
Sinclair, W. J. 1924 A, 102, 127.
Stromer, E. 1912 A, 199, fig. 183 (Merycoidodon bullatum).
Thorpe, M. R. 1921 D, 104.
1924 B, 220.
Trouessart, E. L. 1905 A, 667 (Merycoidodon).
Wanless, H. R. 1923 A, 224 (Oreodon).
Oligocene (Chadron and Lower Brule); Nebraska.

Eporeodon cedrensis Matthew.

Matthew, W. D. 1901 B, 396 (E. major cedrensis).
1909 C, 109.
Thorpe, M. R. 1924 B, 224 (E. major cedrensis).
Trouessart, E. L. 1905 A, 668.
Upper Oligocene (Brule); Colorado.

Eporeodon condoni Thorpe.

Thorpe, M. R. 1921 C, 104, figs. 6-8.
Upper Oligocene (Middle John Day); Oregon.

Eporeodon leptacanthus (Cope).

Cope, E. D. 1884 M, 519 (Eucrotaphus jacksoni leptacanthus).
Hay, O. P. 1902 A, 666 (Eucrotaphus jacksoni, in part).
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 187, 189, 190 (E. occidentalis leptacanthus).
Thorpe, M. R. 1921 D, 95, 97.
Trouessart, E. L. 1905 A, 668 (E. occidentalis leptacanthus).
Oligocene (Upper); Oregon.

Eporeodon longifrons (Cope).

Hay, O. P. 1902 A, 667.
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 187, 191, 192 (E. major longifrons).
Thorpe, M. R. 1921 D, 103.
Trouessart, E. L. 1905 A, 668.
Oligocene (Upper); Oregon.

Eporeodon major (Leidy).

Hay, O. P. 1902 A, 667 (Eporeodon?).
Cook, H. J. 1912 D, 39 (This genus?).
Giebel, C. G. 1883 A, pl. xliv (Oreodon).
Kampfen, P. N. 1905 A, 592.
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 187 (E. occidentalis, in part).
O'Harra, C. C. 1910 A, 109, pl. xliv.
1920 A, 154, pl. xxii.
Sinclair, W. J. 1924 A, 127.
Thorpe, M. R. 1921 D, 103.
1924 B, 223 (E. major major).
1924 D, 129 (Eucrotaphus).
Trouessart, E. L. 1905 A, 668.
Wanless, H. R. 1923 A, 231.
Upper Oligocene (Brule); North Dakota, Nebraska.

Eporeodon occidentalis Marsh.

Hay, O. P. 1902 A, 667.
Loomis, F. B. 1924 B, 37.
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 187, 188, 190.
Thorpe, M. R. 1921 D, 95, 96, figs. 1-3.
Trouessart, E. L. 1905 A, 668.
Middle Oligocene (John Day); Oregon.

Eporeodon pacificus (Cope).

Hay, O. P. 1902 A, 667.
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 187, 188, 190 (E. occidentalis pacificus).
Thorpe, M. R. 1921 D, 95, 98 (Subsp. of E. leptacanthus).
Trouessart, E. L. 1905 A, 668 (E. occidentalis pacificus).
Middle Oligocene (John Day); Oregon.

Eporeodon perbullatus Thorpe.

Thorpe, M. R. 1921 D, 106, figs. 9, 10.
Upper Oligocene (Upper John Day); Oregon.

Eporeodon relictus Loomis.

Loomis, F. B. 1924 B, 36, fig. 26.
Miocene (Lower Rosebud); South Dakota.

Eporeodon socialis Marsh.

Hay, O. P. 1902 A, 667.
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 187.
Peterson, O. A. 1928 B, 164.
Thorpe, M. R. 1921 F, 309, pl. i, text-figs. 2-4.
1923 D, 99.
1924 B, 224.
Trouessart, E. L. 1905 A, 668.
Upper Oligocene (Upper Brule); Nebraska.

Eporeodon trigonocephalus (Cope).

Hay, O. P. 1902 A, 667.
Matthew, W. D. 1909 C, 109.
Merriam and Sinclair 1907 A, 187, 191, 192.
Peterson, O. A. 1928 B, 164.
Thorpe, M. R. 1921 D, 95, 101.
Upper Oligocene (John Day); Oregon.

Eporeodon trigonocephalus parvus Thorpe.

Thorpe, M. R. 1921 D, 101, figs. 4, 5.
Upper Oligocene (Upper John Day); Oregon.

Eporeodon sp. indet.

Matthew, W. D. 1909 C, 109, 113. Miocene (Lower); South Dakota.
Merriam, J. C. 1901 B, 587, fig. 6 ("Oreodon").
Merriam and Sinclair 1907 A, 192. Miocene (John Day); Oregon.

MESOREODON Scott. Type *M. chelonyx* Scott.

Hay, O. P. 1902 A, 667.
Beddard, F. E. 1902 A, 330.
Douglass, E. 1906 A, 566.
Haug, E. 1911 A, 1705.
Howes, G. B. 1902 A, 523.
Kampfen, P. N. 1905 A, 591.
Loomis, F. B. 1924 B, 9, 15.
1925 A, 248.
Matthew, W. D. 1901 B, 395.
1907 A, 172, 176.
1909 C, 119.
1910 H, 474.
Osborn, H. F. 1909 D, 72, 73, 75.
1910 B, 233, 550.
1912 G, 247, 249.
O'Harra, C. C. 1910 A, 109, 132.
Palmer, T. S. 1904 A, 415, 912.
Peterson, O. A. 1906 C, 24.
1928 B, 141.
Scott, W. B. 1913 A, 372, 378.
Thorpe, M. R. 1925 A, 75.
Trouessart, E. L. 1905 A, 668.
Weber, M. 1904 A, 663.
Weber and Abel 1928 A, 610.
Zittel and Schlosser 1911 A, 483.
1923 A, 572, 670, 673, 679.

Mesoreodon chelonyx Scott.

Hay, O. P. 1902 A, 667.
Douglass, E. 1903 A, 151.
1907 C, 102.
Loomis, F. B. 1924 B, 9.
Matthew, W. D. 1909 C, 113.
Lower Miocene (Harrison); Montana.

Mesoreodon intermedius Scott.

Hay, O. P. 1902 A, 667.
Douglass, E. 1903 A, 151.
Matthew, W. D. 1909 C, 113.
Lower Miocene (Harrison); Montana.

Mesoreodon megalodon Peterson.

Peterson, O. A. 1906 C, 24, figs. 2, 3.
Cook, H. J. 1912 D, 40.
Loomis, F. B. 1924 B, 8, 9, fig. 5.
Matthew, W. D. 1909 C, 113.
O'Harra, C. C. 1920 A, 157.
Lower Miocene (Harrison); Nebraska, S. Dakota.

PROMERYCHOCHŒRUS Douglass. Type *P. superbus* Douglass.

Douglass, E. 1901 A, 82.
1906 A, 566.
Gregory, W. K. 1920 A, 189, fig. 159.
Haug, E. 1911 A, 1705.
Holland, W. J. 1914 A, 197.
Loomis, F. B. 1924 B, 9, 10, 15.
1925 A, 248.
Matthew, W. D. 1901 B, 374, 395, 396, 398.
1903 B, 221.
1907 A, 169, 172, 176.
1909 C, 111, 119.
1910, in Merriam 1901 A, 296 (Paracotylops, type *Oreodon superbus* Leidy).
1910 H, 475.
1924 E, 748, 751.
Merriam, J. C. 1915 E, 233.
Merriam and Sinclair 1903 A, 95.
1907 A, 192.
Moodie, R. L. 1916 E, 139.
O'Harra, C. C. 1910 A, 109, 132.
1920 A, 126.
Ortmann, A. E. 1909 A, 22.
Osborn, H. F. 1907 F, 872.
1909 D, 23, 134.
1910 B, 628, fig. 120.
1912 G, 245, 249.
Palmer, T. S. 1904 A, 572, 912 (Promerycochœrus); 511, 912 (Paracotylops).
Peterson, O. A. 1914 E, 149.
1923 C, 98.
Scott, W. B. 1913 A, 235, 250, 267, 375.
Sinclair, W. J. 1901 A, 703 (Paracotylops a syn.).
Smith and Packard 1919 A, 96.
Thorpe, M. R. 1920 A, 207.
1921 A, 215.
1921 D, 93.
1923 E, 242, 244.
1924 D, 125, 128.
1925 A, 72.
Trouessart, E. L. 1905 A, 669.
Weber and Abel 1928 A, 610.
Zittel and Schlosser 1911 A, 483.
1923 A, 572, 672, 673.

Promerychochœrus carrikeri Peterson.

Peterson, O. A. 1906 C, 24, 26, pls. ix, x.
Barbour and Cook 1917 A, 171, fig. 8.
Cook, H. J. 1912 D, 40.
Loomis, F. B. 1923 A, 223.
Matthew, W. D. 1909 C, 113.
O'Harra, C. C. 1910 A, 110, pl. xlviii.
1920 A, 70, 126, 157, figs. 20, 63.
Ortmann, A. E. 1909 A, 22, fig.
Osborn, H. F. 1909 D, 72.
1912 G, 247.
Peterson, O. A. 1914 E, 150, 156, pls. xxxiii-xxxix; text-figs. 1-32.
1928 B, 144.
Schuchert, C. 1915 A, 933, fig. 506.
Scott, W. B. 1913 A, 376, fig. 199.
Lower Miocene (Monroe Creek); Nebraska.

Promerycochœrus chelydra (Cope).

Hay, O. P. 1902 A, 668 (Merycochœrus).
Douglass, E. 1901 A, 82.
Loomis, F. B. 1924 B, 23.
Matthew, W. D. 1901 B, 398.
1909 C, 109.
Merriam and Sinclair 1907 A, 187, 191, 192.
Peterson, O. A. 1914 E, 150, pl. xli; pl. xlii, fig. 1.
Thorpe, M. R. 1921 A, 220, 225.
Upper Oligocene (John Day); Oregon.

Promerycochœrus curvidens (Thorpe).

Thorpe, M. R. 1921 A, 241, fig. 6 (Desmatochœrus, subgenus).
Upper Oligocene (Middle John Day); Oregon.

Promerycochœrus grandis Douglass.

Douglass, E. 1907 C, 104, pl. xxvii.
1907 A, 822.
Loomis, F. B. 1924 B, 9, 22, fig. 5.
Matthew, W. D. 1909 C, 113.
Lower Miocene (Harrison); Montana.

Promerycochœrus gregoryi Loomis.

Loomis, F. B. 1924 B, 23, fig. 12.
Miocene (Lower Rosebud); South Dakota.

Promerycochœrus hatcheri Douglass.

Douglass, E. 1907 C, 104, pl. xxvi.
1907 A, 822.
Matthew, W. D. 1909 C, 113.
Lower Miocene (Harrison); Montana.

Promerycochœrus hollandi Douglass.

Douglass, E. 1907 C, 106, pl. xxviii.
1907 A, 822.
Loomis, F. B. 1924 B, 23.
Matthew, W. D. 1909 C, 113.
Lower Miocene (Harrison); Montana.

Promerycochœrus inflatus Thorpe.

Thorpe, M. R. 1921 A, 235, fig. 3.
Upper Oligocene (Upper John Day); Oregon.

Promerycochœrus latidens Thorpe.

Thorpe, M. R. 1921 A, 232, fig. 2.
Loomis, F. B. 1924 B, 22.
Upper Oligocene (Upper John Day); Oregon.

Promerycochœrus leidyi (Bettany).

Hay, O. P. 1902 A, 668 (Merycochœrus).
Douglass, E. 1901 A, 82.
Loomis, F. B. 1924 B, 23.
Matthew, W. D. 1901 B, 398.
1909 C, 109.
Merriam, J. C. 1901 A, 273 ("Merycocherus").
Merriam and Sinclair 1907 A, 187, 191, 192.
Thorpe, M. R. 1921 A, 220, 228.
Upper Oligocene (John Day); Oregon.

Promerycochœrus lulli Thorpe.

Thorpe, M. R. 1921 A, 232, figs. 1*a*, 1*b*.
1923 C, 227.
Upper Oligocene (Upper John Day); Oregon.

Promerycochœrus macrostegus (Cope).

Hay, O. P. 1902 A, 668 (Merycochœrus).
Abel, O. 1919 A, 806, fig. 607.
Douglass, E. 1901 A, 82.
Loomis, F. B. 1924 B, 22.
Matthew, W. D. 1901 B, 398, 399, 404, text-figs. 19, 22.
1909 C, 109.
Merriam and Sinclair 1907 A, 187, 191, 192.
Osborn, H. F. 1910 B, 231, fig. 115.
Thorpe, M. R. 1921 A, 220, 226.
Trouessart, E. L. 1905 A, 669.
Zittel and Schlosser 1911 A, 483, fig. 675.
1923 A, 573, fig. 716.
Upper Oligocene (John Day); Oregon.

Promerycochœrus marshi Thorpe.

Thorpe, M. R. 1921 A, 236, fig. 4.
Loomis, F. B. 1924 B, 22.
Thorpe, M. R. 1925 A, 71, fig. 1.
Weber and Abel 1928 A, 610, fig. 405.
Upper Oligocene (Upper John Day); Oregon.

Promerycochœrus microcephalus Thorpe.

Thorpe, M. R. 1921 A, 239, fig. 5.
Upper Oligocene (Middle John Day); Oregon.

Promerycochœrus minor Douglass.

Douglass, E. 1903 A, 151, 168, fig. 12.
1907 A, 822.
Matthew, W. D. 1909 C, 109.
Upper Oligocene? (Drummond); Montana.

Promerycochœrus montanus (Cope).

Hay, O. P. 1902 A, 668 (Merycochœrus).
Dall and Harris 1892 A, 288.
Douglass, E. 1901 A, 82.
1907 A, 821.
Matthew, W. D. 1901 B, 297 (Merycochœrus).
1909 C, 115.
Peterson, O. A. 1928 B, 149.
Middle Miocene (Deep River); Montana.

Promerycochœrus obliquidens (Cope).

Hay, O. P. 1902 A, 668 (Merycochœrus).
Dall and Harris 1892 A, 282 (Merycochœrus).
Douglass, E. 1901 A, 81, fig. 5 (This species?).
Matthew, W. D. 1901 B, 398.
1909 C, 115 (This genus?).
Merriam and Sinclair 1907 A, 196.
Middle Miocene (John Day); Oregon.

Promerycochœrus pygmæus Loomis.

Loomis, F. B. 1924 B, 27, fig. 13 (P. pygmyus; *err. typ.*).
Miocene (Lower Rosebud); South Dakota.

Promerycochœrus superbus (Leidy).

Hay, O. P. 1902 A, 668 (Merycochœrus).
Douglass, E. 1901 A, 82.
Matthew, W. D. 1901, in Merriam, J. C.
1901 A, 296 (Paracotylops).
1901 B, 398 (M. superbus, M. temporalis).
1909 C, 109.
Merriam and Sinclair 1907 A, 187, 191, 192.
Thorpe, M. R. 1921 A, 220, 221.
1924 D, 126, 127.
Trouessart, E. L. 1905 A, 669.
Zittel and Schlosser 1911 A, 483, fig. 675.
1923 A, 573, fig. 716.
Upper Oligocene (Mascall); Oregon.

Promerycochœrus thomsoni Loomis.

Loomis, F. B. 1924 B, 22, figs. 9-11.
Miocene (Lower Rosebud); South Dakota.

Promerycochœrus vantasselensis Peterson.

Peterson, O. A. 1906 C, 35, 36, pl. xi.
Cook, H. J. 1912 D, 41.
Loomis, F. B. 1923 A, 223, fig. 1.
Matthew, W. D. 1909 C, 113.
O'Harra, C. C. 1920 A, 157.
Osborn, H. F. 1909 D, 72, 74.
1912 G, 247.
Peterson, O. A. 1914 E, 198, pl. xl; text-figs. 33-41.
Lower Miocene (L. Harrison); Nebraska, Wyoming.

Promerycochœrus sp. indet.

Matthew, W. D. 1909 C, 113. Miocene (Lower), South Dakota.

Merycochœrus Leidy.

Type *M. proprius* Leidy.

Hay, O. P. 1902 A, 667.
Abel, O. 1926 B, 353, 360.
Barbour and Cook 1917 A, 169.
Beddard, F. E. 1902 A, 330.
Douglass, E. 1901 A, 73.
1901 B, 257.
1906 A, 567.
1907 B, 84, 90.
Frick, C. 1926 A, 21.
Giebel, C. G. 1883 A, 133.
Gregory, W. K. 1920 A, 189, fig. 160.
Haug, E. 1911 A, 1706.
Loomis, F. B. 1924 B, 10, 15, 27.
1925 E, 594, figs. 7, 8.
Matthew, W. D. 1901, in Merriam, J. C. 1901 A, 296.
1901 B, 365, 366, 370, 374, 395-398.
1903 B, 221.
1907 A, 173, 176.
1910 H, 475.
1924 C, 72.
1924 E, 748.
Merriam, J. C. 1900 B, 220.
Moodie, R. L. 1916 E, 135, figs. 1-4.
1922 C, 367.
Osborn, H. F. 1901 C, 46.
1907 F, 872.
1909 D, 23, 129.
1910 B, 623.
1912 G, 247, 248, 249.
1918 A, 13, 20.
Osburn, R. C. 1903 A, 653.
Palmer, T. S. 1904 A, 411, 912.
Peterson, O. A. 1906 C, 36.
Schlosser, M. 1904 C, 97.
Schuchert, C. 1910 A, 599.
Scott, W. B. 1913 A, 685.
Steinmann, G. 1907 A, 480.
Thorpe, M. R. 1924 D, 121, 127.
1925 A, 74, 75.
Trouessart, E. L. 1905 A, 669.
Wallace, A. R. 1876 A, I, 138.
Weber, M. 1904 A, 663.
Weber and Abel 1928 A, 611.
Winge, H. 1906 A, 133.
Zittel and Schlosser 1911 A, 483.
1923 A, 572, 672, 673, 679.

Merycochœrus? buwaldi Merriam, J. C.

Merriam, J. C. 1919 A, 450, 507, 527, 576, figs. 84-89.
Upper Miocene (Barstow); California.

Merycochœrus? californicus Merriam, J. C.

Merriam, J. C. 1919 A, 525, 527, 575, figs. 211-215 [M. (Pronomotherium?)].
1917 A, 431 [M. (Pronomotherium)]. No description.
Lower Pliocene (Ricardo); California.

Merycochœrus cœnopus Scott.

Hay, O. P. 1902 A, 668.
Matthew, W. D. 1909 C, 117 (M. cenopus).
Upper Miocene (Arikaree); Nebraska?

Merycochœrus compressidens Douglass.

Douglass, E. 1901 A, 79, fig. 4.
1907 A, 821 (This genus?).
Matthew, W. D. 1901 B, 398.
Trouessart, E. L. 1905 A, 669.
Miocene; Montana.

Merycochœrus elrodi Douglass.

Douglass, E. 1901 A, 78, fig. 3.
Matthew, W. D. 1901 B, 398.
Trouessart, E. L. 1905 A, 669.
Miocene ("Loup Fork"); Montana.

Merycochœrus magnus Loomis.

Loomis, F. B. 1924 B, 28, figs. 16, 17.
Lower Miocene (Upper Harrison); Nebraska.

Merycochœrus matthewi Loomis.

Loomis, F. B. 1924 B, 27, figs. 14, 15.
Lower Miocene (Upper Rosebud); South Dakota.

Merycochœrus proprius Leidy.

Hay, O. P. 1902 A, 668.
Barbour and Cook 1917 A, 171, fig. 7.
Douglass, E. 1901 A, 82.
1907 B, 90.
Loomis, F. B. 1924 B, 27.
Matthew, W. D. 1901 B, 358, 373, 397, 399, 401, 411, text-figs. 18, 20, 21, 23-26.
1909 C, 113, 115.
Merriam, J. C. 1919 A, 508, 578.
Merrill, G. P. 1907 A, 47.
Osborn, H. F. 1910 B, 286, fig. 140.
Peterson, O. A. 1906 C, 63 (This species?).
1914 E, pl. xlii, figs. 2, 3.
Scott, W. B. 1913 A, 373, 382, figs. 197, 204.
Thorpe, M. R. 1921 A, 215.
Trouessart, E. L. 1905 A, 669.
Lower Miocene (Laramie Peak); Wyoming; ? Middle (Pawnee Creek); Colorado.

Merycochœrus rusticus Leidy.

Hay, O. P. 1902 A, 668.
Douglass, E. 1901 A, 82.
1907 B, 85, 96.
Matthew, W. D. 1901 B, 358, 395, 401, 412, 418, text-figs. 27, 28 (Merycochœrus); 397 [M. (Brachycrus)].
1909 C, 113, 115.
Merrill, G. P. 1907 A, 48.
Moodie, R. L. 1918 D, 508, fig. 40.
1923 B, 270, pl. lii.
Peterson, O. A. 1906 C, 65.
Thorpe, M. R. 1924 D, 123, 124.
Trouessart, E. L. 1905 A, 669.
Lower Miocene (Sweetwater River), Wyoming: ? Middle Miocene (Pawnee Creek); Colorado.

Merycochœrus sp. indet.

Hay, O. P. 1902 A, 668.
Cook, H. J. 1912 D, 42. Miocene (Upper Harrison); Nebraska.
Matthew, W. D. 1909 C, 113, 117. Miocene (Lower); Nebraska, South Dakota.
Merriam, J. C. 1917 A, 438. Pliocene? (Republican River); Nebraska.
Merriam and Sinclair 1907 A, 196. Miocene (Mascall); Oregon.
Merrill, G. P. 1907 A, 48. Pliocene; Wyoming.

PRONOMOTHERIUM Douglass. Type *Merycochœrus laticeps* Douglass.

Douglass, E. 1907 B, 94.
Barbour and Cook 1917 A, 169.
Douglass, E. 1909 A, 477.
Loomis, F. B. 1924 B, 14, 15.
Matthew, W. D. 1909 C, 119.
1910 H, 475.
1924 C, 72.
Osborn, H. F. 1910 B, 291, 300, 550; fig. 144.
Scott, W. B. 1913 A, 231, 374, 381.
Thorpe, M. R. 1924 D.
1925 A, 74.
Weber and Abel 1928 A, 611.
Zittel and Schlosser 1923 A, 572, 679.

Pronomotherium altiramum (Douglass).

Douglass, E. 1901 A, 73, fig. 1 (Merycochœrus).
1901 B, 256 (Merycochœrus?).
1903 A, 154 (Merycochœrus).
1906 A, 567 (Merycochœrus).
1907 A, 809, 817, 821; figs. 8, 9.
1907 B, 97 (Merycochœrus?).
Loomis, F. B. 1924 B, 8, fig. 5.
Matthew, W. D. 1909 C, 117 (P. altiramis).
Merriam, J. C. 1919 A, 577, 578.
Thorpe, M. R. 1925 A, 75, fig. 5.
Trouessart, E. L. 1905 A, 669 (Merycochœrus altiramis).
Weber and Abel 1928 A, 612, fig. 407.
Upper Miocene (Madison Valley); Montana.

Pronomotherium laticeps (Douglass).

Hay, O. P. 1902 A, 668 (Merycochœrus).
Douglass, E. 1901 A, 82 (Merycochœrus).
1901 B, 238, 256 (Merycochœrus?).
1903 A, 153.
1906 A, 567.
1907 A, 818, 821.
Matthew, W. D. 1901 B, 398 (Merycochœrus).
1909 C, 115.
Merriam, J. C. 1919 A, 578.
Scott, W. B. 1913 A, 375, fig. 198.
Middle Miocene (Flint Creek); Montana.

Pronomotherium madisonium (Douglass).

Douglass, E. 1901 A, 75, fig. 2 (Merycochœrus).
1903 A, 154 (Merycochœrus).
1907 A, 821.
Matthew, W. D. 1901 B, 398 (Merycochœrus).
Trouessart, E. L. 1905 A, 669 (Merycochœrus).
Upper Miocene (South Fork); Montana.

Pronomotherium siouense Sinclair.

Sinclair, W. J. 1915 A, 77, 86, fig. 11.
Matthew, W. D. 1918 A, 187.
1924 C, 67, 181, 184, figs. 51-53.
Merriam, J. C. 1917 A, 436.
Upper and Middle Miocene (Snake Creek and Sheep Creek); Nebraska.

MERYCOIDES Douglass. Type *M. cursor* Douglass.

Douglass, E. 1907 C, 101.
Matthew, W. D. 1909 C, 119.

Merycoides cursor Douglass.

Douglass, E. 1907 C, 101, pl. xxiv.
1907 A, 822.
Loomis, F. B. 1924 B, 9, 12.
Matthew, W. D. 1909 C, 113.
Lower Miocene (Canyon Ferry); Montana.

Merycoides latidens (Douglass).

Douglass, E. 1907 C, 102, pl. xxv (Mesoreodon).
Loomis, F. B. 1924 B, 9, 12.
Matthew, W. D. 1909 C, 113 (Mesoreodon).
Lower Miocene (Harrison); Montana.

Merycoides longiceps (Douglass).

Douglass, E. 1907 A, 809, 811, 822, figs. 1-5 (Mesoreodon).
Loomis, F. B. 1924 B, 9, 12, fig. 6.
Matthew, W. D. 1909 C, 115 (Mesoreodon).
Middle Miocene (Deep River); Montana.

MERYCHYUS Leidy. Type *M. elegans* Leidy.

Hay, O. P. 1902 A, 669.
Barbour and Cook 1917 A, 165.
Douglass, E. 1906 A, 567.
Flower, W. H. 1873 B, 102.
Giebel, C. G. 1883 A, 133.
Haug, E. 1911 A, 1705, 1706.
Heilprin, A. 1887 A, 382.
Kampfen, P. N. 1905 A, 591.
Loomis, F. B. 1924 B, 1, 12, 15, 30.
1925 A, 248.
Matthew, W. D. 1901 B, 374, 395, 396, 418.
1903 B, 221.
1909 C, 113, 119 (Merychyus).
1910 H, 474.
1918 A, 215.
1924 C, 72.
1924 E, 748.
Matthew and Cook 1909 A, 367, 391 (Merychyus, Metoreodon).
Merriam, J. C. 1911 B, 207, 215, 217.
O'Harra, C. C. 1910 A, 109, 132.
Osborn, H. F. 1909 D, 129.
1910 B, 623.
1912 G, 249.
Palmer, T. S. 1904 A, 411, 912.
Peterson, O. A. 1906 C, 22.
1928 B.
Riggs, E. S. 1909 A, 196.
Scott, W. B. 1913 A, 232, 372, 373, 382, 685.
Thorpe, M. R. 1925 A, 75.
Trouessart, E. L. 1905 A, 670.
Wallace, A. R. 1876 A, I, 138.
Weber, M. 1904 A, 663.
Weber and Abel 1928 A, 611.
Winge, H. 1906 A, 133.
Zittel and Schlosser 1911 A, 483.
1923 A, 573, 672, 673, 679.

Merychyus arenarum Cope.

Hay, O. P. 1902 A, 669.
Matthew, W. D. 1901 B, 395, 420.
1909 C, 113.
1918 A, 215 (M. arenarius. This genus?).
Peterson, O. A. 1923 C, 97.
Trouessart, E. L. 1904 A, 670.
Lower Miocene (Laramie Peak); Wyoming.

Merychyus curtus Loomis.

Loomis, F. B. 1924 B, 13, 31, figs. 19, 20.
Lower Miocene (Lower Rosebud); South Dakota.

Merychyus delicatus Loomis.

Loomis, F. B. 1924 B, 33, fig. 22.
Lower Miocene (Lower Rosebud); South Dakota.

Merychyus elegans Leidy.

Hay, O. P. 1902 A, 669.
Gidley, J. W. 1904 A, 246 (This species?).
Loomis, F. B. 1923 A, 228.
1924 B, 13, 30.
Matthew, W. D. 1901 B, 358, 395, 419.
1909 C, 113 (This species?); 117 (M. elegans).
Matthew and Cook 1909 A, 391, 394.
Merrill, G. P. 1907 A, 47.
Peterson, O. A. 1923 C, 97.
1928 B, 135, 138.
Trouessart, E. L. 1905 A, 670.
? Lower Miocene (Harrison); Nebraska.
Upper Miocene (Arikaree); Nebraska.

Merychyus harrisonensis Peterson.

Peterson, O. A. 1906 C, 35, 37, figs. 7, 8.
Barbour and Cook 1917 A, 170, fig. 5.
Cook, H. J. 1912 D, 41 (This genus?).
Loomis, F. B. 1923 A, 227, fig. 5 (Ticholeptus).
Matthew, W. D. 1909 C, 113 (This genus?).
O'Harra, C. C. 1920 A, 157.
Peterson, O. A. 1923 C, 97.
Sternberg, C. H. 1913 A, 46.
Lower Miocene (Lower Harrison); Nebraska.

Merychyus leptorhynchus Cope.

Cope, E. D. 1884 M, 536, 537, 540 (Subsp. of M. arenarum).
Hay, O. P. 1902 A, 669 (M. arenarum, part).
Loomis, F. B. 1920 A, 290 (M. leptorhyncus).
Matthew, W. D. 1901 B, 395, 420.
1909 C, 113.
Peterson, O. A. 1923 C, 97.
1928 B, 135.
Lower Miocene (Laramie Peak); Wyoming.

Merychyus major Leidy.

Hay, O. P. 1902 A, 669.
Matthew, W. D. 1909 C, 117 (This genus?).
Merrill, G. P. 1907 A, 47.
Palacký, J. 1903 B, 317 (Meryhyus)

Peterson, O. A. 1906 C, 36, 68.
1923 C, 97.
Trouessart, E. L. 1905 A, 670.
Upper Miocene (Arikaree); Nebraska.

Merychyus medius Leidy.

Hay, O. P. 1902 A, 669.
Matthew, W. D. 1901 B, 358.
1909 C, 117 (This genus?).
Merrill, G. P. 1907 A, 47.
Peterson, O. A. 1906 C, 65.
1923 C, 97.
Upper Miocene (Arikaree); Nebraska.

Merychyus minimus Peterson.

Peterson, O. A. 1906 C, 67, fig. 16.
Cook, H. J. 1912 D, 42.
Loomis, F. B. 1909 A, 21.
1924 B, 13, 33, fig. 7.
Matthew, W. D. 1909 C, 113.
1918 A, 215 (This genus?).
O'Harra, C. C. 1920 A, 157.
Peterson, O. A. 1923 C, 96, pls. vii, viii; text-figs. 1-8.
1928 B, 155.
Lower Miocene (Upper Harrison); Nebraska.

Merychyus paniensis Loomis.

Loomis, F. B. 1924 B, 34, figs. 23, 24.
Middle Miocene (Pawnee Creek); Colorado.

Merychyus pariogonus Cope.

Hay, O. P. 1902 A, 669.
Dall and Harris 1892 A, 288.
Matthew, W. D. 1909 C, 115.
Peterson, O. A. 1906 C, 68.
1923 C, 97 (M. parigonus).
Middle Miocene (Deep River); Montana.

Merychyus siouxensis Loomis.

Loomis, F. B. 1924 B, 31, 33, fig. 21.
Miocene (Lower Harrison); South Dakota.

Merychyus smithi Douglass.

Douglass, E. 1903 A, 153, 179, fig. 19.
1907 A, 821 (Ticholeptus).
1907 B, 98.
Matthew, W. D. 1909 C, 115.
Middle Miocene (Flint Creek); Montana.

Merychyus sp. indet.

Matthew, W. D. 1901 B, 358, 359.
1909 C, 115, 117. Miocene (Arikaree); South Dakota.
1924 C, 67. Middle Miocene (Sheep Creek); Nebraska.
Merriam, J. C. 1911 B, 276, figs. 48, 49 (This genus?). (Virgin Valley); Nevada.
1917 A, 436 [M. (Metoreodon)]. Miocene (Snake Creek); Nebraska.
Peterson, O. A. 1906 C, 40. Miocene (Lower); Nebraska.
Sinclair, W. J. 1915 A, 77. [M. (Metoreodon)]; Nebraska.

METOREODON Matthew and Cook. Type *M. relictus* Matthew and Cook.

Matthew and Cook 1909 A, 391 (Subgenus of Merychyus).
Barbour and Cook 1917 A, 165.
Loomis, F. B. 1924 B, 12, 15, 36.
Matthew, W. D. 1910 H, 475.
1918 A, 215.
1924 C, 72.
Osborn, H. F. 1918 A, 29.
Weber and Abel 1928 A, 610.

Metoreodon profectus Matthew and Cook.

Matthew and Cook 1909 A, 394, fig. 15 [Merychyus (Metoreodon)].
Barbour and Cook 1917 A, 165, figs. 1-3.
Cook, H. J. 1912 D, 45 (Meteoreodon relictus profectus).
Loomis, F. B. 1924 B, 36.
Matthew, W. D. 1918 A, 187.
Merriam, J. C. 1917 A, 436 [M. (Metoreodon)].
Sinclair, W. J. 1915 A, 77 [Merychyus (Metoreodon)].
Lower Pliocene (Snake Creek and Devil's Gulch); Nebraska.

Metoreodon relictus Matthew and Cook.

Matthew and Cook 1909 A, 391, fig. 14 [Merychyus (Metoreodon)].
Cook, H. J. 1912 D, 45 (Meteoreodon).
Loomis, F. B. 1924 B, 11, fig. 6.
Matthew, W. D. 1918 A, 187, 216.
1924 C, 67.
Merriam, J. C. 1917 A, 436 [Merychyus (Metoreodon)].
Sinclair, W. J. 1915 A, 77 [Merychyus (Metoreodon)].
Upper Miocene (Lower Snake Creek); Nebraska.

LEPTAUCHENIA Leidy. Type *L. decora* Leidy.

Hay, O. P. 1902 A, 670.
Douglass, E. 1901 B, 257.
Giebel, C. G. 1883 A, 133.
Gregory, W. K. 1920 A, 188, fig. 157.
Haug, E. 1911 A, 1528, 1529.
Kampfen, P. N. 1905 A, 591.
Loomis, F. B. 1924 B, 1, 13, 14, 15.
1925 A, 241, 245.
1925 E, 594, figs. 7, 8.
Matthew, W. D. 1901 B, 364, 370, 395, 396.
1907 A, 172, 174, 176.
1909 C, 111, 119.
1910 H, 474.
1924 E, 748.
O'Harra, C. C. 1910 A, 109, 132.
1920 A, 126.
Osborn, H. F. 1909 D, 23, 63, 128.
1910 B, 620.

Osborn, H. F. 1912 G, 243, 247, 249.
Peterson, O. A. 1906 C, 24.
1923 C, 98.
1928 B.
Schlosser, M. 1904 C, 97.
Schuchert, C. 1910 A, 599.
Scott, W. B. 1913 A, 258, 377.
Sinclair, W. J. 1910 B, 196.
Thorpe, M. R. 1921 B, 405.
1923 E, 241.
1925 A, 72, 78.
Trouessart, E. L. 1905 A, 670.
Wallace, A. R. 1876 A, I, 138.
Weber and Abel 1928 A, xxiii, 609, 611.
Winge, H. 1906 A, 133.
Zittel and Schlosser 1911 A, 483.
1923 A, 573, 670-672.

Leptauchenia decora Leidy.

Hay, O. P. 1902 A, 670.
Abel, O. 1914 A, 167, fig. 122.
1919 A, 807, fig. 608.
1920 A, 436, fig. 661.
Giebel, C. G. 1883 A, pl. xliv.
Loomis, F. B. 1924 B, 13.
1925 A, 241, 242.
Matthew, W. D. 1901 B, 357, 373.
1909 C, 113.
O'Harra, C. C. 1920 A, 127, 157, fig. 64.
Osborn, H. F. 1909 D, 73.
Peterson, O. A. 1906 C, 23.
1928 B, 144.
Sinclair, W. J. 1910 B, 196, fig. 1.
Thorpe, M. R. 1921 B, 406.
Weber and Abel 1928 A, 608, fig. 401.
Oligocene (Upper) or Miocene (Lower); Nebraska, South Dakota.

Leptauchenia densa Loomis.

Loomis, F. B. 1925 A, 245, figs. 3, 4.
Lower Miocene (Lower Rosebud); Wyoming.

Leptauchenia major Leidy.

Hay, O. P. 1902 A, 670.
Loomis, F. B. 1925 A, 246, 247.
Matthew, W. D. 1909 C, 113.
O'Harra, C. C. 1920 A, 157.
Thorpe, M. R. 1921 B, 409.
Trouessart, E. L. 1905 A, 670.
Oligocene (Upper) or Miocene (Lower); South Dakota.

Leptauchenia nitida Leidy.

Hay, O. P. 1902 A, 670.
Loomis, F. B. 1925 A, 247.
Matthew, W. D. 1909 C, 113.
O'Harra, C. C. 1920 A, 157, pl. xli.
Scott, W. B. 1913 A, 377, 378, figs. 200, 201.
Thorpe, M. R. 1921 B, 410.
Oligocene (Upper) or Miocene (Lower); South Dakota.

Leptauchenia sp. indet.

Cook, H. J. 1912 D, 37, 39. Oligocene (Brule); Nebraska: 40. Miocene (Monroe Creek), Nebraska?.
Matthew, W. D. 1909 C, 106, 109, 113. Oligocene (Middle and Upper): Miocene (Lower); Nebraska, South Dakota.
Wanless, H. R. 1923 A, 226, 231. Oligocene (White River); Nebraska.

PHENACOCŒLUS Peterson. Type *P. typus* Peterson.

Peterson, O. A. 1906 C, 24, 29.
Loomis, F. B. 1924 B, 12, 15.
Matthew, W. D. 1909 C, 119.
Osborn, H. F. 1909 D, 74.
1910 B, 233, 236, 550, fig. 120.
Peterson, O. A. 1923 C, 98.
1928 B, 131.
Sinclair, W. J. 1910 B, 196.
Thorpe, M. R. 1925 A, 75.
Weber and Abel 1928 A, 611.

Phenacocœlus munroënsis Peterson.

Peterson, O. A. 1928 B, 161, pl. xviii, figs. 1-9.
Lower Miocene (Monroe Creek); Nebraska.

Phenacocœlus typus Peterson.

Peterson, O. A. 1906 A, 24, 29, figs. 4-6.
Cook, H. J. 1912 D, 40.
Loomis, F. B. 1924 B, 11, fig. 6.
Matthew, W. D. 1909 C, 113.
O'Harra, C. C. 1920 A, 157.
Peterson, O. A. 1928 B, 132, pl. xvi; pl. xvii, figs. 1, 2, 4-12; pl. xviii, figs. 12, 13; pls. xix, xx.
Lower Miocene (Harrison); Nebraska.

TICHOLEPTUS Cope. Type *T. zygomaticus* Cope.

Cope, E. D. 1878 H, 380.
Hay, O. P. 1902 A, 669 (Merychyus, in part).
Douglass, E. 1906 A, 567.
Haug, E. 1911 A, 1705.
Loomis, F. B. 1924 B, 11, 12, 15, 35.
1925 A, 248.
1925 E, 594, figs. 7, 8.
Matthew, W. D. 1909 C, 119.
1910 H, 475.
1924 C, 72.
1924 E, 748.
Osborn, H. F. 1909 D, 23.
Osborn, H. F. 1910 B, 281, 288-297, 550.
1918 A, 13, 15.
Palmer, T. S. 1904 A, 679, 912.
Peterson, O. A. 1928 B.
Schuchert, C. 1910 A, 599.
Weber and Abel 1928 A, 610.

Ticholeptus bannackensis Douglass.

Douglass, E. 1907 C, 108, pl. xxx.
1907 A, 817, 822.
Matthew, W. D. 1909 C, 115.
Middle Miocene (Flint Creek); Montana.

Ticholeptus brachymelis Douglass.

Douglass, E. 1907 A, 809, 815, 822, figs. 6, 7.
Matthew, W. D. 1909 C, 115.
Middle Miocene (Flint Creek); Montana.

Ticholeptus breviceps Douglass.

Douglass, E. 1907 C, 107, pl. xxix.
Abel, O. 1913 B, 741, fig. 58.
1914 A, 168, fig. 123.
1919 A, 807, fig. 609.
Douglass, E. 1907 A, 816, 821.
Matthew, W. D. 1909 C, 115.
Osborn, H. F. 1910 B, 286, fig. 142.
Peterson, O. A. 1928 A, 99.
Richards and Pardee 1925 A, 15.
Weber and Abel 1928 A, 610, fig. 404.
Middle Miocene (Flint Creek); Montana.

Ticholeptus hypsodus Loomis.

Loomis, F. B. 1924 B, 35, fig. 25.
Miocene (Snake Creek); Nebraska.

Ticholeptus petersoni Loomis.

Loomis, F. B. 1923 A, 225, figs. 2-4.
1924 B, 11, fig. 6.
Peterson, O. A. 1928 A, 99.
Lower Miocene (Lower Harrison); Wyoming.

Ticholeptus zygomaticus Cope.

Hay, O. P. 1902 A, 669 (Merychyus).
Douglass, E. 1907 A, 816, 821.
Dall and Harris 1892 A, 288 (Merychyus).
Matthew, W. D. 1909 C, 115.
Middle Miocene (Deep River); Montana.

Ticholeptus sp. indet.

Peterson, O. A. 1928 A, 99, fig. 8. Miocene or Pliocene (Brown's Park); Colorado.

POATREPHES Douglass. Type *P. paludicola* Douglass.

Douglass, E. 1903 A, 176.
Loomis, F. B. 1924 B, 15.
Matthew, W. D. 1909 C, 119.

Poatrephes paludicola Douglass.

Douglass, E. 1903 A, 153, 176, 179, fig. 18.
1907 A, 821.
Matthew, W. D. 1909 C, 115.
Middle Miocene (Flint Creek); Montana.

CYCLOPIDIUS Cope. Type *C. simus* Cope.

Hay, O. P. 1902 A, 670.
Beddard, F. E. 1902 A, 331.
Kampfen, P. N. 1905 A, 591.
Loomis, F. B. 1924 B, 14, 15 (Cyclopidius); 14 (Chelonocephalus).
1925 A, 241, 244, 247.
Matthew, W. D. 1901 B, 374, 395, 445.
1909 C, 114.
Osborn, H. F. 1909 D, 78.
1910 B, 293, 550.
Palmer, T. S. 1904 A, 207, 911 (Cyclopidius); 142, 911 (Brachymeryx).
Peterson, O. A. 1906 C, 22.
1928 B, pl. xviii, figs. 10, 11.
Reynolds, S. H. 1897 A, 468.
Schlosser, M. 1904 C, 97.
Scott, W. B. 1913 A, 361, 376.
Sinclair, W. J. 1910 B, 198.
Thorpe, M. R. 1921 B, 412.
1923 E, 241.
1925 A, 73, 74 (Cyclopidius, Chelonocephalus).
Trouessart, E. L. 1905 A, 670.
Weber and Abel 1928 A, 611 (Cyclopidius, Pithecistes).
Winge, H. 1906 A, 133 (Cyclopidius, Pithecistes).
Zittel and Schlosser 1911 A, 484.
1923 A, 573, 673.

Cyclopidius brevifacies (Cope).

Hay, O. P. 1902 A, 670.
Dall and Harris 1892 A, 288 (Pithecistes).
Loomis, F. B. 1925 A, 241 (Pithecistes brevifacies); 247, 248 (P. breviceps).
Trouessart, E. L. 1905 A, 670.
Middle Miocene (Deep River); Montana.

Cyclopidius decedens (Cope).

Hay, O. P. 1902 A, 670.
Dall and Harris 1892 A, 288 (Pithecistes).
Loomis, F. B. 1925 A, 248 (Syn. of C. simus).
Matthew, W. D. 1909 C, 115.
Trouessart, E. L. 1905 A, 671.
Middle Miocene (Deep River); Montana.

Cyclopidius emydinus Cope.

Hay, O. P. 1902 A, 670.
Dall and Harris 1892 A, 288.
Douglas, E. 1907 A, 821.
Kampfen, P. N. 1905 A, 592.
Loomis, F. B. 1925 A, 241, 248.
Matthew, W. D. 1909 C, 115.
Miocene (Deep River); Montana.

Cyclopidius heterodon Cope.

Hay, O. P. 1902 A, 670.
Dall and Harris 1892 A, 288.
Loomis, F. B. 1925 A, 248 (Syn. of C. simus).
Trouessart, E. L. 1905 A, 671.
Miocene (Deep River); Montana.

Cyclopidius incisivus Scott.

Hay, O. P. 1902 A, 671.
Douglass, E. 1907 A, 821.
Loomis, F. B. 1925 A, 241, 248 (Syn.? of C. emydinus).
Matthew, W. D. 1909 C, 115.
Middle Miocene (Deep River); Montana.

Cyclopidius lullianus Thorpe.

Thorpe, M. R. 1921 B, 413, figs. 1, 2.
Loomis, F. B. 1925 A, 242, figs. 1, 2.

Thorpe, M. R. 1925 A, 72, fig. 2.
Lower Miocene (Lower Rosebud); Wyoming.

Cyclopidius schucherti (Thorpe).

Thorpe, M. R. 1921 B, 415, figs. 4-6 (Chelonocephalus, subgenus).
Loomis, F. B. 1925 A, 248 (Chelonocephalus?).
Thorpe, M. R. 1925 A, 73, figs. 3, 4 (Chelonocephalus).
Lower Miocene (Lower Rosebud); South Dakota.

Cyclopidius simus Cope.

Hay, O. P. 1902 A, 671.
Dall and Harris 1892 A, 288 (Brachymeryx feliceps).
Douglass, E. 1907 A, 821.
Loomis, F. B. 1925 A, 241, 247.
Matthew, W. D. 1909 C, 115.
Trouessart, E. L. 1905 A, 670.
Middle Miocene (Deep River); Montana.

HADROHYUS Leidy. Type *H. supremus* Leidy.

Hay, O. P. 1902 A, 671.
Palmer, T. S. 1904 A, 305, 931.
A genus of uncertain relationships.

Hadrohyus supremus Leidy.

Hay, O. P. 1902 A, 671.
Miocene; Oregon.

Suborder RUMINANTIA Cuvier.

Cuvier, G. 1834 A, VI.
Hay, O. P. 1902 A, 681 (Boöidea).
Beyer, H. 1908 A, 81 ("wiederkäuer").
Kowalevsky, W. 1873 A, 171 (Selenodonta).
Leche, W. 1900 A, 1033 ("wiederkäuer").
Matthew, W. D. 1928 B, 968, 981, fig. 16 ("ruminants").
Petersen, G. 1921 A, 294.
Weber, M. 1904 A, 645 (Selenodontia).
Weber and Abel 1928 A, 426, 538, 554, 565 (Selenodontia).
Weber and Burlet 1927 A, xv (Selenodontia).
Zittel, K. A. 1893 B, 324 (Selenodontia).
Zittel and Schlosser 1923 A, 569.

Superfamily CAMELOIDÆ, new form.

Unless otherwise indicated the authors, as cited, use for this group the term Tylopoda.
Hay, O. P. 1902 A, 662 (Cameloidea).
Andrews, C. W. 1916 A, 1.
Beddard, F. E. 1902 A, 285.
Boas, J. E. V. 1914 B, 589.
Bonaparte, C. L. 1832 A, 292.
Burmeister, H. 1879 B, 456.
Carus, V. 1875 A, 156.
Carus and Engelmann 1861 A, 1296, 1687 (Ruminantia, in part).
Clark and Sonntag 1926 A, 482.
Cope, E. D. 1891 N, 87, 89 (Cameloidea).
Eisler, P. 1895 A, 54 ("wiederkäuer").
Frech, F. 1906 A, 486 ("tylopoden").
Giebel, C. G. 1883 A ("tylopoden").
Gray, J. E. 1821 A, 307 (Hydrophoræ).
Gregory, W. K. 1910 A, 70.
Haeckel, E. 1873 A, 554.
Hay, O. P. 1914 A, 228 (Cameloidea).
Hoernes, R. 1886 A, 676.
Hogben, L. T. 1919 A, 75.
Illiger, C. 1811 A, 102.
Leche, W. 1887 A.
Lydekker, R. 1904 B, 25.
1913 B, 7.
1915 D, 298.
Matthew, W. D. 1901 B, 442.
Osborn, H. F. 1905 I, 101.
1910 B, 550.
Rehs, J. 1914 A, 48.
Reynolds, S. H. 1897 A, 557.
Schlosser, M. 1901 D, 462, 466 ("tylopoden").
1903 I, 96, 184, 209, 211.
1904 C, 95 ("tylopoden").
Scott, W. B. 1913 A, 202, 362, 386, 409, 410.
Stehlin, H. G. 1910 A, 1089 ("tylopoden").
Troxell, E. L. 1920 A, 392 (Tylopodidæ).
Weber, M. 1904 A, 628, 643, 655 (Tylopoda); 661 (Cameloidea).
Weber and Abel 1928 A, 426, 538, 555.
Woodward, A. S. 1923 C, 40.
Wright, R. R. 1883 A, 279.
Zittel and Schlosser 1923 A, 573.

CAMELIDÆ Gray.

Gray, J. E. 1821 A, 307.
Hay, O. P. 1902 A, 673 (Camelidæ); 680 (Camelinæ).
Abel, O. 1913 B, 729, 742.
1914 A, 168.
1919 A, 810.
1920 A, 436.
1921 A, 260 ("cameele").
Adams, C. C. 1905 A, 54 ("camels").
Ameghino, F. 1889 A, 1007.
1912 B, 171 ("camélidés").
Andrews, C. W. 1916 A, 1.
Arldt, T. 1907 B, 452 ("cameliden").
Arldt, T. 1907 D, 203, 256, 643 (Camelidæ, Camelinæ, Protolabinæ).
1911 A, 222 ("kamele").
1912 A, 100.
Baur, G. 1886 N, 117.
Beddard, F. E. 1902 A, 285.
Behlen, H. 1906 A, 187 ("cameliden").
1907 A, 278 ("cameliden").
Black, D. 1915 A, 353.
Black, N. 1900 A, 11 ("camels").
Boule and Thevenin 1920 A, 171.
Buwalda, J. P. 1912 C, 350 ("camels").
Case, E. C. 1899 B, 173.

Cleland, J. 1863 B, 298 (camel, alpaca).
Cope, E. D. 1880 U, 152.
1884 G, 16 (Protolabididæ).
Cossmann, M. 1899 B, 83.
Cuvier, F. 1825 A, 227 ("chameaux").
Cuvier, G. 1805 A ("chameaux").
Depéret, C. 1907 B ("camélidés").
Diener, C. 1912 A, 216 ("kamelen").
Doran, A. H. G. 1878 A, 424.
Eaton, J. E. 1928 A, 133 ("camels").
Fairchild, H. L. 1894 A, 208 ("camels").
Falconer and Cautley 1836 A, 116, 120.
Frech, F. 1906 A, 492 ("kamele").
1907 A, 316 ("cameliden").
Gervais, P. 1859 A, 156 ("camélidés").
Gidley, J. W. 1912 C, 19 ("camels, llamas").
Giebel, C. G. 1883 A ("llamas").
Gilbert, J. Z. 1910 B, 37.
Gregory, W. K. 1920 A, 193.
1927 A, 601 ("camels").
Haworth, E. 1897 A, 280 ("llamas").
Hay, O. P. 1910 D, 372 ("camels").
1914 A, 229, 230.
1916 E, 54 ("camels").
1919 A, 311 ("camels").
1923 A, 481.
1926 E, 388 ("camels").
1927 E, 77 ("camels").
Hrdlička, A. 1903 A, 379.
Huxley, T. H. 1870 F, 537, 542 ("camels").
Kampfen, P. N. 1905 A, 594.
Knottnerus-Meyer, T. 1907 A, 9, 97.
Laloy, L. 1907 A, 586 ("camélidés").
Le Damany, P. 1906 B, 163 ("chameaux").
Lee, Stone, Gale 1915 A, 27, 34 ("camels").
Lesbe, F. X. 1903 A.
Leunis and Ludwig 1883 A, 266.
Lobley, J. L. 1908 A, 200, 204, 213.
Loomis, F. B. 1925 B, 226 ("camels").
1925 E, 595.
1926 A, 153 ("camels").
Lull, R. S. 1904 C, 8.
1917 B, 624.
Lydekker, R. 1903 D, 124 ("camels").
1904 B, 25, 28.
1907 B, 60.
1913 B, 7.
1915 D, 299.
Martins, C. 1857 A, 70 ("chameaux").
Matthew, W. D. 1901 B, 420-439.
1904 B, 213.
1904 E, 892.
1908 A, 549, 561.
1909 C, 123.
1910 H, 477 ("camels").
1913 B, 291.
1914 G, 234.
1915 A, 187, 245, 247, 254, fig. 22.
1915 K, 457, fig. 17 ("camels").
1918 D, 144.
1924 C, 186.
1924 E, 745.
1928 B, 968, 980, 981, fig. 16.
Matthew and Cook 1909 A, 367, 395.
Meckel, J. F. 1825 A ("camels").
Merriam, J. C. 1910 C, 52 ("camels").
1915 F, 259 ("camels").
1919 A, 512.
Middleton, J. 1844 A, 286 ("camels").
Montgomery, T. H. 1901 A, 21734 ("camels").
Nehring, A. 1901 A, 264 ("cameliden").
1901 B, 189 ("kamele").
O'Harra, C. C. 1910 A, 114, 145.
1920 A, 132.
Osborn, H. F. 1905 D, 315 ("camels").
1905 H, 222, fig. 5.
1905 I, 101.
1906 C, 776.
1909 D, 123.
1910 B, 608.
1917 B, 262, 292 ("camels").
1926 A, 188 ("camel").
Owen, R. 1868 A, 868.
Palacký, J. 1903 B, 306 ("cameliden").
Palmer, T. S. 1904 A, 920 (Camelidæ, with subfamilies).
Pander and Alton 1823 A, 7, pl. iii ("kameele").
Paulli, S. 1900 A, 203, pl. x; text-figs. 14-19 (Camelus, Auchenia).
Peterson, O. A. 1908 A, 300.
1911 B, 271.
1912 B, 166.
Pictet, F. J. 1853 A, 344 ("camélides").
Rehs, J. 1914 A, 48.
Scharff, R. F. 1911 A, 86, 116, 337, 406 ("cameliden").
Schlosser, M. 1899 T, 453 ("cameliden").
1901 D, 462.
1911 A, 165.
Schmidt, O. 1886 A, 154.
Schuchert, C. 1915 A, 934.
Schuchert and Levene 1927 A, 336 ("camels").
Schwarz, E. 1924 A, 420.
Sclater, P. L. 1866 A, 403.
Scott, W. B. 1896 D, 47, 57, 59 ("camels").
1913 A, 362, 386, 677.
1916 A, 115 ("camels").
1917 A, 174 ("camels").
1924 A, 438 ("camels").
1928 A, 330 ("camels").
Stremme, H. 1911 A, 88.
Stromer, E. 1912 A, 198.
Terra, P. 1911 A, 326.
Toldt, C. 1905 A, 332 ("cameliden").
Trouessart, E. L. 1905 A, 671.
Underhill, B. M. 1910 A, 81.
Upham, W. 1902 A, 149 ("camels").
1903 C, 22679 ("camels").
Van Bemmelen, J. F. 1918 A, 571.
Wallace, A. R. 1876 A, I, 112, 138; II, 216.
Weber, M. 1904 A, 585.
Williston, S. W. 1910 G, 595 ("camels").
Winge, H. 1906 A, 70, 97 (Camelidæ, Camelini).
Woodward, A. S. 1898 D, 336 ("camels").
1917 D, lxxi ("camels").
Zittel, K. A. 1897 A, 126 ("cameliden").
Zittel and Schlosser 1911 A, 484.
1923 A, 573.

POËBROTHERIINÆ Zittel.

Zittel, K. A. 1893 B, 361 (Poëbrotherinæ).
Hay, O. P. 1902 A, 675.
Zittel and Schlosser 1911 A, 488.
1923 A, 575.

CAMELODON Granger. Type *C. arapahovius* Granger.

Granger, W. 1910 A, 248.

Camelodon arapahovius Granger.

Granger, W. 1910 A, 248, fig. 4.
Zdansky, O. 1926 B, 8.
Upper Eocene (Uinta); Wyoming.

PROTYLOPUS Wortman. Type *P. petersoni* Wortman.

Hay, O. P. 1902 A, 675.
Abel, O. 1914 A, 169.
1919 A, 808.
Andrews, C. W. 1916 A, 2.
Beddard, F. E. 1902 A, 287.
Boas, J. E. V. 1914 B, 590.
Boule and Thevenin 1920 A, 194.
Cossmann, M. 1899 B, 83.
Granger, W. 1910 A, 249.
Gregory, W. K. 1920 A, 193.
Haug, E. 1911 A, 1528.
Kampfen, P. N. 1905 A, 596.
Lull, R. S. 1917 B, 632, 633, 634, fig. 231.
Lydekker, R. 1904 B, 26.
Matthew, W. D. 1908 A, 555.
1909 C, 103.
1910 A, 39, 42.
1915 A, 244.
1915 K, 474.
1924 E, 748.
1928 B, 980.
O'Harra, C. C. 1920 A, 137, fig. 71.
Osborn, H. F. 1905 I, 101.
1910 B, 170, 555.
Palmer, T. S. 1904 A, 587, 921.
Peterson, O. A. 1911 B, 271.
Scharff, R. F. 1911 A, 407.
Schlosser, M. 1901 D, 466.
1904 C, 95.
Scott, W. B. 1913 A, 267, 397, 398, 400, 401, figs. 213, 214.
1917 A, 115, 117.
Stehlin, H. G. 1910 A, 1088.
Terra, P. 1911 A, 327.
Troxell, E. L. 1920 A, 392.
Weber, M. 1904 A, 659, 661, 662.
Weber and Abel 1928 A, 559, 561.
Zdansky, O. 1926 B, 21, 22, 30.
Zittel and Schlosser 1911 A, 484.
1923 A, 574, 669.

Protylopus annectens Peterson.

Peterson, O. A. 1919 A, 91, pl. xxxvii, fig. 14; text-fig. 15.
Upper Eocene (Uinta); Utah.

Protylopus petersoni Wortman.

Hay, O. P. 1902 A, 675.
Abel, O. 1913 B, 742, fig. 60.
1914 A, 169, fig. 125.
1920 A, 437, fig. 663.
Beddard, F. E. 1902 A, 288.
Boule and Thevenin 1920 A, 194.
Matthew, W. D. 1909 C, 100.
O'Harra, C. C. 1920 A, 135.
Osborn, H. F. 1904 F, 15.
Peterson, O. A. 1919 A, 88, fig. 14.
Schlosser, M. 1901 D, 463.
Scott, W. B. 1913 A, 399, fig. 212.
Stromer, E. 1912 A, 200, fig. 184.
Trouessart, E. L. 1905 A, 671.
Weber, M. 1904 A, 659, fig. 473.
Weber and Abel 1928 A, 560, fig. 376.
Upper Eocene (Uinta); Utah.

EOTYLOPUS Matthew. Type *E. reedi* Matthew.

Matthew, W. D. 1910 A, 36, 42.
1915 K, 420.
1928 B, 980.
Osborn, H. F. 1910 B, 550.
Peterson, O. A. 1919 A, 92.
Scott, W. B. 1913 A, 257, 362.
Zittel and Schlosser 1923 A, 574.

Eotylopus reedi Matthew.

Matthew, W. D. 1910 A, 36, figs. 1-5.
Gregory, W. K. 1912 F, 287.
Peterson, O. A. 1912 B, 166.
Oligocene (Lower); Wyoming.

POËBROTHERIUM Leidy. Type *P. wilsoni* Leidy.

Hay, O. P. 1902 A, 675.
Abel, O. 1913 B, 742.
1914 A, 169.
1919 A, 808.
Andrews, C. W. 1916 A, 2.
Baur, G. 1886 N, 117.
Beddard, F. E. 1902 A, 288.
Boas, J. E. V. 1914 B, 591, 592, figs. 40, 41.
Boule and Thevenin 1920 A, 194.
Cope, E. D. 1880 U, 155, 156.
Depéret, C. 1907 B (Pæbrotherium).
Gaudry, A. 1891 C, 146.
Giebel, C. G. 1883 A, 135.
Gregory, W. K. 1910 A, 402.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 376.
Kampfen, P. N. 1905 A, 595.
Laloy, L. 1907 A, 586.
Leche, W. 1904 A, 220.
Lobley, J. L. 1908 A, 213.
Loomis, F. B. 1910 B, 312, 321.
1925 E, 596, figs. 9, 10.
1928 A, 137.
Lull, R. S. 1917 B, 632, 634, fig. 231.
1921 C, 393.
Lydekker, R. 1903 D, 124.
1904 B, 26, figs. 2, 3.
Matthew, W. D. 1901 B, 369, 422, 431, 441.
1903 B, 225.
1904 B, 214.
1908 A, 549, 552, 555.
1909 C, 111.

Matthew, W. D. 1910 A, 37, 40.
1915 A, 244.
1915 K, 420, 474.
1924 E, 748.
1928 B, 980.
O'Harra, C. C. 1920 A, 137, fig. 71.
Osborn, H. F. 1905 H, 222 (Proëbrotherium).
1905 I, 104, 106.
1909 D, 64.
1910 B, 220, 550.
Palmer, T. S. 1904 A, 298, 920 (Gomphotherium); 553, 921 (Poëbrotherium).
Peterson, O. A. 1904 A, 435.
1911 B, 271.
1912 B, 166.
1919 A, 89.
Pictet, F. J. 1853 A, 350.
Schlosser, M. 1901 A, 491.
1901 D, 464, 466, 467.
Schmidt, O. 1886 A, 156.
Scott, W. B. 1913 A, 688, figs. 133, 213, 214.
1917 A, 115, 117.
Sinclair, W. J. 1924 A, 129.
Terra, P. 1911 A, 327.
Trouessart, E. L. 1905 A, 671.
Troxell, E. L. 1917 B, 381.
1920 A, 392.
Wallace, A. R. 1876 A, I, 138; II, 217.
Weber, M. 1904 A, 659.
Weber and Abel 1928 A, 559, fig. 377.
Winge, H. 1906 A, 101.
Zdansky, O. 1926 B, 21, 22, 30.
Zittel and Schlosser 1911 A, 485.
1923 A, 575, 671.

Poëbrotherium andersoni Troxell.

Troxell, E. L. 1917 B, 381, figs. 1-5.
Loomis, F. B. 1928 A, 139, figs. 2, 3.
O'Harra, C. C. 1920 A, 153.
Sinclair, W. J. 1924 A, 102, 129, fig. 10.
Troxell, E. L. 1920 A, 392.
Middle Oligocene (Brule); Nebraska.

Poëbrotherium eximium Hay.

Hay, O. P. 1902 A, 675.
Abel, O. 1913 B, 742, fig. 61 (P. wilsoni).
Beddard, F. E. 1902 A, 288, fig. 150 (P. wilsoni).
Cook, H. J. 1912 D, 38.
Cossmann, M. 1899 B, 83 (P. wilsoni).
Loomis, F. B. 1928 A, 139, figs. 2, 3.
Matthew, W. D. 1904 B, 214.
1909 C, 106.
O'Harra, C. C. 1910 A, 115 (P. eximium); fig. 17 (P. wilsoni).
1920 A, 132, fig. 68 (P. wilsoni); 153 (P. eximium).
Sinclair, W. J. 1924 A, 129.
Trouessart, E. L. 1905 A, 671.
Troxell, E. L. 1917 B, 387.
Middle Oligocene (Brule); South Dakota, Colorado, Nebraska.

Protomeryx Leidy.

Hay, O. P. 1902 A, 676.
Abel, O. 1913 B, 742.
1914 A, 170.

Poëbrotherium labiatum Cope.

Hay, O. P. 1902 A, 675.
Cook, H. J. 1912 D, 38.
Cope, E. D. 1885 FF, 793, fig. 2.
1891 N, 62, 63, fig. *e*.
Cope and Matthew 1915 A, pl. cxv; pl. cxv *a*, figs. 1-12.
Loomis, F. B. 1928 A, 137, figs. 2, 3.
Lull, R. S. 1917 B, 635, fig. 232.
Matthew, W. D. 1901 B, 358, 422, 423.
1904 B, 214.
1909 C, 106.
O'Harra, C. C. 1910 A, 116.
1920 A, 153, pl. xlvi.
Schlosser, M. 1901 D, 464.
Scott, W. B. 1913 A, 395, fig. 211.
Sinclair, W. J. 1924 A, 129.
Trouessart, E. L. 1905 A, 671.
Troxell, E. L. 1917 B, 387.
Zdansky, O. 1926 B, 12, 19.
Middle Oligocene (Brule); Nebraska, Colorado.

Poëbrotherium wilsoni Leidy.

Hay, O. P. 1902 A, 676.
Abel, O. 1914 A, 169, fig. 126.
Cook, H. J. 1912 D, 38.
Cope and Matthew 1915 A, pl. cxv *a*, figs. 13-21.
Darton, N. H. 1901 A, 543.
1905 A, 45, 173.
Gervais, P. 1859 A, 360 (Poebrotherium).
Giebel, C. G. 1883 A, pl. xliv.
Lambe, L. M. 1908 A, 10, 30, pl. viii, figs. 8, 9.
Loomis, F. B. 1910 B, 309.
1924 B, 3, figs. 2, 3.
1928 A, 137, figs. 1-3.
Matthew, W. D. 1901 B, 358, 422.
1904 B, 214.
1909 C, 106.
O'Harra, C. C. 1910 A, 17, 115, fig. 3.
1920 A, 24, 132, 135, pl. xlvi; text-figs. 2, 68.
Osborn, H. F. 1904 F, 15.
Schlosser, M. 1901 D, 464.
Scott, W. B. 1913 A, 399, fig. 212.
Sinclair, W. J. 1924 A, 129.
Trouessart, E. L. 1905 A, 671.
Troxell, E. L. 1917 B, 387.
Zdansky, O. 1926 B.
Zittel and Schlosser 1911 A, 485, fig. 676.
1923 A, 574, fig. 717.
Middle Oligocene (Brule); S. Dakota, Colorado, Nebraska.

Poëbrotherium sp. indet.

Matthew, W. D. 1901 B, 356, 369, 422.
1909 C, 114. Lower Miocene (Fort Logan); Montana.
Sinclair, W. J. 1924 A, 102. Oligocene (White River); South Dakota.

Type *P. halli* Leidy.

Abel, O. 1919 A, 808.
1926 B, 359.
Beddard, F. E. 1902 A, 289 (Gomphotherium).

Giebel, C. G. 1883 A, 135.
Kampfen, P. N. 1905 A, 595 (Gomphotherium).
Loomis, F. B. 1911 B, 65.
Lull, R. S. 1917 B, 634, 636.
1921 C, 404 (Protomeryx, Gomphoides).
Lydekker, R. 1904 B, 27 (Gomphotherium).
Matthew, W. D. 1901 B, 370, 422 (Protomeryx, Gomphotherium).
1904 B, 212, 214 (Protomeryx, Gomphotherium).
1909 C, 120.
1915 A, 244.
Merriam and Sinclair 1903 A, 95.
Osborn, H. F. 1909 D, 134.
1910 B, 286.
1912 G, 247, 249.
Palmer, T. S. 1904 A, 583, 921.
Peterson, O. A. 1904 A, 472.
Schlosser, M. 1901 D, 464 (Gomphotherium).
Scott, W. B. 1913 A, 241, 251, 391.
Trouessart, E. L. 1905 A, 672.
Troxell, E. L. 1917 B, 381 (Gomphotherium).
Wallace, A. R. 1876 A, I, 138; II, 217.
Weber, M. 1904 A, 660.
Weber and Abel 1928 A, 560.
Winge, H. 1906 A, 102 (Gomphotherium).
Zittel and Schlosser 1923 A, 575, 672.

Protomeryx campester Matthew.

Matthew, W. D. 1901 B, 422.
1901 B, 214.
Trouessart, E. L. 1905 A, 672.
Upper Oligocene; Colorado.

Protomeryx cedrensis Matthew.

Matthew, W. D. 1901 B, 358, 422, text-fig. 26.
Cook, H. J. 1912 D, 43 (This species?).
Matthew, W. D. 1909 C, 114 (This genus?).
Peterson, O. A. 1906 C, 24, 32.
Trouessart, E. L. 1905 A, 672.
Lower Miocene (Upper Harrison); Nebraska.

Protomeryx halli Leidy.

Hay, O. P. 1902 A, 676.
Matthew, W. D. 1901 B, 358.
1904 B, 214.
1909 C, 114.
O'Harra, C. C. 1920 A, 157.
Lower Miocene (Upper Rosebud); South Dakota.

Protomeryx leonardi Loomis.

Loomis, F. B. 1911 B, 68, fig. 3.
Cook, H. J. 1912 D, 43.
O'Harra, C. C. 1920 A, 157.
Lower Miocene (Upper Harrison); Nebraska.

Protomeryx sp. indet.

Matthew, W. D. 1909 C, 114. Miocene (Lower); South Dakota.
Sinclair, W. J. 1904 B, 10. Oligocene (John Day); Oregon.
Smith, D. T. 1904 A, 10. Tertiary (Miocene or Pliocene); Nevada.

PSEUDOLABIS Matthew. Type *P. dakotensis* Matthew.

Matthew, W. D. 1904 B, 211, 215.
Haug, E. 1911 A, 1529.
Matthew, W. D. 1909 C, 111.
Osborn, H. F. 1905 I, 104.
1910 B, 227, 550.
Trouessart, E. L. 1905 A, 671.

Pseudolabis dakotensis Matthew.

Matthew, W. D. 1904 B, 211, 215.
Cook, H. J. 1912 D, 39 (Pseudolobis).
Lull, R. S. 1921 C, 393.
Matthew, W. D. 1909 C, 109.
O'Harra, C. C. 1910 A, 116.
1920 A, 154.
Upper Oligocene (Brule); region of South Dakota, Nebraska, Wyoming.

Pseudolabis matthewi Lull.

Lull, R. S. 1921 C, 392, fig. 1 [Pseudolabis (Paralabis, new subg.)].
Upper Oligocene (Protoceras); South Dakota.

OXYDACTYLUS Peterson. Type *O. longipes* Peterson.

Peterson, O. A. 1904 A, 434.
Abel, O. 1926 B, 359.
Andrews, C. W. 1916 A, 2.
Barbour, E. H. 1906 C, 781.
Haug, E. 1911 A, 1705.
Lull, R. S. 1917 B, 634, 637, fig. 234.
1921 C, 404.
Loomis, F. B. 1909 B, 196.
1910 B, 312.
1911 B, 65.
1925 E, 591, figs. 5, 6, 9, 10.
1928 A, 139.
Matthew, W. D. 1904 B, 214.
1909 C, 120.
1915 A, 244.
1924 C, 186.
1924 E, 748.
O'Harra, C. C. 1920 A, 136.
Osborn, H. F. 1907 F, 872.
Osborn, H. F. 1909 D, 72, 74, 78.
1910 B, 236, 286, 291, 550; fig. 144.
1912 G, 247, 249.
1918 A, 13.
Peterson, O. A. 1906 C, 22.
1908 A, 289.
1912 B, 167.
Riggs, E. S. 1909 A, 196.
Scott, W. B. 1913 A, 241, 391.
Sellards, E. H. 1916 B, 92.
Trouessart, E. L. 1905 A, 673.
Zittel and Schlosser 1923 A, 575, 672.

Oxydactylus brachyodontus Peterson.

Peterson, O. A. 1904 A, 469, pls. xi-xiv.
Cook, H. J. 1912 D, 43.
Loomis, F. B. 1911 B, 66.
Matthew, W. D. 1904 B, 214.
1909 C, 114 (O. brachyceps).

O'Harra, C. C. 1920 A, 158 (O. brachyceps).
Trouessart, E. L. 1905 A, 673.
Lower Miocene (Upper Harrison); Nebraska.

Oxydactylus campestris Cook, H. J.

Cook, H. J. 1909 B, 188.
1912 D, 41.
Loomis, F. B. 1911 B, 68.
O'Harra, C. C. 1920 A, 158.
Lower Miocene (Lower Harrison); Nebraska.

Oxydactylus gibbi Loomis.

Loomis, F. B. 1911 B, 67, fig. 2.
Cook, H. J. 1912 D, 43.
O'Harra, C. C. 1920 A, 158.
Lower Miocene (Upper Harrison); Wyoming.

Oxydactylus longipes Peterson.

Peterson, O. A. 1904 A, 434, pls. iv-x, xv.
Cook, H. J. 1909 B, 188.
1912 D, 43.
Davidson, P. 1923 A, 400, 407.
Loomis, F. B. 1911 B, 66.
Lull, R. S. 1921 C, 402, 403.
Matthew, W. D. 1904 B, 214.
1909 C, 114.
O'Harra, C. C. 1910 A, 115, pl. xlix.
1920 A, 133, fig. 69; 157.
Peterson, O. A. 1908 A, 288.
1911 B, 270.
Scott, W. B. 1913 A, 392, 393, figs. 209, 210.
Trouessart, E. L. 1905 A, 673.
Zdansky, O. 1926 B.
Lower Miocene (Upper Harrison); Nebraska.

Oxydactylus longirostris Peterson.

Peterson, O. A. 1911 A, 260, pl. xxxvii-xl.
Cook, H. J. 1912 D, 43.
O'Harra, C. C. 1920 A, 158.
Lower Miocene (Upper Harrison); Nebraska.

Oxydactylus lulli Loomis.

Loomis, F. B. 1911 B, 66, fig. 1.
Cook, H. J. 1912 D, 43.
O'Harra, C. C. 1920 A, 158.
Lower Miocene (Upper Harrison); Wyoming, Nebraska.

Oxydactylus sp. indet.

Barbour and Cook 1917 A, 172. Pliocene (Devil's Gulch); Nebraska.
Loomis, F. B. 1923 A, 222. Miocene (Lower Harrison); Nebraska.
Osborn, H. F. 1919 A, 16. Miocene (Alum Bluff); Florida.
Sellards, E. H. 1916 B, 89, pl. ii, fig. 4. Miocene (Alum Bluff); Florida.

MIOLABINÆ Hay.

Hay, O. P. 1902 A, 676.
Palacký, J. 1903 B, 312, 318 ("protolabinen").
Trouessart, E. L. 1905 A, 672 (Camelopsinæ).
Zittel and Schlosser 1911 A, 485 (Protolabinæ).
1923 A, 570 (Protolabinæ).

MIOLABIS Hay. Type *Protolabis transmontanus* Cope.

Hay, O. P. 1902 A, 676.
Abel, O. 1913 B, 743 (Protolabis).
Lull, R. S. 1921 C, 404.
Matthew, W. D. 1901 B, 424 (Protolabis, Miolabis).
1904 B, 211, 214.
1907 A, 173, 176.
1909 C, 120.
1915 A, 244.
1924 C, 70.
Osborn, H. F. 1909 D, 66, 74, 78.
1910 B, 294, 550.
Palmer, T. S. 1904 A, 426, 921.
Scott, W. B. 1913 A, 391.
Trouessart, E. L. 1905 A, 672 (Subg. of Protolabis).
Weber, M. 1904 A, 660.
Winge, H. 1906 A, 102.

Miolabis tenuis Matthew.

Matthew, W. D. 1924 C, 67, 191, fig. 56.
Middle Miocene (Sheep Creek); Nebraska.

Miolabis transmontanus (Cope).

Hay, O. P. 1902 A, 676.
Cope, E. D. 1891 N, 81, fig. 59 (Protolabis).
Cope and Matthew 1915 A, pl. cliii, figs. 1, 2 (Protolabis, Miolabis).
Dall and Harris 1892 A, 282 (Protolabis).
Matthew, W. D. 1901 B, 423, 424, 426, 427 (Protolabis).
1904 B, 214.
1907 A, 176.
1909 C, 115.
1924 C, 190.
Merriam and Sinclair 1907 A, 196.
Palacký, J. 1903 B, 312 (Protolabis).
Schlosser, M. 1901 D, 464, 467 (Protolabis).
Trouessart, E. L. 1905 A, 672.
Middle Miocene (Mascall); Oregon.

PARATYLOPUS Matthew. Type *P. primævus* Matthew.

Matthew, W. D. 1904 B, 211 (Subgenus of Miolabis).
Boule and Thevenin 1920 A, 194.
Cook, H. J. 1912 D, 38.
Haug, E. 1911 A, 1528, 1705.
Lull, R. S. 1917 B, 634, 637.
Matthew, W. D. 1908 A, 552.
1909 C, 111.
Osborn, H. F. 1905 H, 222.
1905 I, 104.
1909 D, 66.
1912 G, 246.

Thorpe, M. R. 1921 A, 222.
Trouessart, E. L. 1905 A, 672 (Subg. of Protolabis).
Winge, H. 1906 A, 102.
Zittel and Schlosser 1911 A, 485.
1923 A, 575, 672.

Paratylopus cameloides (Wortman).

Hay, O. P. 1902 A, 676 (Protomeryx).
Lull, R. S. 1921 C, 394, figs. 2-4 [P. (Gomphotherium)].
Matthew, W. D. 1901 B, 214 (Miolabis).
1909 C, 109.
Merriam, J. C. 1901 A, 297 (Gomphotherium. This species?).
Merriam and Sinclair 1907 A, 187, 191, 192 [Miolabis (Paratylopus)].
Osborn, H. F. 1909 D, 68.
Peterson, O. A. 1904 A, 469 (Protomeryx).
Schlosser, M. 1901 D, 464 (Gomphotherium).
Trouessart, E. L. 1905 A, 672.
Upper Oligocene (John Day); Oregon.

Paratylopus primævus Matthew.

Matthew, W. D. 1904 B, 211, 214 [Miolabis (Paratylopus)].
1909 C, 106.
O'Harra, C. C. 1920 A, 153.
Trouessart, E. L. 1905 A, 672.
Middle Oligocene (Brule); South Dakota.

Paratylopus sternbergi (Cope).

Hay, O. P. 1902 A, 676 (Protomeryx).
Cope and Matthew 1915 A, pl. cxvi (Poëbrotherium; Paratylopus).
Lull, R. S. 1921 C, 395.
Matthew, W. D. 1901 B, 423 (Protomeryx).
1904 B, 214 (Miolabis).
1909 C, 109.
Merriam and Sinclair 1907 A, 187 [Miolabis (Paratylopus)].
Osborn, H. F. 1909 D, 68.
Schlosser, M. 1901 D, 464, 466 (Gomphotherium).
Sternberg, C. H. 1881 A, 541 (Protomeryx).
1909 C, 188.
Trouessart, E. L. 1905 A, 672.
Troxell, E. L. 1917 B, 388 (Gomphotherium).
Zittel and Schlosser 1911 A, 485, fig. 677.
1923 A, 575, fig. 718.
Upper Oligocene (John Day); Oregon.

Paratylopus wortmani Lull.

Lull, R. S. 1921 C, 400, fig. 5.
Zdansky, O. 1926 B, 3.
Upper Oligocene (Upper John Day); Oregon.

Procamelus Leidy. Type *P. occidentalis* Leidy.

Hay, O. P. 1902 A, 677.
Abel, O. 1913 B, 743.
1914 A, 170.
1919 A, 808.
Andrew, C. W. 1916 A, 2.
Baur, G. 1886 N, 117.
Beddard, F. E. 1902 A, 289.
Boas, J. E. V. 1914 B, 592, fig. 40.
Boule and Thevenin 1920 A, 194.
Cope, E. D. 1880 U, 157.
Davidson, P. 1923 A, 400.
Douglass, E. 1907 B, 98.
1909 A, 477.
Freudenberg, W. 1922 A, 10.
Frick, C. 1926 A, 20.
Giebel, C. G. 1883 A, 135.
Gilbert, F. 1910 B, 37.
Gregory, W. K. 1920 A, 187, fig. 151.
Haug, E. 1911 A, 1705, 1706.
Hay, O. P. 1917 I, 212 ("Camelus").
1918 B, 25.
1919 D, 373.
1923 A, 494.
1925 D, 245.
Hay, R. 1890 A, 16 (Camelus).
Heilprin, A. 1887 A, 376.
Laloy, L. 1907 A, 586.
Lee, Stone, Gale 1915 A, 34.
Lull, R. S. 1917 B, 632, 634, 636, fig. 231.
Lydekker, R. 1904 B, 27.
Matthew, W. D. 1901 B, 423, 426, 427.
1904 B, 215.
1909 C, 120.
1910 G, 155.
1915 A, 244.
1918 A, 216.
1924 E, 748.
Matthew and Cook 1909 A, 367, 405, 407.
Merriam, J. C. 1907 A, 381.
1915 F, 257 (Procamelas).
1917 A, 443.
O'Harra, C. C. 1920 A, 136.
Osborn, H. F. 1909 D, 79, 80, 81.
1910 B, 628.
1912 G, 248.
1918 A, 23, 24, 26, 27, 29, 33.
Palmer, T. S. 1904 A, 565, 921.
Pavlow, M. 1904 A, 118, 127.
Peterson, O. A. 1904 A, 471.
Schlosser, M. 1901 D, 464, 466.
1903 I, 97.
Schmidt, O. 1886 A, 156.
Schuchert, C. 1910 A, 599.
Scott, W. B. 1913 A, 391, 400, 401, figs. 213, 214.
1917 A, 115, 117.
Sellards, E. H. 1914 A, 162.
1916 B, 94.
Terra, P. 1911 A, 326.
Trouessart, E. L. 1905 A, 673.
Troxell, E. L. 1917 B, 385.
Wallace, A. R. 1876 A, I, 130, 138; II, 217.
Weber, M. 1904 A, 660.
Weber and Abel 1928 A, 560, 561.
Winge, H. 1906 A, 103.
Woodward, A. S. 1898 D, 332.
Zittel and Schlosser 1911 A, 485.
1923 A, 575, 673, 679, 680.

Procamelus benedentatus Hay.

Hay, O. P. 1924 A, 12, pl. v.
Upper Miocene (Fleming); Texas.

Procamelus castilli "Cope."

Villada, M. M. 1903 A, 448 (Auchenia).
Not otherwise known to the present writer.

Procamelus coconinensis Hay.

Hay, O. P. 1921 A, 622, pl. cxxii, figs. 4-6; pl. cxxiii, fig. 5.
1921 B, 403 ("camel").
1922 A, 446 ("camel").
1923 A, 9.
1927 D, 129.
Pleistocene (Nebraskan?); Arizona.

Procamelus concerptus Hay.

Hay, O. P. 1924 A, 11, pl. iv.
Upper Miocene (Fleming); Texas.

Procamelus edensis edensis Frick.

Frick, C. 1921 A, 367, 371, figs. 74, 81.
Stock, C. 1925 A, 21.
Pliocene (Eden); California.

Procamelus edensis raki Frick.

Frick, C. 1921 A, 370, 386, figs. 76-79, 82.
Stock, C. 1925 A, 21.
Pliocene (Eden); California.

Procamelus elrodi Douglass.

Douglass, E. 1909 B, 159, pls. ix-xi.
Scott, W. B. 1913 A, 232, fig. 126.
Upper Miocene; Montana.

Procamelus gracilis Leidy.

Hay, O. P. 1902 A, 677.
Frick, C. 1921 A, 374.
Gidley, J. W. 1903 C, 634.
Hay, O. P. 1924 A, 12.
Louderback, G. D. 1924 A, 9 (This species?).
Mansuy, —— 1923 A, 102 (P. granilis).
Matthew, W. D. 1901 B, 423, 426, 427.
1909 C, 117.
1918 A, 187 (This species?).
1924 C, 67 (This genus and species?).
Merriam, J. C. 1916 A, 189, figs. 30-34 (This species?).
1919 A, 453 (This species?).
Scott, W. B. 1913 A, 399, fig. 212.
Trouessart, E. L. 1905 A, 673.
Weber and Abel 1928 A, 560.
Upper Miocene (Arikaree); Nebraska; California, New Mexico, Texas.

Procamelus inæquidens Matthew.

Matthew, W. D. 1915 in Cope and Matthew 1915 A, pl. cliv, figs. 1-3 (Procamelus, Protolabis).
Upper Miocene (Republican River); Nebraska.

Procamelus lacustris Douglass.

Hay, O. P. 1902 A, 677.
Douglass, E. 1903 A, 154.
Matthew, W. D. 1901 B, 423.
1909 C, 117.
Trouessart, E. L. 1905 A, 673.
Miocene (Madison Valley); Montana.

Procamelus leptognathus Cope.

Hay, O. P. 1902 A, 678.
Dumble, E. T. 1894 A, 556.
Gidley, J. W. 1903 C, 634.
Hay, O. P. 1924 A, 10, 15, pl. ii, fig. 5; pl. iii, fig. 4.
Matthew, W. D. 1901 B, 423.
1909 C, 117.
Montgomery, T. H. 1904 A, 57.
Upper Miocene (Clarendon, Fleming); Texas.

Procamelus longurio Hay.

Hay, O. P. 1921 A, 624, pl. cxx, fig. 8; pl. cxxiii, figs. 3, 4; pl. cxxiv, fig. 4.
1921 B, 403 ("camel").
1922 A, 446 ("camel").
1923 A, 9.
1927 D, 97, 129.
Pleistocene (Nebraskan?); Arizona.

Procamelus madisonius Douglass.

Hay, O. P. 1902 A, 678.
Douglass, E. 1903 A, 154.
1909 B, 164, figs. 1, 2.
Matthew, W. D. 1901 B, 423.
1909 C, 117.
Trouessart, E. L. 1905 A, 673.
Miocene (Madison Valley); Montana.

Procamelus major (Leidy).

Hay, O. P. 1902 A, 678.
1921 A, 608, 622, 637.
1923 A, 494.
1927 D, 104, 105.
Lindgren and Drake 1904 A, 3 (P. major? This species?).
Matson and Clapp 1909 A, 136 (Auchenia); 137 (Procamelus, Pliauchenia).
Matthew, W. D. 1909 C, 117.
Merriam, J. C. 1917 A, 432 (This species?); 439.
Merrill, G. P. 1907 A, 24 (Auchenia); 55 (Procamelus).
Sellards, E. H. 1916 B, 94.
Spencer, J. W. 1895 A, 136.
Trouessart, E. L. 1905 A, 673.
Pliocene or Pleistocene? (Alachua, Bone Valley); Florida. (Idaho?); Idaho.

Procamelus minimus (Leidy).

Hay, O. P. 1902 A, 678.
Felix and Lenk 1891 A, 126, pl. xxx, fig. 2 (Auchenia. This species?).
Freudenberg, W. 1921 A, 139 (Auchenia. This species?).
1922 A, 5 (Auchenia. This species?).
Hay, O. P. 1921 A, 637.
1923 A, 494.
Matson and Clapp 1909 A, 136 (Auchenia).
Matthew, W. D. 1909 C, 117.
Merrill, G. P. 1907 A, 24 (Auchenia); 55, 56 (Procamelus).
Spencer, J. W. 1895 A, 136.
Trouessart, E. L. 1905 A, 673.
Villada, M. M. 1903 A, 448 (Auchenia).
Pliocene? or Pleistocene? (Alachua; Florida Mexico?

Procamelus minor (Leidy).

Hay, O. P. 1902 A, 678.
Allen, G. M. 1926 A, 452.
Hay, O. P. 1919 C, 106.
1921 A, 637.

Hay, O. P. 1923 A, 494.
Matson and Clapp 1909 A, 136 (Auchenia); 137 (Procamelus minor, P. medius; Pliauchenia minor, P. media).
Matthew, W. D. 1909 C, 117.
Merriam, J. C. 1917 A, 439 (P. minor, P. medius).
Merrill, G. P. 1907 A, 24 (Auchenia); 56 (Procamelus).
Sellards, E. H. 1916 B, 94, 100, 103 (P. minor); 94 (P. medius).
Spencer, J. W. 1895 A, 136.
Trouessart, E. L. 1905 A, 673.
Pliocene? or Pleistocene? (Alachua); Florida.

Procamelus occidentalis Leidy.

Hay, O. P. 1902 A, 678.
Barbour and Cook 1917 B, 180.
Baur, G. 1886 N, 118.
Beddard, F. E. 1902 A, 289.
Black, D. 1915 A, 350, fig. 14.
Cope, E. D. 1885 FF, 798, fig. 9.
Felix and Lenk 1891 A, 126, 137, pl. xxx, fig. 2 (Auchenia minima?).
Gidley, J. W. 1904 A, 245.
Matthew, W. D. 1901 B, 423, 426, 427 (Procamelus); 424 (Protolabis).
1909 C, 117.
1918 A, 187 (This species?).
Merrill, G. P. 1907 A, 41 (Homocamelus caninus); 56 (P. occidentalis).
O'Harra, C. C. 1920 A, 159.
Osborn, H. F. 1904 I, 35 (Camelus).
Schlosser, M. 1901 D, 465.
Trouessart, E. L. 1905 A, 673.
Zdansky, O. 1926 B.
Miocene (Arikaree); South Dakota, Nebraska: Pliocene (Snake Creek and Valentine); Nebraska.

Procamelus robustus Leidy.

Hay, O. P. 1902 A, 678.
Barbour and Cook 1917 B, 180 (This species?).
Gidley, J. W. 1903 C, 634.
1904 A, 245.
Matthew, W. D. 1901 B, 358, 423, 426 (P. robustus); 423, 424 (P. prehensilis).
1918 A, 187 (This species?).
Merrill, G. P. 1907 A, 56, 57.
O'Harra, C. C. 1920 A, 159.
Schlosser, M. 1901 D, 464.
Trouessart, E. L. 1905 A, 673.
Miocene (Arikaree); South Dakota, Nebraska, Texas: Pliocene? (Snake Creek and Valentine); Nebraska.

Procamelus sp. indet.

Barbour and Cook 1917 A, 172. Pliocene (Devil's Gulch); Nebraska.
Cook, H. J. 1912 D, 45. Pliocene (Snake Creek); Nebraska.
Cope, E. D. 1885 M, 494. Miocene; Mexico.
Deussen, A. 1924 A, 97 (This genus?). Miocene (Oakville); Texas.
Douglass, E. 1903 A, 153. Miocene (Flint Creek); Montana.
Freudenberg, W. 1921 A, 131.
1922 A. Pliocene; Mexico.
Frick, C. 1921 A, 321, 322, figs. 30, 31 ("camelid," This genus?). Pliocene (San Timoteo); California: 365, 367, fig. 73; 372, fig. 86; 373, figs. 87, 88; 374, figs. 89, 90; 375, figs. 73, 93, 94; 376, pl. xlviii, fig. 3; text-figs. 92-94 (This genus?). Pliocene (Eden); California.
Gidley, J. W. 1918 C, 180. Late Tertiary (Flaxville); Montana.
1922 B, 120 (This genus?). Pleistocene (San Pedro Valley); Arizona.
Gilbert, G. K. 1875 A, 543 Pliocene?; New Mexico.
Hay, O. P. 1923 A, 494.
1924 D, 169, 312. Pliocene? Montana.
1927 D, 311. Pleistocene; Arizona, California, Idaho, Oregon.
Lucas, F. A. 1900, in Lindgren, W. 1900 A, 99 ("P. major"). Pleistocene? Idaho.
1900 H, 99. Pleistocene? Idaho.
Lull, R. S. 1920 A, 85. Miocene or Pliocene; Nebraska.
Matthew, W. D. 1909 C, 117.
1915 L, 472 (This genus?). Miocene (Fleming); Texas.
1923 A, 12 (This genus?). Lower Pliocene (Upper Snake Creek); Nebraska.
Merriam, J. C. 1911 E, 168 (This genus?). Upper Miocene; California.
1913 E, 381, fig. 6 (This genus?). Miocene (Orindan); 227, fig. 44 (This genus?). Pleistocene (Etchegoin); California.
1914 C, 646. Miocene (Temblor); California.
1915 E, 197, 202, figs. 16-18, 31, 44 (This genus?).
1917 A, 425 (This genus?); 426, 428, 431, 432, 438.
1919 A, 525, 527. Lower Pliocene (Ricardo); Upper Miocene (Barstow); California; 450, 513, 579, figs. 90-99, 103, 105, 216-220 (This genus?).
Sinclair, W. J. 1904 B, 10 ("camel"; this genus?). "Tertiary"; Nevada.
1915 A, 77 (This genus?); Nebraska.
Stock, C. 1921 A, 290, figs. 10, 11 (Alticamelus? or Procamelus?). Pliocene? (Panaca); Nevada.
1924 B, 54. Upper Miocene (Mint Canyon); California: 79. Lower Pliocene (Pico); California.
1925 A, 18. Lower Pliocene (Rattlesnake); Oregon: 21 (Eden); California.
Young and Cooper 1927 A, 1 (This genus?). Pliocene.

ALTICAMELUS Matthew. Type *Procamelus altus* Marsh.

Matthew, W. D. 1901 B, 426, 429.
Andrews, C. W. 1916 A, 2.
Haug, E. 1911 A, 1705, 1706.
Knipe, H. R. 1912 A, 158, fig.
Lull, R. S. 1904 C, 9.
Lull, R. S. 1917 B, 634, 638.
Lydekker, R. 1904 B, 28 (Alticamelas).
Matthew, W. D. 1904 B, 215.
1909 C, 120.
1910 G, 155.

Matthew, W. D. 1918 A, 216.
1924 C, 70, 186.
1924 E, 748.
Matthew and Cook 1909 A, 367, 402, 405.
Merriam, J. C. 1915 F, 257.
Osborn, H. F. 1905 D, 316.
1905 H, 222.
1905 I, 107.
1909 D, 78, 81.
1910 B, 605, fig. 169.
1912 G, 250.
1918 A, 29.
Palmer, T. S. 1904 A, 90, 920.
Peterson, O. A. 1904 A, 472.
1912 B, 167.
Schlosser, M. 1903 I, 96.
Schuchert and Levene 1927 A, 337, fig.
Scott, W. B. 1913 A, 234, 388, 391, 675.
Weber and Abel 1928 A, 561.
Winge, H. 1906 A, 103.
Zittel and Schlosser 1911 A, 486.
1923 A, 575, 673.

Alticamelus alexandræ Davidson.

Davidson, P. 1923 A, 399, figs. 1-16.
Upper Miocene (Barstow); California.

Alticamelus altus (Marsh).

Hay, O. P. 1902 A, 677 (Procamelus).
Matthew and Cook 1909 A, 402 (Procamelus).
Merriam, J. C. 1917 A, 428.
Merriam and Sinclair 1907 A, 196.
Osborn, H. F. 1918 A, 30.
Stock, C. 1925 A, 18.
Trouessart, E. L. 1905 A, 673 (A. altus, in part).
Miocene (Mascall); Pliocene (Rattlesnake); Oregon.

Alticamelus giraffinus Matthew.

Matthew, W. D. in Matthew and Cook 1909 A, 402.
Davidson, P. 1923 A, 400, 401, 402, 406.
Douglass, E. 1909 B, 162 (A. altus).
Frick, C. 1921 A, 362.
Matthew, W. D. 1901 B, 358, 423 (Procamelus altus); 426, 430, pl. xxxix (A. altus).
1909 C, 115 (A. altus).
1924 C, 72.
Osborn, H. F. 1904 F, 5, 15 (A. altus).
1909 D, 81 (A. altus).
1910 B, 293, fig. 145 (A. altus).
Peterson, O. A. 1904 A, 472 (A. altus).
Scott, W. B. 1913 A, 236, fig. 127 (A. altus).
Trouessart, E. L. 1905 A, 673 (A. altus).
Upper or Middle Miocene (Pawnee Creek); Colorado.
The authors cited as using the name *A. altus* have doubtless had in mind the type of Matthew's *A. giraffinus*.

Alticamelus priscus Matthew.

Matthew, W. D. 1924 C, 67, 187.
Middle Miocene (Sheep Creek); Nebraska.

Alticamelus procerus Matthew and Cook.

Matthew and Cook 1909 A, 402, figs. 19, 20.
Cook, H. J. 1912 D, 45.
Davidson, P. 1923 A, 400, 401, 402, 406.
Frick, C. 1921 A, 362.
Matthew, W. D. 1918 A, 187.
1923 A, 12 (This species?).
1924 C, 67, 186.
Merriam, J. C. 1917 A, 436.
Sinclair, W. J. 1915 A, 77.
Upper Miocene (Lower Snake Creek); Nebraska.

Alticamelus sp. indet.

Barbour and Cook 1917 A, 172. Pliocene (Devil's Gulch); Nebraska.
Cook, H. J. 1922 B, 12, 29, fig. Pliocene (Snake Creek); Colorado. (This genus?).
Dumble, E. T. 1920 A, 231 (This genus?). Neocene (Fleming); Texas.
Matthew, W. D. 1915 L, 471 (This genus?). Miocene (Fleming); Texas.
1920 E, 231 (This genus?). Neocene (Fleming); Texas.
Matthew and Cook 1909 A, 405, 407. Pliocene (Snake Creek); Nebraska.
Merriam, J. C. 1917 A, 431 (This genus?). Pliocene (Ricardo); California; 437. Pliocene (Snake Creek); Nebraska.
1919 A, 450, 512, 527, 579, figs. 100, 104, 110, 216, 217, 221, 223, 228-230 (This genus?). Miocene (Barstow) and Pliocene (Ricardo); California.
Merriam, Stock, Moody 1925 A, 59, 87, figs. 41, 42 (This genus?). Pliocene (Rattlesnake); Oregon.
Sinclair, W. J. 1915 A, 77. Pliocene (Snake Creek); Nebraska.
Stock, C. 1921 A, 290, figs. 10, 11 (Alticamelus? or Procamelus?). Pliocene? (Panaca); Nevada.
Young and Cooper 1927 A, 5, fig.

Protolabis Cope. Type *P. heterodontus* Cope.

Cope, E. D. 1876 G, 144.
Hay, O. P. 1902 A, 677 (Procamelus, in part).
Abel, O. 1914 A, 170.
1919 A, 808.
Beddard, F. E. 1902 A, 289.
Boas, J. E. V. 1914 B, 591, fig. 40.
Boule and Thevenin 1920 A, 194.
Cope, E. D. 1880 U, 157.
Depéret, C. 1907 B.
Douglass, E. 1909 A, 477.
Haug, E. 1911 A, 1706.
Hay, O. P. 1924 A, 13.
Howes, G. B. 1902 A, 523.
Laloy, L. 1907 A, 586.
Loomis, F. B. 1928 A, 139.
Lydekker, R. 1904 B, 27.
Matthew, W. D. 1901 B, 374, 424, 426, 432.
1904 B, 214.
1909 C, 120.
1915 A, 244.
1918 A, 216.
1924 E, 748.
Osborn, H. F. 1909 D, 78.
1910 B, 299, 550.

Palmer, T. S. 1904 A, 583, 921.
Pavlow, M. 1904 A, 127.
Peterson, O. A. 1904 A, 471.
1906 C, 22.
Schlosser, M. 1901 D, 466.
1903 I, 96, 184.
Schmidt, O. 1886 A, 156 (Protolabos).
Scott, W. B. 1913 A, 391.
Trouessart, E. L. 1905 A, 672.
Winge, H. 1906 A, 103.
Zittel and Schlosser 1911 A, 485.
1923 A, 575, 673.

Protolabis angustidens (Cope).

Hay, O. P. 1902 A, 677 (Procamelus).
Beddard, F. E. 1902 A, 290 (Procamelus).
Cook, H. J. 1912 D, 43.
Cope and Matthew 1915 A, pl. cliv, fig. 4 (Procamelus, Protolabis).
Matthew, W. D. 1901 B, 358, 426, 427, 434.
1909 C, 115.
1924 C, 67, 72, 187.
Trouessart, E. L. 1905 A, 672.
Zdansky, O. 1926 B, 3, 4 (Procamelus).
Upper Miocene (Pawnee Creek); Colorado: Upper and Middle Miocene (Snake Creek, Sheep Creek); Nebraska.

Protolabis fissidens (Cope).

Hay, O. P. 1902 A, 677 (Procamelus).
Cook, H. J. 1912 D, 43 (Procamelus. This species?).
Hay, O. P. 1924 A, 13 (Procamelus).
Matthew, W. D. 1901 B, 426, 427, 428 (Procamelus).
1909 C, 115 (Procamelus).
1924 C, 67 (Miolabis); 186, 190 (Protolabis).
Trouessart, E. L. 1905 A, 673 (Procamelus).
Upper Miocene (Pawnee Creek); Colorado: (Lower Snake Creek); Nebraska.

Protolabis francisi Hay.

Hay, O. P. 1924 A, 13, pl. iii, figs. 5-8; pl. vi.
Upper Miocene (Fleming); Texas.

Protolabis heterodontus (Cope).

Hay, O. P. 1902 A, 677 (Procamelus).
Cope and Matthew 1915 A, pl. cliii, figs. 3, 4.
Matthew, W. D. 1901 B, 359, 424, 426, 427, 433.
1909 C, 115.
Schlosser, M. 1901 D, 464.
Trouessart, E. L. 1905 A, 672.
Middle Miocene (Pawnee Creek); Colorado.

Protolabis longiceps Matthew.

Matthew, W. D. 1909 C, 115.
Hay, O. P. 1924 A, 13.
Matthew, W. D. 1901 B, 358, 426 (in part), 427, 433, 438, 439, text-figs. 31-33 (P. montanus, not of Douglass).
1924 C, 190, 191 (Protolabis, Miolabis).
Sinclair, W. J. 1915 A, 87.
Upper Miocene (Pawnee Creek); Colorado.

Protolabis montanus Douglass.

Hay, O. P. 1902 A, 678 (Procamelus).
Douglass, E. 1903 A, 154.
Matthew, W. D. 1901 B, 423, 426 (in part).
1909 C, 115, 117.
Osborn, H. F. 1904 F, 15.
Trouessart, E. L. 1905 A, 672.
Zdansky, O. 1926 B, 5.
Middle Miocene (Madison Valley); Montana.

Protolabis princetonianus Sinclair.

Sinclair, W. J. 1915 A, 75, 77, 87, figs. 12, 13.
Hay, O. P. 1924 A, 13.
Matthew, W. D. 1918 A, 187.
1924 C, 186 (Syn. of P. fissidens).
Merriam, J. C. 1917 A, 436.
Lower Pliocene (Snake Creek); Nebraska.

Protolabis pusillus Matthew.

Matthew, W. D. 1921 C, 67 (Nom. nud.).
Middle Miocene (Sheep Creek); Nebraska.

Protolabis saxeus Matthew.

Matthew, W. D. 1924 C, 67, 190.
Middle Miocene (Sheep Creek); Nebraska.

Protolabis serus (Douglass).

Douglass, E. 1900 A, 12, pl. i, fig. 1 (Gomphotherium).
Hay, O. P. 1902 A, 676 (Protomeryx).
Douglass, E. 1903 A, 154 (Gomphotherium).
Matthew, W. D. 1901 B, 423 (Protomeryx).
1909 C, 117.
Trouessart, E. L. 1905 A, 672 (Protomeryx).
Middle Miocene (Madison Valley); Montana.

Protolabis sp. indet.

Deussen, A. 1924 A, 97 (This genus?). Miocene (Oakville); Texas.
Dumble, E. T. 1920 A, 237 (May be Procamelus). Miocene (Fleming); Texas.
Matthew, W. D. 1915 L, 472 (This genus?). Miocene (Fleming); Texas.
1920 E, 237 (May be Procamelus). Miocene (Fleming); Texas.

PLIAUCHENIA Cope. Type *P. humphreysiana* Cope.

Hay, O. P. 1902 A, 679.
Abel, O. 1913 B, 743.
1914 A, 170.
Boas, J. E. V. 1914 B, 593.
Boule and Thevenin 1920 A, 195.
Depéret, C. 1907 B.
Haug, E. 1911 A, 1706.
Hay, O. P. 1923 A, 2, 15.
1925 D, 245.
Heilprin, A. 1887 A, 376.
Laloy, L. 1907 A, 586.
Lull, R. S. 1917 B, 634, 639.
Matthew, W. D. 1901 B, 424, 426.
1904 B, 215.
1909 C, 120.
1910 G, 155.
1915 A, 244.
1918 A, 217.

Matthew, W. D. 1918 D, 144.
Matthew and Cook 1909 A, 368, 395.
Merriam, J. C. 1915 E, 228, fig. 45 (This genus?).
1915 F, 257.
Osborn, H. F. 1905 I, 109.
1909 D, 79, 80, 81, 83.
1910 B, 299, 300, 346, 349, 352, 356, 550.
1918 A, 26, 27, 29, 30.
Palmer, T. S. 1904 A, 551, 921.
Peterson, O. A. 1904 A, 471.
Scharff, R. F. 1911 A, 153, 407.
Schlosser, M. 1901 D, 465, 467.
Schmidt, O. 1886 A, 157.
Scott, W. B. 1913 A, 362.
Terra, P. 1911 A, 326.
Trouessart, E. L. 1905 A, 674.
Weber, M. 1904 A, 660.
Weber and Abel 1928 A, 560.
Zdansky, O. 1926 B.
Zittel and Schlosser 1911 A, 486.
1923 A, 575, 673, 679.

Pliauchenia humphreysiana Cope.

Hay, O. P. 1902 A, 680.
Matson and Clapp 1909 A, 137.
Matthew, W. D. 1901 B, 423, 424, 426, 427.
1909 C, 117.
Matthew and Cook 1909 A, 395.
Merrill, G. P. 1907 A, 55 (P. humpresiana).
Schlosser, M. 1901 D, 465 (P. humphresiana).
Trouessart, E. L. 1905 A, 674 (P. humphresiana).
Zdansky, O. 1926 B, 6.
Miocene (Santa Fe); New Mexico.

Pliauchenia merriami Frick.

Frick, C. 1921 A, 358, pl. xlvii, figs. 1, 2, 4; pl. xlviii, fig. 11; text-figs. 66-71, 92.
Stock, C. 1925 A, 21.
Zdansky, O. 1926 B, 15, 18.
Lower Pliocene (Eden); California.

Pliauchenia minima Wortman.

Hay, O. P. 1902 A, 680.
Matthew, W. D. 1901 B, 423, 426, 427.
1909 C, 117.
Merriam, J. C. 1917 A, 438.
Schlosser, M. 1901 D, 465.
Miocene (Republican River); Kansas.

Pliauchenia singularis Matthew.

Matthew, W. D. 1918 A, 216, fig. 16.
Pliocene (Snake Creek); Nebraska.

Pliauchenia spatula Cope.

Hay, O. P. 1902 A, 680.
Dumble, E. T. 1894 A, 559.
Frick, C. 1921 A, 363.
Gidley, J. W. 1903 C, 627.
Matthew, W. D. 1901 B, 423, 426, 427.
1909 C, 120.
Matthew and Cook 1909 A, 396.
Merriam, J. C. 1917 A, 435.
Montgomery, T. H. 1904 A, 56.
Schlosser, M. 1901 D, 465.
Trouessart, E. L. 1905 A, 674.
Pliocene (Blanco); Texas: (Snake Creek?); Nebraska.

Pliauchenia vera Matthew.

Matthew, W. D. 1909 C, 117.
1918 A, 187 (This species?).
Wortman, J. L. 1898 A, 127 (P. humphreysiana, not of Cope).
Miocene (Republican River); Kansas.

Pliauchenia vulcanorum Cope.

Hay, O. P. 1902 A, 680.
Matson and Clapp 1909 A, 137.
Matthew, W. D. 1901 B, 423.
Merrill, G. P. 1907 A, 55.
Trouessart, E. L. 1905 A, 674.
Miocene; New Mexico.

Pliauchenia sp. indet.

Barbour and Cook 1917 A, 172. Pliocene (Devil's Gulch); Nebraska.
Freudenberg, W. 1921 A, 139. Pleistocene?; Mexico.
Frick, C. 1921 A, 321, fig. 30 (This genus?). Pliocene (San Timoteo); California: 365, 366, pl. xlvii, figs. 3, 5. Pliocene (Eden); California.
Gidley, J. W. 1903 C, 627. Pliocene (Blanco); Texas.
1922 B (This genus?) 120. Pleistocene (San Pedro Valley); Arizona.
Hay, O. P. 1927 D, 311 (This genus?). Pleistocene; Arizona, California, Washington.
McCornack, E. C. 1920 A, 23. Pleistocene? (Ringold); Washington.
Matthew, W. D. 1909 C, 117, 120. Miocene (Arikaree); South Dakota: Pliocene (Blanco); Texas.
Merriam, J. C. 1911 B, 214 (This genus?). Pliocene (Thousand Creek); Nevada.
1911 E, 168 (This genus?). Miocene (Upper); California.
1913 E, 381; fig. 7 (This genus?). Miocene? (Siestan); California.
1915 E, 229, fig. 44 (This genus?). Pliocene? (Etchegoin); California.
1917 A, 425 (This genus?); Pleistocene? (Etchegoin); California: 426 (P. sp.). Pliocene (Orindan); California: 428. Pliocene (Rattlesnake); California: 431. Pliocene (Ricardo); California: 435. Pliocene (Blanco); Texas.
1919 A, 450, 512, 527, 531, figs. 101, 103, 106 (This genus?). Upper Miocene (Barstow): Lower Pliocene (Ricardo); California.
Merriam and Buwalda 1917 A, 258 (This genus?). Pleistocene? (Ringold); Washington.
Merriam, Stock, Moody 1925 A, 59, 87, figs. 41, 42 (This genus?). Pliocene (Rattlesnake); Oregon.
Stock, C. 1921 A, 259, figs. 8, 9 (This genus?). Pliocene? (Panaca); Nevada.
1925 A, 18. Lower Pliocene (Rattlesnake); Oregon: 21 (This genus?); Upper Pliocene (Timoteo); California: Lower Pliocene (Eden); California.

MEGATYLOPUS Matthew and Cook. Type *Pliauchenia gigas* Matthew and Cook.

Matthew and Cook 1909 A, 395 (As subgenus).
Matthew, W. D. 1924 C, 69, 70.
1924 E, 748.
Zdansky, O. 1926 B, 10, 38.
Zittel and Schlosser 1923 A, 575.

Megatylopus gigas Matthew and Cook.

Matthew and Cook 1909 A, 396, figs. 16-18 [Pliauchenia (Megatylopus)].
Cook, H. J. 1912 D, 45.
1922 B, 11 [Pliauchenia (Megatylopus) This species?].
Frick, C. 1921 A, 363 (Megatylopus); 374 (Pliauchenia).
Matthew, W. D. 1918 A, 187, 217.
1923 A, 12 (Pliauchenia).
1924 C, 67, 73, 186.
Merriam, J. C. 1917 A, 436 (Pliauchenia).
Sinclair, W. J. 1915 A, 77 (Pliauchenia).
Zdansky, O. 1926 B, 4, 5, 15 [Pliauchenia (Megatylopus)].
Lower Pliocene (Upper Snake Creek); Nebraska.

CAMELINÆ Zittel.

Zittel, K. A. 1893 B, 364.
Hay, O. P. 1902 A, 680.
Arldt, T. 1907 D, 203, 256, 643.
1912 A, 100.
Hay, O. P. 1914 A, 230.
Knottnerus-Meyer, T. 1907 A, 9, 97.
Trouessart, E. L. 1905 A, 671.
Winge, H. 1906 A, 70, 97 (Camelini).
Zittel and Schlosser 1911 A, 486.
1923 A, 575.

CAMELOPS Leidy. Type *C. kansanus* Leidy.

Hay, O. P. 1902 A, 679.
Ameghino, F. 1889 A, 980.
Boule and Thevenin 1920 A, 194.
Cook, H. J. 1927 C, 241 ("Camelops").
Cope, E. D. 1895 G, 599 (Holomeniscus).
Dall and Harris 1892 A, 284 (Holomeniscus).
Felix and Lenk 1891 A, 127 (Holomeniscus).
Giebel, C. G. 1883 A, pl. xxxi.
Haug, E. 1911 A, 1886.
Hay, O. P. 1913 D, 247.
1914 A, 230.
1919 D, 374.
1925 D, 242.
1926 E, 389.
Holmes, W. H. 1901 A, 423 ("camel").
Lull, R. S. 1917 B, 634. 639.
Lydekker, R. 1904 B, 27.
1914 A, 633.
Matthew, W. D. 1904 B, 215.
1915 A, 244.
1915 K, 403.
1918 D, 144.
1924 C, 186.
1924 E, 748.
Merriam, J. C. 1913 B, 306.
1915 F, 261.
Osborn, H. F. 1909 D, 86.
1910 B, 456, 460, 464, 550.
1918 A, 31.
1925 D, 532.
Palmer, T. S. 1904 A, 156, 920.
Schlosser, M. 1901 D, 465.
1903 I, 96.
Shimek, B. 1910 A, 129, 135 ("Camelus").
Sinclair, W. J. 1904 B, 150, fig. 2 ("camel").
Smith and Packard 1919 A, 102, 104 ("camels").
Trouessart, E. L. 1905 A, 674.
Troxell, E. L. 1915 B, 479 (Auchenia).
Wallace, A. R. 1876 A, 1, 138 (Megalomeryx).
Weber, M. 1904 A, 660.
Williston, S. W. 1902 J, 196 ("camels").
Wilson, T. 1901 A, 311 ("lama").
Wright, G. F. 1908 B, 187 ("camel").
1911 A, 282 ("camel" This genus?).
Zdansky, O. 1926 B, 39.
Zittel and Schlosser 1911 A, 486.
1923 A, 576, 680, 681 (Camelops, Auchenia).

Camelops aransas Hay.

Hay, O. P. 1926 C, 7, text-fig. 1.
1927 D, 286.
Pleistocene (Early); Texas.

Camelops? arenarum Hay.

Hay, O. P. 1927 D, 106, 266-268.
Lucas, F. A. 1900 H, 99 ("Procamelus, size of P. major").
1904 F, 3 ("Procamelus, size of P. major").
Pleistocene (Idaho); Idaho.

Camelops californicus (Leidy).

Hay, O. P. 1902 A, 679.
Ashley, G. H. 1895 A, 362 ("llama").
Cooper, J. G. 1875 A, 390 (Palauchenia).
Hay, O. P. 1927 D, 98 (Auchenia); 302, 303 (Camelops); 302, 307 (Lama).
Kellogg, R. 1922 A, 61 (Holomeniscus).
Lindgren, W. 1911 A, 52 (Auchenia).
Merriam, J. C. 1913 B, 320.
Villada, M. M. 1903 A, 448.
Yates, L. G. 1874 B, 19 (Lama california?).
Zdansky, O. 1926 B, 39.
Pleistocene; California.

Camelops hesternus (Leidy).

Hay, O. P. 1902 A, 679.
Abel, O. 1926 B, 238.
Cope, E. D. 1878 II, 125 (Auchenia).
1893 A, 84, pl. xxi, figs. 3, 4.
Felix and Lenk 1891 A, 137 (Holomeniscus).
Frech and Geinitz 1903 A, 35 (Holomeniscus).
Freudenberg, W. 1921 A, 139.
1922 A, 5.
Frick, C. 1921 A, 362.
Furlong, E. L. 1925 A, 139 (This species?).
Gilbert, G. K. 1890 A, 394 (Auchenia).
Gilbert, J. Z. 1910 B, 25, 37 ("camel").
Hay, O. P. 1913 D, 209.

Hay, O. P. 1914 A, 231, pl. xxvii, fig. 4; pl. xxviii, figs. 4, 5; text-figs. 85-88.
1923 E, 395 ("camels" This species?).
1924 D, 374 (Camelops); 239 (Auchenia).
1926 C, 8.
1926 F, 426 ("camels").
1927 D, 87 (Auchenia); 100, 242 (Holomeniscus); 302, 303, pl. vi; pl. ix, fig. 9 (Camelops).
1928 C, 425, 426.
Hodge, E. T. 1925 A, x ("camel").
Joleaud, L. 1920 C, 92 (Auchenia).
Jones, J. C. 1928 A, 7 ("camel." This species?).
McCornack, E. C. 1920 A, 17, 23.
McGee, W J 1888 A, 27 ("camel." This species?).
1889 A, 303 ("camel." This species?).
Merriam, J. C. 1908 D, 472 ("camel").
1913 B, 307, figs. 1-3, 11 (C. hesternus); 309, figs. 4-9 (C. hesternus?).
1918 D, 517 (This species?).
Merriam and Stock 1925 A, 11.
1925 B, 39 (This species?).
Osborn, H. F. 1925 D, 528, 531, figs.
Rath, G. 1886 A, 106 (Holomeniscus).
Romer, A. S. 1928 B, 20.
Schlosser, M. 1901 D, 465 (Syn. of C. kansanus).
Schmidt, O. 1886 A, 157, fig. 22 (Auchenia).
Stock, C. 1924 A, 4.
1925 A, 30, 35, 118.
1928 C, 36.
Swarth, H. S. 1915 A, 23, fig. 11.
Trouessart, E. L. 1905 A, 674.
Troxell, E. L. 1915 A, 616, 622, figs. 6, 7, 9, 11 (Auchenia).
1917 A, 88, fig. 1 (Auchenia).
Villada, M. M. 1903 A, 447, pl. iv (Auchenia).
Whitney, J. D. 1879 B, 261 ("camel." This species?).
Wyman, L. E. 1922 A, 26, fig. 17 ("camel").
1927 A, 86 ("camel").
Yates, L. G. 1903 A, 113, pl. xii (Auchenia).
Zdansky, O. 1926 B.
Pleistocene (Early); Texas, Mexico, California.

Camelops huerfanensis Cragin.

Hay, O. P. 1902 A, 679 (C. kansanus, part).
Baker, F. C. 1920 A, 210 (Auchenia).
Boule and Thevenin 1920 A, 195 (Auchenia).
Cahn, A. R. 1922 A, 23.
Hay, O. P. 1913 D, 269, pls. xxv, xxvi; text-fig. 1.
1914 A, 239, 243, pl. xxviii, fig. 1 (This species?); pls. xxix, xxx, fig. 1; pl. xxxi, fig. 3.
1917 B, 17.
1917 D, 47, pl. i, fig. 8; pl. ii, figs. 5, 6 (This species?).
1920 B, 122.
1921 A, 604, pl. cxiii, fig. 2.
1924 D, 373 (Auchenia); 374 (Camelops).
1927 D, 303.
1928 C, 425, 426.
Hills, R. C. 1889 A. 221 ("camel." This species?).
Lull, R. S. 1921 B, 170.
Schlosser, M. 1901 D, 465 (Auchenia. Syn. of C. kansanus).
Trouessart, E. L. 1905 A, 674 (Syn. of C. kansanus).
Zdansky, O. 1926 B, 3, 6, 31.
Pleistocene (Early); Colorado, Kansas, Texas.

Camelops huerfanensis dallasi Lull.

Lull, R. S. 1921 B, 168, figs. 4, 5.
Hay, O. P. 1924 D, 161, 162, 241.
Shuler, E. W. 1923 A, 333 ("camel").
Zdansky, O. 1926 B, 3.
Pleistocene (Early); Texas.

Camelops kansanus Leidy.

Hay, O. P. 1902 A, 679.
Baker, F. C. 1920 A, 455.
Haug, E. 1911 A, 1886.
Hay, O. P. 1913 D, 267, 269.
1914 A, 26, 231, pl. xxvii, figs. 3, 5?; pl. xxviii, fig. 6?; pl. xxxi, fig. 4?; pl. lxxiv, fig. 7? (This species?).
1920 B, 121 (This species?).
1924 D, 374.
1927 D, 303.
1928 C, 425, 426.
Matthew, W. D. 1902 F, 318, 320, 321.
1918 A, 227.
Merriam, J. C. 1913 B, 317, figs. 10, 10*b*.
Merrill, G. P. 1907 A, 27.
Miller, L. H. 1912 A, 81.
Schlosser, M. 1901 D, 465.
Stock, C. 1925 A, 195, 199 (This species?).
Trouessart, E. L. 1905 A, 674, 678.
Zdansky, O. 1926 B, 39.
Pleistocene (Aftonian); Kansas, Iowa?, Colorado?, Nebraska?, Oklahoma?.

Camelops macrocephalus (Cope).

Hay, O. P. 1902 A, 679.
Dumble, E. T. 1894 A, 564 (Holomeniscus).
Gidley, J. W. 1903 C, 623 (Holomeniscus).
Hay, O. P. 1917 B, 17.
1920 B, 123.
1924 D, 374 (Camelops); 378 (Holomeniscus).
1928 C, 425, 426.
Merriam, J. C. 1913 B, 321 (Holomeniscus).
Montgomery, T. H. 1904 A, 57 (Holomeniscus).
Osborn, H. F. 1910 B, 458 (Holomeniscus).
Wortman, J. L. 1898 A, 132 (Holomeniscus. Syn.? of C. vitakerianus).
Zdansky, O. 1926 B, 39.
Pleistocene (Aftonian); Texas.

Camelops minidokæ Hay.

Hay, O. P. 1927 D, 93, 104, 127, 264, 269, pl. vii, fig. 2; pl. viii, figs. 2, 3.
1913 D, 268, 271, pl. xxvi, figs. 2, 5 (C. huerfanensis).
1914 A, 237, 243, pl. xxx, figs. 2, 5 (C. huerfanensis?).
1927 D, 81 (C. huerfanensis).
Pleistocene (Early); Idaho.

Camelops nevadanus Hay.

Hay, O. P. 1927 D, 84, 303, pl. iv, figs. 3, 4; pl. v, fig. 3.
1926 G, 131 ("camel").
Pleistocene (Early); Nevada.

Camelops niobrarensis (Leidy).

Leidy, J. 1858 E, 24 (Megalomeryx).
Hay, O. P. 1902 A, 679 (C. kansanus, in part).
Cook, H. J. 1927 A, 117 ("camel").
Figgins, J. D. 1928 A, 82 ("camel").
Gidley, J. W. 1926 C, 484.
Hay, O. P. 1913 D, 267, 276 (Megalomeryx); pl. xxvi, figs. 3, 4 (C. huerfanensis?).
1914 A, 239 (Megalomeryx); pl. xxx, figs. 3, 4 (C. huerfanensis?).
1921 A, 600-605, pl. cxvi, figs. 1-7.
1927 D, 303, pl. v, figs. 1, 2; pl. viii, fig. 4 (Camelops); 309 (Megalomeryx).
1928 C, 425, 426.
Merrill, G. P. 1907 A, 46 (Megalomeryx); 56 (Procamelus).
Spier, L. 1928 A, 161 ("camel").
Yates, L. G. 1903 A, 117 (This species?).
Zdansky, O. 1926 B, 39.
Pleistocene (Early); Colorado.

Camelops nitidus Hay.

Hay, O. P. 1920 B, 122, pl. vii, figs. 3-8.
1924 D, 164, 254.
Pleistocene (Aftonian); Oklahoma.

Camelops sulcatus (Cope).

Cope, E. D. 1893 A, 84, pl. xxiii, fig. 4 (Holomeniscus).
Hay, O. P. 1902 A, 679 (C. kansanus, part).
Dumble, E. T. 1894 A, 564 (Holomeniscus).
Gidley, J. W. 1903 C, 623 (Holomeniscus).
Hay, O. P. 1913 D, 275 (=? C. huerfanensis).
1914 A, 232, pl. xxviii, figs. 2, 3 (Holomeniscus, Camelops).
1917 B, 17.
1924 D, 161 (Camelops); 378 (Holomeniscus).
1926 C, 7, text-fig. 2.
1927 D, 92 (Holomeniscus); 302, 303, pl. vii, fig. 1; pl. viii, fig. 1 (Camelops).
Merriam, J. C. 1913 B, 321 (Holomeniscus).
Montgomery, T. H. 1904 A (Holomeniscus).
Osborn, H. F. 1910 B, 458 (Holomeniscus).
Schlosser, M. 1901 D, 465 (Syn. of C. kansanus).
Zdansky, O. 1926 B, 39.
Pleistocene (Early); Texas.

Camelops vacondæ Hay.

Hay, O. P. 1927 D, 97, pl. vii, figs. 3, 4.
1921 A, 601-602, pl. cxvi, figs. 8, 9 (sp. indet.).
Pleistocene (Early); South Dakota.

Camelops virginiensis (Leidy).

Hay, O. P. 1902 A, 678 (Procamelus).
Clark and Miller 1912 A, 167, 168.
Cope, E. D. 1892, in Dall and Harris 1892 A, 130 (No name).
Leidy, J. in Dall and Harris 1892 A, 62, 130 ("Auchenia").
Geological age uncertain; Virginia.

Camelops vitakerianus (Cope).

Hay, O. P. 1902 A, 679.
Baker, F. C. 1920 A, 209, 213, 395.
Condon, T. 1902 A, 138, 147, pl. xxvii (Auchenia vitakeri).
1910 A, 122, pl. xxvii (Auchenia vitakeri).
Cope, E. D. 1878 II, 125 (Auchenia).
1893 A, 85 (Holomoniscus); 86 (A[uchenia]).
Gilbert, G. K. 1890 A, 294 (Auchenia).
Hay, O. P. 1914 A, 26.
1924 D, 168, 305.
1927 D, 100, 242 (Holomeniscus); 303 Camelops).
1928 C, 425, 426.
McCornack, E. C. 1920 A, 17, 23.
Matthew, W. D. 1902 F, 318, 320, 321.
1918 A, 227 (This species?).
Merriam, J. C. 1913 B, 321.
Miller, L. H. 1912 A, 81.
Rath, G. 1886 A, 106 (Holomeniscus).
Schlosser, M. 1901 D, 465.
Stock, C. 1925 A, 195.
Zdansky, O. 1926 B, 39.
Pleistocene (Fossil Lake); Oregon, Nebraska, Washington.

Camelops sp. indet.

Antevs, E. 1925 A, 75. Pleistocene (Lahontan); Nevada.
Bancroft, H. H. 1875 A, 697 ("camels"). California.
Becker, G. F. 1888 A, 221 (This genus?). Pleistocene (Cache Lake); California.
Bretz, J. H. 1928 A, 331, 340. Pleistocene; Oregon.
Calvin, S. 1910 A, xii ("camels"). Pleistocene (Aftonian); Iowa.
Cannon, G. L. 1888 B, 62 ("camel"). Pleistocene (Early); Colorado.
1896 A, in Emmons, S. F. 1896 A, 264 ("camel"). Pleistocene (Early); Colorado.
Chamberlin, R. T. 1916 A, 35 ("camel." This genus?).
Cook, H. J. 1925 A, 460. Pleistocene; Texas.
1926 D, 335 (This genus?). Pleistocene; Colorado, Texas.
Cooke, C. W. 1928 A, 421 ("camels." This genus?). Pleistocene; Florida.
Diller, J. S. 1906 A, 6, 11 ("camel." This genus?). Pleistocene (Potter Creek); California.
Freudenberg, W. 1922 A, 25 ("2 sp. cameliden"). Pleistocene; Mexico.
Frick, C. 1921 A, 295, figs. 2-4 ("camelid"? This genus?). Pleistocene (Bautista); California.
Gidley, J. W. 1918 C, 180 (This genus?). Pleistocene? (Early); Montana.
1925 A, x ("camel"). Pleistocene; Florida.
1927 E, 274. Pleistocene; Florida.
1928 B, 16 ("camel"). Pleistocene; Florida.

Hay, O. P. 1914 A, 59, 241, pl. xxi, figs. 1, 2.
1921 A, 604, pl. cxxii, figs. 1-3 (C. huerfanensis?).
1922 A, 446 ("camel." This genus?). Pleistocene (Zuni); Arizona.
1923 A, 481.
1924 B, 259 ("camel"). Pleistocene; Florida.
1924 D, 374. Pleistocene; Colorado, Iowa, Kansas.
1926 D, 359. Pleistocene; Missouri, Montana, Nebraska, South Dakota, Texas.
1927 C, 281. Pleistocene; Florida.
1927 D, 101 (Auchenia, Holomeniscus); 301, 303 (Camelops). Pleistocene; Arizona, Colorado, California, Florida, Nevada, Oregon.
1928 B, 236. Pleistocene (Anastasia); Florida.
1928 C, 423.

Jones, J. C. 1925 A, 49. Pleistocene (Early); Nevada.

Knowlton, F. H. 1911 D, 63 ("camel." This genus?).

Lee, Stone and Gale 1915 A, 173 ("camel." This genus?). Pleistocene (Lake Lahontan); Nevada.

Loomis, F. B. 1924 C, 506. Pleistocene; Florida.

Lull, R. S. 1921 B, 174 ("camel"). Pleistocene (Early); Texas.

McCornack, E. C. 1914 A, 15. Pleistocene (Fossil Lake); Oregon: (Equus beds); Oregon, Washington.

MacCurdy, G. G. 1917 A, 261 ("camel").

Matthew and Cook 1902 F, 320, 321.

Merriam, J. C. 1909 A, 293. Pleistocene; California.
1915 C, 379, 380, fig. 3 (This genus?); Nevada.
1915 E, 228, figs. 42, 43. California.

Merriam, J. C. 1915 F, 261 ("Camelops." This genus?); ("small camel") Pleistocene (Manix) California.
1917 A, 425 (This genus?); Pliocene? (Etchegoin); California.

Merriam and Stock 1921 A, 567 ("camel"). Pleistocene (Early); California.
1925 A, 10, 11 ("camelid." This genus?).

Miller, L. H. 1912 A, 78, 81 (This genus?). Pleistocene (Early); Oregon, California.
1925 A, 309 ("camel"). Pleistocene (McKittrick); California.

Russell, I. C. 1884 A, 460 ("camel").
1885 A, 239 ("camel." This genus?). Pleistocene (Lake Lahontan); Nevada.
1902 A, 56 ("large camel," "small camel"). Pleistocene (Idaho); Idaho.

Sellards, E. H. 1916 C, 149, 158, pl. xxx, fig. 5 ("camel." This genus?).
1916 D, 617 ("camel." This genus?). Pleistocene (Early); Florida.
1916 E, 16 ("camel." This genus?).

Shufeldt, R. W. 1913 B, 154, pl. xliii, fig. 562. Pleistocene (Fossil Lake); Oregon.

Simpson, G. G. 1928 H, 2 (This genus?). Pleistocene (Early); Florida.

Sinclair, W. J. 1903 A, 711 ("Camelops sp.").
1904 A, 18 ("camelid").
1904 B, 11. Pleistocene; Nevada.

Smith, D. T. 1904 A, 11 ("camel." This genus?). Pleistocene (Lahontan); Nevada.

Stock, C. 1924 A, 4 ("camel"). Pleistocene; California.
1925 A, 113 ("camelid." This genus?). Pleistocene (Potter Creek Cave); California.

Whitney, J. D. 1865 A, 251 ("camel"). Pleistocene; California.

Yates, L. G. 1915 A, 67 (Lama. This genus?). Pleistocene (Early); California.

ESCHATIUS Cope. Type *E. conidens* Cope.

Hay, O. P. 1902 A, 680.
Boas, J. E. V. 1914 B, 592.
Felix and Lenk 1891 A, 126.
Haug, E. 1911 A, 1886.
Hay, O. P. 1923 A, 14.
Lull, R. S. 1917 B, 634, 639.
Lydekker, R. 1904 B, 27.
Matthew, W. D. 1904 B, 215.
1915 A, 244.
Merriam, J. C. 1913 B, 306, 317.
Osborn, H. F. 1909 D, 96.
1910 B, 460, 550.
Palmer, T. S. 1904 A, 271, 920.
Schlosser, M. 1901 D, 467.
1903 I, 96.
Terra, P. 1911 A, 327.
Weber, M. 1904 A, 660.
Weber and Abel 1928 A, 561.
Zdansky, O. 1926 B, 39.
Zittel and Schlosser 1911 A, 486.
1923 A, 576, 680.

Eschatius conidens Cope.

Hay, O. P. 1902 A, 680.
Felix and Lenk 1891 A, 137.
Frech and Geinitz 1903 A, 35.
Freudenberg, W. 1921 A, 139.
1922 A, 5.
Hay, O. P. 1927 D, 305.
1928 C, 425, 426.
Joleaud, L. 1920 C, 92 (E. conideus).
McCornack, E. C. 1920 A, 17, 23 ("Eschatius").
Matthew, W. D. 1902 F, 320.
Miller, L. H. 1912 A, 81.
Rath, G. 1886 A, 106 ("Eschatius").
Schlosser, M. 1901 D, 465.
Stock, C. 1925 A, 195.
Trouessart, E. L. 1905 A, 674.
Troxell, E. L. 1915 A, 616, 622, figs. 8, 10, 12, 13.
Villada, M. M. 1903 A, 448.
Pleistocene; Oregon, Mexico, Texas.

Eschatius longirostris Cope.

Hay, O. P. 1902 A, 680.
1927 D, 100, 242.
Trouessart, E. L. 1905 A, 674.
Pleistocene; Oregon.

CAMELUS Linnæus. Type *C. dromedarius* Linnæus.

Hay, O. P. 1902 A, 680.
Abel, O. 1914 A, 170.
Adam, W. 1830 A, 525.
1854 A, 237 ("camel").
Altmann, F. 1925 A, 108.
Anderson, R. J. 1908 A, 547 ("camel").
1914 A, 534.
Andrews, C. W. 1916 A, 1.
Arldt, T. 1907 D, 643.
Baker, F. C. 1920 A, 226, 243, 395.
Beddard, F. E. 1902 A, 285.
Bertelli, D. 1909 A, 166.
Black, D. 1915 A, 350, fig. 15.
Boas, J. E. V. 1884 B, 398 ("dromedär").
1914 B, 592.
Bojanus, L. H. 1824 A, 263, pl. xxi, figs. 1-8 (Merycotherium).
Boule and Thevenin 1920 A, 195.
Bronn, H. G. 1848 A, 207.
1849 A, 711.
Camerano, L. 1916 B, 6, pl. v, fig. 4.
Carus, V. 1875 A. 156.
Carus and Engelmann 1861 A, 1717.
Cuvier, G. 1805 A.
Doran, A. H. G. 1878 A, 424, pl. lxi.
Eimer, G. H. T. 1901 A, 218.
Falconer, H. 1868 A, 1, 230.
Falconer and Cautley 1836 A, 116.
Fischer, J. B. 1829 A, 434.
Foote, J. S. 1916 A, 105, pl. xi ("camel").
Gaupp, E. 1913 A, 125.
Gervais, P. 1852 A, 89.
1853 B, 44 ("chameau").
1859 A, 156.
Giebel, C. G. 1855 A, 65, pl. xxvii.
1883 A, 134.
Gilbert, J. Z. 1910 B, 38.
Gregory, W. K. 1920 A, 193.
Hasse and Schwarck 1870 A, 137.
Hay, O. P. 1914 A, 240, 241.
1923 A, 14, 15.
Hoernes, R. 1886 A, 676.
Hrdlička, A. 1903 A, 379.
Jacobi, A. 1921 A, 209.
Kampfen, P. N. 1905 A, 594.
Knottnerus-Meyer, T. 1907 A, 9, fig.
Köstlin, O. 1844 A ("kamel").
Lesbre, F. X. 1903 A.
Leuckart, F. S. 1835 A, 172 ("dromedär").
Leunis and Ludwig 1883 A, 266.
Lubosch, W. 1907 A, 622 ("dromedär").
Lull, R. S. 1917 B, 627, 634, 639, fig. 229.
Lydekker, R. 1904 B, 27.
1907 B, 60.
1915 D, 299.
Matthew, W. D. 1904 B, 215.
1915 A, 244.
1918 D, 144.
Meckel, J. F. 1823 A, 1-20 ("kameel").
Merriam, J. C. 1913 B, 306, 307.
1917 A.
Nehring, A. 1901 A, 264.
1901 B, 188.
O'Harra, C. C. 1920 A, 132.
Osborn, H. F. 1905 I, 109.
1909 D, 123.
Osborn, H. F. 1910 B, 609.
1912 G, 251.
Owen, R. 1845 B, 530, pl. cxxxiv, figs. 8, 10 ("camel").
1858 A, 30.
1866 B, 470, figs. 300, 307, 318.
1868 A, 349.
1870 C, 69.
Palmer, T. S. 1904 A, 156, 920.
Pavlow, M. 1904 A, 113.
Pictet, F. J. 1853 A, 345.
Scharff, R. F. 1911 A, 153.
Schlosser, M. 1903 I, 97, 184, 209, 211, 219.
Schmidt, O. 1886 A, 157.
Scott, W. B. 1913 A, 387, 677.
Strecker, C. 1887 A, 314.
Taschenberg, O. 1899 A, 4491.
Terra, P. 1911 A, 327.
Tornier, G. 1888 A, 292.
Trouessart, E. L. 1905 A, 676.
Weber, M. 1904 A, 658, 661.
Weber and Abel 1928 A, 558.
Wilder, B. 1872 B, 320.
Winge, H. 1906 A, 102.
Wright, R. R. 1883 A, 280.
Zdansky, O. 1926 B.
Zittel and Schlosser 1911 A, 486.
1923 A, 575, 680.

Camelus americanus Wortman.

Hay, O. P. 1902 A, 680.
Baker, F. C. 1920 A, 209, 213, 395.
Boule and Thevenin 1920 A, 195.
Frick, C. 1921 A, 361, 363.
Haug, E. 1911 A, 1886.
Hay, O. P. 1914 A, 26.
1924 D, 168, 305.
1928 C, 425, 426.
Matthew, W. D. 1902 F, 318.
1918 A, 227 (Camelops).
Merriam, J. C. 1911 B, 211, 213, 214, fig. 50 (This species?).
1917 A, 429 (This species?).
Osborn, H. F. 1910 B, 456.
Pavlow, M. 1904 A, 127.
Schlosser, M. 1901 D, 465.
Shimek, B. 1910 B, 316 ("Camelus?" This species?).
Stock, C. 1928 C, 37 (To Tanupolama?).
Weber and Abel 1928 A, 560.
Zdansky, O. 1926 B, 39.
Pleistocene (Aftonian); Nebraska:? Pliocene (Thousand Creek); Nevada.

Camelus arctoamericanus Hay.

Hay, O. P. 1921 A, 607, pl. cxix, fig. 12.
Gidley, J. W. 1913 E, 2 ("camel").
Pleistocene (Early); Yukon.

Camelus maximus Hay.

Hay, O. P. 1921 A, 607, pl. cxxiii, fig. 1.
1927 D, 303, pl. iv, fig. 5.
Stock, C. 1925 A, 195, 199 (Camelops? "sp. max.").
Pleistocene (Early); Washington, Oregon, Idaho?

PALAUCHENIA Owen. Type *P. magna* Owen.

Owen, R. 1869 F, 405.
Cope, E. D. 1884 G, 16.
Felix and Lenk 1891 A, 127.
Lydekker, R. 1885 C, 148 (Auchenia).
Owen, R. 1870 C, 65.
Trouessart, E. L. 1898 A, 842.
Zittel and Schlosser 1923 A, 681.

Palauchenia magna Owen.

Owen, R. 1869 F, 405.
Cope, E. D. 1884 G, 19.
Felix and Lenk 1891 A, 137.
Freudenberg, W. 1921 A, 139.
1922 A, 5.
Owen, R. 1870 C, 65, pls. iv-vii.
Villada, M. M. 1903 A, 448.
Pleistocene; Mexico.

LAMA Cuvier. Type not designated.

Cuvier, G. 1798, Tabl. Élém. Hist. Nat. Anim., 158.
Andrews, C. W. 1916 A, 1 (Auchenia).
Camerano, L. 1916 A, 3, pl. iii.
1916 B, 8, pls. vi, vii.
Cuvier, G. 1800, Leçons d'Anat. Comp., tab. i.
1805 A, tab. i.
Doran, A. H. G. 1878 A, 424, pl. lxi.
Gervais, P. 1859 A, 157 (Auchenia).
Gidley, J. W. 1922 B, 120.
Hasse and Schwarck 1870 A, 135 (Auchenia).
Hay, O. P. 1913 D, 276 (Auchenia).
1925 D, 245.
Knottnerus-Meyer, T. 1907 A, 9, 104.
Lesbre, F. X. 1903 A, 163 (Auchenia).
Lönnberg, E. 1913 A, 1, seq.
Loomis, F. B. 1925 E, 596, fig. 9, 10 (Auchenia).
Major, C. J. F. 1891 B, 385.
Matthew, W. D. 1904 B, 215 (Auchenia).
Merriam and Stock 1925 B, 39.
Miller, G. S. 1924 A, 1.
Owen, R. 1870 C, 66 (Auchenia).
Reynolds, S. H. 1897 A, 359, 428, 445, 496, fig. 103 (Auchenia).
Scott, W. B. 1913 A, 388.
Stock, C. 1928 C, 32.
Süppel, R. 1926 A, 97.
Taschenberg, O. 1899 A, 4468 (Auchenia).
Troxell, E. L. 1915 A, 625 (Auchenia).
Weber, M. 1904 A, 658, 661.
Weber and Abel 1928 A, 556, 559, 560, figs. 373-375.
Weber and Burlet 1927 A, 111, fig. 83.
Williston, S. W. 1910 G, 595 ("llama").
Woodward, A. S. 1898 B, 360 (Auchenia).
Wright, R. R. 1883 A, 282 (Auchenia).
Zittel and Schlosser 1911 A, 486 (Auchenia).
1923 A, 576 (Auchenia).

Lama sp. indet.

Freudenberg, W. 1910 A, 5. Pleistocene (Early); Mexico.
Gidley, J. W. 1922 B, 120. Pleistocene (San Pedro Valley); Arizona.
1928 B, 16 (This genus?). Pleistocene; Florida.
Hay, O. P. 1927 D, 302, 307. Pleistocene; Arizona, California.
1928 C, 425.

TANUPOLAMA Stock. Type *Lama stevensi* Merriam and Stock.

Stock, C. 1928 C, 29.

Tanupolama stevensi (Merriam and Stock).

Merriam and Stock 1925 B, 39, figs. 1-4 (Lama).
Hay, O. P. 1927 D, 198 (Lama).
Merriam and Stock 1925 A, 11 ("camel").
Stock, C. 1928 C, 29, pls. i-vi.
Stock and Furlong 1927 A, 409 (Lama).
Pleistocene (McKittrick); California.

STENOMYLUS Peterson. Type *S. gracilis* Peterson.

Peterson, O. A. 1906 C, 35, 41.
Andrews, C. W. 1916 A, 1.
Anonymous 1910 A, 197.
Eastman, C. R. 1912 C, 658.
Loomis, F. B. 1909 B, 196.
1910 B, 297, 318, 321.
1911 B, 69.
1928 A, 139.
Lull, R. S. 1917 B, 634, fig. 636.
1922 B, 118.
Matthew, W. D. 1908 A, 553, 559.
1909 C, 120.
1924 C, 165.
Moodie, R. L. 1923 B, 566, fig. 27, pl. lxvii.
O'Harra, C. C. 1920 A, 71, 136, fig. 21.
Osborn, H. F. 1909 D, 74.
1910 B, 234, 236, 550.
Peterson, O. A. 1911 B, 267.
1912 C, 366.
Scott, W. B. 1913 A, 241, 393, 408.
Troxell, E. L. 1920 A, 392.
Zittel and Schlosser 1911 A, 485.
1923 A, 575, 672.

Stenomylus crassipes Loomis.

Loomis, F. B. 1910 B, 303, 309, 314, 319, figs. 27-30.
Cook, H. J. 1912 D, 41.
Loomis, F. B. 1911 B, 70.
O'Harra, C. C. 1920 A, 157.
Miocene (Harrison); Nebraska.

Stenomylus gracilis Peterson.

Peterson, O. A. 1906 C, 35, 41, pl. xii; text-fig. 9.
Cook, H. J. 1912 D, 41 (S. gracelis).
Loomis, F. B. 1910 B, 303, 309, 318.
1911 B, 70.

Matthew, W. D. 1909 C, 114.
O'Harra, C. C. 1920 A, 157.
Peterson, O. A. 1908 A, 286, figs. 1-12.
1911 B, 272.
Zdansky, O. 1926 B, 6, 15, 30.
Miocene (Lower Harrison); Nebraska.

Stenomylus hitchcocki Loomis.

Loomis, F. B. 1910 B, 298, 318, figs. 1-26.
Abel, O. 1926 B, 360, 374, 376, 459.
Andrews, C. W. 1916 A, 1, pl. i.
Cook, H. J. 1912 D, 41.
Gilmore, C. W. 1921 F, 66 ("Stenomylus").
Holland, W. J. 1909 A, 453 (S. tyleri).
Loomis, F. B. 1911 B, 70.
1923 A, 222.
O'Harra, C. C. 1910 A, 117.
O'Harra, C. C. 1920 A, 157.
Peterson, O. A. 1911 B, 267, pl. xliv.
1912 C, 366, pls. xxi, xxii; text-fig. 1.
1923 B, 94, pl. vi.
Scott, W. B. 1913 A, 242, fig. 131.
Zdansky, O. 1926 B.
Miocene (Harrison); Nebraska.

Stenomylus sp. indet.

Cook, H. J. 1912 D, 43. Miocene (Upper Harrison); Nebraska.
Peterson, O. A. 1924 B, 304, fig. 3 (This genus?).
Lower Miocene (Brown's Park); Colorado.
1928 A, 100, pl. x, figs. 3, 4; text-fig. 9 (This genus?). Miocene or Pliocene (Brown's Park); Colorado.

TELEOPTERNUS Cope. Type *T. orientalis* Cope.

Hay, O. P. 1902 A, 680.
Diener, C. 1912 A, 216.
Frech and Geinitz 1903 A, 36.
Matthew, W. D., in Osborn, H. F. 1910 B, 469 (Related to Ovibos?).
Osborn, H. F. 1910 B, 469, 470.
Palmer, T. S. 1904 A, 667, 925.
Schlosser, M. 1902 H, 143.
Trouessart, E. L. 1905 A, 676.
The position of this genus is uncertain.

Teleopternus orientalis Cope.

Hay, O. P. 1902 A, 680.
1923 A, 497.
Mercer, C. H. 1897 A, 444 ("llama").
Rhoads, S. N. 1903 A, 240.
Schlosser, M. 1902 H, 143.
Pleistocene (Port Kennedy); Pennsylvania.

HYPERTRAGULIDÆ Cope.

Cope, E. D. 1879 B, 66.
Abel, O. 1913 B, 729, 743.
1914 A, 171, 172.
1919 A, 809.
Matthew, W. D. 1901 B, 371, 440, 441.
1902 E, 311.
1907 A, 176, 178.
1908 A, 555, 560, 561 (Hypertragulidæ, Hypertragulinæ, Hypisodontinæ, Leptotragulinæ).
1909 C, 100, 103, 104, 106, 111, 114, 120.
1910 A, 41 (Hypertragulidæ, Hypertragulinæ, Leptotragulinæ).
1926 B, 5.
Matthew and Granger 1925 C, 9.
O'Harra, C. C. 1910 A, 111, 148.
1920 A, 128.
Osborn, H. F. 1909 D, 127.
1910 B, 618 (Hypertragulidæ, Hypertragulinæ, Leptomerycinæ, Leptotragulinæ, Hypisodontinæ).
Palacký, J. 1903 B, 306, 310 ("leptotragulinen").
Palmer, T. S. 1904 A, 747, 920.
Peterson, O. A. 1918 A, 153.
Scharff, R. F. 1911 A, 112.
Schlosser, M. 1903 I, 139, 211, 219 ("hypertragulinen").
1904 C, 70, 93.
Scott, W. B. 1913 A, 683.
Trouessart, E. L. 1905 A, 682 (Leptomerycidæ).
1908 A, 839 (Leptotragulinæ).
Troxell, E. L. 1920 A, 392.
Weber, M. 1904 A, 662.
Weber and Abel 1928 A, 426, 565, 599 (Hypertragulidæ); 602 (Leptomerycinæ); 606 (Hypisodinæ).
Zittel and Schlosser 1911 A, 484 (Leptotragulinæ); 488 (Hypertragulidæ).
1923 A, 578 (Hypertragulidæ); 574 (Leptotragulinæ).

LEPTOMERYX Leidy. Type *L. evansi* Leidy.

Hay, O. P. 1902 A, 671.
Abel, O. 1914 A, 172.
Boule and Thevenin 1920 A, 170.
Condon, T. 1902 A, 121.
Cope, E. D. 1880 U, 155, 156.
Dall and Harris 1892 A, 289.
Depéret, C. 1912 A, 708.
Douglass, E. 1909 C, 231.
Giebel, C. G. 1883 A, 137.
Haug, E. 1911 A, 1528, 1529.
Kampfen, P. N. 1905 A, 596.
Lambe, L. M. 1904 C, 29.
1905 D, 370 A.
Loomis, F. B. 1928 A, 142.
Lydekker, R. 1909 C, 454.
Matthew, W. D. 1901 B, 369, 370, 373, 440, 441.
1902 E, 313, fig. 2.
1905 A, 24.
1908 A, 535, 539, 552, 554, 555, 558, 559, figs. 11-13.
1909 C, 111.
1910 A, 42.
1915 A, 244, 247.
1915 K, 420, 457.
1924 C, 204.
1924 E, 748.

Matthew, W. D. 1926 B, 2, 5.
Matthew and Granger 1924 A, 4.
1925 E, 11.
Osborn, H. F. 1910 B, 215, 220, 302, 551, fig. 104.
Palmer, T. S. 1904 A, 372, 911.
Peterson, O. A. 1912 B, 166.
1919 A, 95.
Riggs, E. S. 1914 A, 145.
Scharff, R. F. 1911 A, 110.
Schlosser, M. 1901 A, 490.
1901 G, 490.
1903 I, 112, 139.
1904 C, 76, 96, 97.
Scott, W. B. 1913 A, 258, 267, 407, 657.
Sellards, E. H. 1916 B, 89.
Sinclair, W. J. 1905 A, 131.
1924 A, 128.
Trouessart, E. L. 1905 A, 683.
Wallace, A. R. 1876 A, II, 220.
Weber, M. 1904 A, 662, 687.
Weber and Abel 1928 A, 565, 604.
Winge, H. 1906 A, 106.
Zittel and Schlosser 1911 A, 489.
1923 A, 579.

Leptomeryx esulcatus Cope.

Hay, O. P. 1902 A, 671.
Granger, W. 1910 A, 240 (This species?).
Lambe, L. M. 1904 C, 29, 38.
1905 D, 367 A.
1908 A, 10, 30.
Matthew, W. D. 1902 E, 314 (Leptomeryx?).
1903 B, 222, fig. 15 (This species?).
1909 C, 104.
Trouessart, E. L. 1905 A, 683.
Lower Oligocene (White River); Canada, Montana?, Wyoming.

Leptomeryx evansi Leidy.

Hay, O. P. 1902 A, 671.
Abel, O. 1914 A, 173, fig. 180.
Darton, N. H. 1905 A, 173.
Douglass, E. 1909 C, 283.
Matthew, W. D. 1901 B, 358.
1902 E, 313.
1908 A, 544, 548, figs. 8-11.
1909 C, 106.
1926 B, 4.
Merrill, G. P. 1907 A, 43.
O'Harra, C. C. 1920 A, 129, 153, fig. 65.
Pearson, H. S. 1923 A, 64, fig. 2.
Riggs, E. S. 1915 A, 381, 393, pl. lx.
Scott, W. B. 1913 A, 407, 563, figs. 218, 277.
Sinclair, W. J. 1924 A, 102.
Trouessart, E. L. 1905 A, 683.
Weber and Abel 1928 A, 605, fig. 399.
Middle Oligocene (Brule); South Dakota, Nebraska, Colorado.

Leptomeryx mammifer Cope.

Hay, O. P. 1902 A, 671.
Lambe, L. M. 1904 C, 29, 38, 51.
1905 D, 367 A.
1908 A, 10, 30.
Matthew, W. D. 1902 E, 313.
1903 B, 224, figs. 16, 17.
1909 C, 104 (Trigenicus?).
Trouessart, E. L. 1905 A, 683.
Lower Oligocene (Swift Current Creek); Canada.

Leptomeryx obliquidens Lull.

Lull, R. S. 1922 B, 115.
Matthew, W. D. 1926 B, 4.
Upper Oligocene (Upper John Day); Oregon.

Leptomeryx? semicinctus Cope.

Hay, O. P. 1902 A, 672.
Lambe, L. M. 1904 C, 29, 38, 51.
1905 D, 367 A.
1908 A, 10, 32.
Matthew, W. D. 1902 E, 314 ("Not Leptomeryx").
Trouessart, E. L. 1905 A, 683.
Oligocene (White River); Canada, South Dakota.

Leptomeryx speciosus Lambe.

Lambe, L. M. 1908 A, 10, 31, pl. viii, figs. 10-15.
Oligocene (Cypress Hills); Saskatchewan.

Leptomeryx transmontanus Douglass.

Douglass, E. 1903 A, 151, 167, fig. 11.
Matthew, W. D. 1909 C, 109.
1926 B, 4 (L. drummondanus; *lapsus pennæ*).
Upper Oligocene (Drummond?); Montana.

Leptomeryx sp. indet.

Condon, T. 1902 A, 121. Oligocene; Oregon (This genus?).
1910 A, 101. Oligocene; Oregon (This genus?).
Cook, H. J. 1912 D, 35. Oligocene (Chadron); Nebraska. 38, 39 Oligocene (Brule); Nebraska.
Matthew, W. D. 1901 B, 358.
1902 E, 314. South Dakota and Colorado.
1909 C, 104, 106. Oligocene (Lower, Middle, Upper); Nebraska, South Dakota, Wyoming.
Osborn, H. F. 1918 A, 16. Oligocene (Alum Bluff); Florida.
Sellards, E. H. 1916 B, 89, pl. ii, fig. 2 (This genus?). Miocene; Florida.
Wanless, H. R. 1923 A, 220. Oligocene (White River); Nebraska.

Trigenicus Douglass. Type *T. socialis* Douglass.

Douglass, E. 1903 A, 162.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 111.

Trigenicus socialis Douglass.

Douglass, E. 1903 A, 149, 162, fig. 6.
1907 A, 822.
Matthew, W. D. 1909 C, 104.
Oligocene (Lower White River); Montana

HYPISODUS Cope. Type *H. ringens* Cope.

Hay, O. P. 1902 A, 672.
Abel, O. 1913 B, 745.
1914 A, 182.
1919 A, 815.
Cope, E. D. 1880 U, 155, 156.
Kampfen, P. N. 1905 A, 595.
Loomis, F. B. 1910 B, 321.
Lull, R. S. 1922 B, 118.
Matthew, W. D. 1901 B, 369, 440, 441.
1902 E, 311, 316, fig. 4.
1905 A, 24.
1908 A, 539, 553, 559.
1909 C, 111.
1910 A, 42.
1924 E, 748.
1926 B, 5.
Osborn, H. F. 1909 D, 74.
1910 B, 220, 551.
Palmer, T. S. 1904 A, 341, 911.
Schlosser, M. 1903 I, 139, 188, 211.
1904 C, 70, 76, 96.
Scott, W. B. 1913 A, 258, 408.
Sinclair, W. J. 1905 A, 131.
Troxell, E. L. 1920 A, 391.
Wallace, A. R. 1876 A, 1, 138.
Weber, M. 1904 A, 662.
Weber and Abel 1928 A, 606.
Winge, H. 1906 A, 107.
Zittel and Schlosser 1911 A, 496.
1923 A, 587.

Hypisodus alacer Troxell.

Troxell, E. L. 1920 A, 393, 397, figs. 1-3.
O'Harra, C. C. 1920 A, 153.
Oligocene (Brule); Nebraska.

Hypisodus minimus Cope.

Hay, O. P. 1902 A, 672.
Abel, O. 1913 B, 745, fig. 68.
1914 A, 182, fig. 139.
Cook, H. J. 1912 D, 38.
Matthew, W. D. 1901 B, 358, 440, text-fig. 34.
1902 E, 311, 316, fig. 1.
1909 C, 106.
Trouessart, E. L. 1905 A, 683.
Troxell, E. L. 1920 A, 391, 396, fig. 4.
Weber and Abel 1928 A, 607, fig. 400.
Zittel and Schlosser 1911 A, 497, fig. 693.
1923 A, 587, fig. 734.
Oligocene (Middle); Colorado: (Brule); Nebraska, South Dakota, Wyoming.

NANOTRAGULUS Lull. Type *N. loomisi* Lull.

Lull, R. S. 1922 B, 111, 116.
Zittel and Schlosser 1923 A, 579 (Nannotragulus).

Nanotragulus loomisi Lull.

Lull, R. S. 1922 B, 111, 116, fig. 1.
Matthew, W. D. 1926 B, 3, 5, fig. 3.
Lower Miocene (Lower Harrison); Wyoming.

Nanotragulus ordinatus (Matthew).

Matthew, W. D. 1907 A, 172, 218 (Hypertragulus).
Lull, R. S. 1922 B, 111, 115 (Hypertragulus).
Matthew, W. D. 1909 C, 114 (Hypertragulus).
1926 B, 4 (To Nanotragulus).
Miocene (Lower); South Dakota.

OROMERYX Marsh. Type *O. plicatus* Marsh.

Hay, O. P. 1902 A, 672.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 103.
Osborn, H. F. 1910 B, 170, 550.
Palmer, T. S. 1904 A, 481, 912.
Peterson, O. A. 1919 A, 100.
Stehlin, H. G. 1910 A, 1088.
Trouessart, E. L. 1905 A, 683.
Zittel and Schlosser 1923 A, 574.

Oromeryx plicatus Marsh.

Hay, O. P. 1902 A, 672.
Matthew, W. D. 1909 C, 100.
Peterson, O. A. 1919 A, 98.
Upper Eocene (Uinta); Utah.

Oromeryx sp. indet.

Peterson, O. A. 1919 A, 98. Upper Eocene (Uinta); Utah.

CAMELOMERYX Scott. Type *C. longiceps* Scott.

Hay, O. P. 1902 A, 672.
Abel, O. 1913 B, 744.
Haug, E. 1911 A, 1528.
Kampfen, P. N. 1905 A, 597.
Matthew, W. D. 1908 A, 557, 559.
1909 C, 100.
Osborn, H. F. 1910 B, 170.
Palmer, T. S. 1904 A, 155, 911, 920.
Peterson, O. A. 1912 B, 166.
1919 A, 98.
Stehlin, H. G. 1910 A, 1088.
Trouessart, E. L. 1905 A, 683.
Weber, M. 1904 A, 662.
Zittel and Schlosser 1911 A, 494.
1923 A, 584, 669.

Camelomeryx longiceps Scott.

Hay, O. P. 1902 A, 672.
Matthew, W. D. 1909 C, 100.
Trouessart, E. L. 1905 A, 683.
Upper Eocene (Uinta); Utah.

LEPTOTRAGULUS Scott and Osborn. Type *L. proavus* Scott and Osborn.

Hay, O. P. 1902 A, 674.
Granger, W. 1910 A, 249.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 103, 111.
1910 A, 42.
Osborn, H. F. 1910 B, 168, 170, 550.

Palmer, T. S. 1904 A, 373, 921.
Peterson, O. A. 1919 A, 95, 100.
Schlosser, M. 1901 D, 462.
Scott, W. B. 1913 A, 267, 362.
Stehlin, H. G. 1910 A, 1088.
Trouessart, E. L. 1905 A, 684.
Weber, M. 1904 A, 661.
Woodward, A. S. 1898 D, 330.
Zittel and Schlosser 1911 A, 484.
1923 A, 574, 668, 669.

Leptotragulus medius Peterson.

Peterson, O. A. 1919 A, 94, pl. xxxvii, figs. 1-4.
Upper Eocene (Uinta); Utah.

Leptotragulus proavus Scott and Osborn.

Hay, O. P. 1902 A, 674.
Matthew, W. D. 1909 C, 100.
Peterson, O. A. 1919 A, 93, pl. xxxvii, figs. 5-13.
Schlosser, M. 1901 D, 463 (Parameryx).
Trouessart, E. L. 1905 A, 684.
Upper Eocene (Uinta); Utah.

Leptotragulus profectus Matthew.

Matthew, W. D. 1903 B, 224, figs. 18, 19.
1909 C, 104 (This genus?).
Peterson, O. A. 1919 A, 97.
Trouessart, E. L. 1905 A, 684.
Lower Oligocene (White River); Montana.

Leptotragulus sp. indet.

Matthew, W. D. 1909 C, 100. Upper Eocene (Uinta); Wyoming.

PARAMERYX Marsh. Type *P. lævis* Marsh.

Hay, O. P. 1902 A, 674.
Heilprin, A. 1887 A, 376.
Palmer, T. S. 1904 A, 514, 921.
Peterson, O. A. 1919 A, 99.
Schmidt, O. 1886 A, 156.
Trouessart, E. L. 1905 A, 684.
Weber, M. 1904 A, 661.
Zittel and Schlosser 1911 A, 484 (Syn. of Leptotragulus).
1923 A, 574 (Syn. of Leptotragulus).

Parameryx lævis Marsh.

Hay, O. P. 1902 A, 674.
Matthew, W. D. 1909 C, 100 (Leptotragulus).
Peterson, O. A. 1919 A, 99.
Upper Eocene (Uinta); Utah.

Parameryx sulcatus Marsh.

Hay, O. P. 1902 A, 674.
Matthew, W. D. 1909 C, 100 (Leptotragulus).
Peterson, O. A. 1919 A, 99.
Upper Eocene (Uinta); Utah.

LEPTOREODON Wortman. Type *L. marshi* Wortman.

Hay, O. P. 1902 A, 672.
Cossmann, M. 1899 B, 83.
Kampfen, P. N. 1905 A, 592.
Matthew, W. D. 1909 C, 103.
Osborn, H. F. 1910 B, 168, 550.
Peterson, O. A. 1919 A, 98, 100.
Scott, W. B. 1913 A, 362.
Stehlin, H. G. 1908 A, 835.
1910 A, 1088.
Trouessart, E. L. 1905 A, 684.
Weber, M. 1904 A, 662.
Zittel and Schlosser 1911 A, 494.
1923 A, 584.

Leptoreodon gracilis Scott.

Hay, O. P. 1902 A, 672.
Trouessart, E. L. 1905 A, 684.
Upper Eocene (Uinta); Utah.

Leptoreodon marshi Wortman.

Hay, O. P. 1902 A, 672.
Matthew, W. D. 1909 C, 100.
Peterson, O. A. 1919 A, 98.
Schlosser, M. 1901 D, 461, 462.
Trouessart, E. L. 1905 A, 684.
Upper Eocene (Washakie); Wyoming.

HYPERTRAGULUS Cope. Type *H. calcaratus* Cope.

Hay, O. P. 1902 A, 674.
Cope, E. D. 1880 U, 155, 156.
Dall and Harris 1892 A, 289.
Granger, W. 1910 A, 249.
Haug, E. 1911 A, 1528, 1705.
Lambe, L. M. 1905 D, 370 A.
Lull, R. S. 1922 B, 111.
Matthew, W. D. 1901 B, 369, 440, 441.
1902 E, 315, fig. 3.
1905 A, 24.
1907 A, 176, 218.
1908 A, 539, 552, 559.
1909 C, 111, 120.
1910 A, 42.
1915 A, 244.
1924 E, 748.
Osborn, H. F. 1909 D, 70, 75.
Osborn, H. F. 1910 B, 215, 220, 231, 551.
1912 G, 246, 249.
Palmer, T. S. 1904 A, 340, 921.
Peterson, O. A. 1919 A, 97, 100.
Schlosser, M. 1901 A, 490.
1901 G, 490.
1903 I, 139.
1904 C, 97.
Scott, W. B. 1913 A, 683.
Sinclair, W. J. 1905 A, 131.
1924 A, 128.
Trouessart, E. L. 1905 A, 685.
Wallace. A. R. 1876 A, I, 138.
Weber, M. 1904 A, 661.
Weber and Abel 1928 A, 602.
Zittel and Schlosser 1911 A, 489.
1923 A, 579, 672.

Hypertragulus calcaratus Cope.

Hay, O. P. 1902 A, 674.
Cook, H. J. 1912 D, 37.
Douglass, E. 1903 A, 151.
Lull, R. S. 1922 B, 112 (H. calcaratus, H. tricostatus).
Matthew, W. D. 1901 B, 358.
1902 E, 316.
1909 C, 106, 114 (This species?).
1926 B, 3.
O'Harra, C. C. 1920 A, 158.
Trouessart, E. L. 1905 A, 685.
Oligocene (Middle); Colorado, South Dakota: Miocene (Lower); Montana, South Dakota?, Nebraska.

Hypertragulus hesperius Hay.

Hay, O. P. 1902 A, 675.
Lull, R. S. 1922 B, 111, 113.
Matthew, W. D. 1907 A, 218.
1909 C, 109.
1926 B, 3.
Merriam and Sinclair 1907 A, 187 (H. calcaratus? =H. hesperius).
Trouessart, E. L. 1905 A, 685.
Upper Oligocene (John Day); Oregon.

Hypertragulus minutus Lull.

Lull, R. S. 1922 B, 111, 115.
Upper Oligocene (Upper John Day); Oregon.

Hypertragulus transversus Cope.

Hay, O. P. 1902 A, 675.
Lambe, L. M. 1904 C, 29, 38, 51.
1905 D, 367 A.
1908 A, 10, 32.
Lull, R. S. 1922 B, 111.
Matthew, W. D. 1902 E, 316 (This genus?).
1909 C, 104 (Heteromeryx?).
Trouessart, E. L. 1905 A, 685.
Lower Oligocene (Swift Current); Canada.

Hypertragulus sp.? indet.

Matthew, W. D. 1902 E, 316. Oligocene (Swift Current Creek); Colorado.
1909 C, 106.
Merriam and Sinclair 1907 A, 188, 190, 191, 192. Oligocene (John Day); Oregon.
Sinclair, W. J. 1905 A, 128, pl. xiv, fig. 3. Oligocene? (John Day); Oregon.
Stock, C. 1920 A, 269, figs. 2, 3. Oligocene (San Lorenzo); California.

HETEROMERYX Matthew. Type *H. dispar* Matthew.

Matthew, W. D. 1905 A, 23, 24, fig. 6.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1908 A, 552, 559.
1909 C, 111.
1910 A, 42.
1915 A, 244.
1926 B, 5.
Zittel and Schlosser 1911 A, 495.
1923 A, 585.

Heteromeryx dispar Matthew.

Matthew, W. D. 1905 A, 23, figs. 4, 5.
Cook, H. J. 1912 D, 35.
Matthew, W. D. 1909 C, 104.
O'Harra, C. C. 1920 A, 150.
Lower Oligocene (Chadron); Nebraska.

ALLOMERYX Sinclair. Type *A. planiceps* Sinclair.

Sinclair, W. J. 1905 A, 129.
Zittel and Schlosser 1911 A, 489.
1923 A, 579.

Allomeryx planiceps Sinclair.

Sinclair, W. J. 1905 A, 129, pl. xiv, figs. 1-2.
Lull, R. S. 1922 B, 111, 114.
Matthew, W. D. 1909 C, 109 (Hypertragulus).
Merriam and Sinclair 1907 A, 187, 188, 190.
Upper Oligocene (John Day); Oregon.

PROTOCERATIDÆ Marsh.

Marsh, O. C. 1891 A, 81.
Hay, O. P. 1902 A, 673 (Protoceratinæ).
Abel, O. 1913 B, 729, 744 (Protoceratinæ).
1914 A, 172, 174 (Protoceratinæ).
1919 A, 810 (Protoceratinæ).
1920 A, 437 Protoceratinæ).
Beddard, F. E. 1902 A, 284 (Protoceratinæ).
Case, E. C. 1899 B, 174 (Protoceratidæ).
Matthew, W. D. 1908 A, 561 (Protoceratinæ).
1909 C, 120.
1915 A, 251.
Osborn, H. F. 1910 B, 551 (Protoceratinæ).
Palacký, J. 1903 B, 312 ("protoceratiden").
Palmer, T. S. 1904 A, 766, 927.
Schlosser, M. 1900 D, 139.
1903 I, 111, 211.
1907 B, 485 ("protoceratiden").
Trouessart, E. L. 1905 A, 685.
Van Bemmelen, J. F. 1918 A, 572 (Protoceratinæ).
Weber and Abel 1928 A, 599, 600 (Proceratinæ).
Winge, H. 1906 A, 70 (Protoceratini).
Zittel and Schlosser 1911 A, 494 (Protoceratinæ).
1923 A, 584 (Protoceratinæ).

PROTOCERAS Marsh. Type *P. celer* Marsh.

Hay, O. P. 1902 A, 673.
Abel, O. 1913 B, 744.
Barbour, E. H. 1906 B, 623.
Beddard, F. E. 1902 A, 284.
Gaudry, A. 1896 A, 181.
Haug, E. 1911 A, 1529.
Kampfen, P. N. 1905 A, 595.
Lee, Stone, Gale 1915 A, 34, pl. vii.
Loomis, F. B. 1925 E, 595, figs. 9, 10.
1928 B, 542.

Lull, R. S. 1904 C, 8.
1917 B, 296.
Matthew, W. D. 1901 B, 370, 371, 441.
1905 A, 24.
1907 A, 178.
1908 A, 552, 559.
1909 C, 111.
1910 A, 42.
1915 A, 244.
1924 E, 748.
1926 B, 5 (Protoceras).
O'Harra, C. C. 1910 A, 112, 146.
1920 A, 129.
Osborn, H. F. 1907 G, 162, fig. 135.
1909 D, 64, 65, 74.
1910 B, 629.
1912 G, 243, fig. 8.
Palmer, T. S. 1904 A, 581, 927.
Schlosser, M. 1900 D, 139.
1901 A, 490.
1901 G, 489.
1903 I, 111.
Schuchert, C. 1910 A, 599.
Scott, W. B. 1913 A, 252, 258, 445, fig. 133.
Trouessart, E. L. 1905 A, 685.
Weber, M. 1904 A, 662.
Weber and Abel 1928 A, xxiii, 601.
Winge, H. 1906 A, 105.
Zittel and Schlosser 1911 A, 495.
1923 A, 585, 669, 670.

Protoceras celer Marsh.

Hay, O. P. 1902 A, 673.
Abel, O. 1914 A, 175, fig. 132.
Abel, O. 1919 A, 811, fig. 611.
Cook, H. J. 1912 D, 39.
Lee, Stone, Gale 1915 A, 40, pl. vii.
Matthew, W. D. 1909 C, 109.
O'Harra, C. C. 1910 A, 112, pls. xlv, xlvi.
1920 A, 129, pls. xxiii, xliii, xliv; text-fig. 66.
Osborn, H. F. 1904 F, 15, 31, 40.
1910 B, 225, fig. 111.
Schlosser, M. 1900 D, 139.
Scott, W. B. 1913 A, 405, 406, figs. 216, 217.
Stromer, E. 1912 A, 194, fig. 177.
Trouessart, E. L. 1905 A, 685.
Weber and Abel 1928 A, 601, fig. 395.
Zittel and Schlosser 1911 A, 495, fig. 691.
1923 A, 585, fig. 732.
Upper Oligocene (Brule); South Dakota, Nebraska.

Protoceras comptus Marsh.

Hay, O. P. 1902 A, 673.
Cook, H. J. 1912 D, 39.
Matthew, W. D. 1909 C, 109.
O'Harra, C. C. 1920 A, 154.
Trouessart, E. L. 1905 A, 685.
Upper Oligocene (Brule); Nebraska.

Protoceras nasutus Marsh.

Hay, O. P. 1902 A, 673.
Cook, H. J. 1912 D, 39 (P. nastus).
Matthew, W. D. 1909 C, 109.
Trouessart, E. L. 1905 A, 685.
Upper Oligocene (Brule); Nebraska.

CALOPS Marsh. Type *C. cristatus* Marsh.

Hay, O. P. 1902 A, 673.
Haug, E. 1911 A, 1529.
Matthew, W. D. 1909 C, 111.
Palmer, T. S. 1904 A, 151, 821.
Schlosser, M. 1900 D, 140.
Zittel and Schlosser 1911 A, 495.

Calops consors Marsh.

Hay, O. P. 1902 A, 673.
Cook, H. J. 1912 D, 39.
Matthew, W. D. 1909 C, 109.
Schlosser, M. 1900 D, 140.
Upper Oligocene (Brule); region of South Dakota and adjoining parts of Nebraska and Wyoming.

Calops cristatus Marsh.

Hay, O. P. 1902 A, 673.
Cook, H. J. 1912 D, 39.
Matthew, W. D. 1909 C, 109.
O'Harra, C. C. 1920 A, 154.
Upper Oligocene (Brule); region of South Dakota and adjoining parts of Nebraska and Wyoming.

SYNDYOCERAS Barbour. Type *S. cooki* Barbour.

Barbour, E. H. 1905 B, 797.
Abel, O. 1913 B, 744, fig. 5.
1914 A, 175, fig. 132.
1920 A, 437, fig. 664.
Barbour, E. H. 1905 A, 2 (Separate).
1906 A, 289.
1906 B, 623.
1906 C, 781.
Jaekel, O. 1911 A, 236, fig. 264.
Lee, Stone, Gale 1915 A, 34, pl. vi.
Matthew, W. D. 1909 C, 120.
1910 A, 42 (This genus?).
Osborn, H. F. 1907 F, 872.
1909 D, 74.
1910 B, 236, 237, 551, figs. 120, 121.
Peterson, O. A. 1912 B, 167.
Scott, W. B. 1913 A, 241, 258, 404, 407.
Weber and Abel 1928 A, 600.
Zittel and Schlosser 1911 A, 495.

Syndyoceras cooki Barbour.

Barbour, E. H. 1905 B, 797, fig.
1905 A, pl. i.
1924 A, 13 ("Syndyceros").
Cook, H. J. 1912 D, 41.
Matthew, W. D. 1909 C, 114.
O'Harra, C. C. 1920 A, 131, 158, pls. xi, xlv; text-fig. 67.
Peterson, O. A. 1906 C, 35.
Schlosser, M. 1907 B, 485.
Scott, W. B. 1913 A, 403, fig. 213.
Lower Miocene (Harrison); Nebraska.

Superfamily TRAGULOIDÆ, new form.

Hay, O. P. 1902 A, 681 (Traguloidea).
Beddard, F. C. 1902 A, 281 (Tragulina).
Flower and Lydekker 1891 A, 305 (Tragulina).
Gill, T. 1872 B, 9, 73, 80 (Traguloidea).
Hogben, L. T. 1919 A, 75 (Tragulina).
Osborn, H. F. 1910 B, 550 (Tragulina).
Scott, W. B. 1913 A, 409 (Tragulina).
Weber, M. 1904 A, 644 (Traguloidea).
Weber and Abel 1928 A, 426, 562, 897 (Traguloidea).
Weber and Burlet 1927 A, xv (Traguloidea).
Wright, R. R. 1883 A, 287 (Tragulina).

TRAGULIDÆ Edwards.

Edwards, A. M. 1864 A, 157.
Hay, O. P. 1902 A, 681.
Arldt, T. 1907 D, 686.
Beddard, F. E. 1902 A, 282.
Depéret, C. 1912 A, 708 ("tragulidés").
Doran, A. H. G. 1878 A, 423.
Kowalewsky, W. 1877 A, 145, 153 ("traguliden").
Leuthardt, F. 1891 A, 124 ("traguliden").
Matthew, W. D. 1928 B, 968, 981, fig. 16.
Palmer, T. S. 1904 A, 774, 930.
Schlosser, M. 1903 I, 139 ("traguliden").
Trouessart, E. L. 1905 A, 685.
Weber and Abel 1928 A, 504, 538.
Winge, H. 1906 A, 70, 104.
Zittel and Schlosser 1911 A, 486.
1923 A, 576.

No American genera are at present referred to this family.

Superfamily CERVOIDÆ, new name.

Weber and Abel 1928 A, 426, 538 (Pecora, in part).
Zittel and Schlosser 1911 A, 490 (Cervicornia).
1923 A, 579 (Cervicornia).

PALÆOMERYCIDÆ Lydekker.

Lydekker, R. 1883 (*fide* T. S. Palmer).
Matthew, W. D. 1904 A, 102, 127 (Palæomerycinæ).
1924 C, 193.
1925 D, 33.
Osborn, H. F. 1910 B, 551.
Palmer, T. S. 1904 A, 921.
Pilgrim, G. E. 1911 A, 5, 23.
Schlosser, M. 1903 I, 110, 185 ("palæomeryciden").
1904 A, 497 ("palæomeryciden").
1906 A, 113 ("palæomeryciden").
1924 A, 89.
Trouessart, E. L. 1905 A, 691 (Cervulinæ).
Weber, M. 1904 A, 672.
Zittel and Schlosser 1911 A, 492 (Cervulinæ).
1923 A, 581 (Cervulinæ).

DREPANOMERYX Sinclair. Type *D. falciformis* Sinclair.

Sinclair, W. J. 1915 A, 77, 78, 90.
Zittel and Schlosser 1923 A, 679.

Drepanomeryx falciformis Sinclair.

Sinclair, W. J. 1915 A, 77, 90, figs. 14-16.
Cook, H. J. 1922 B, 13, 14, 21, 1 fig. (This genus and species?).
Matthew, W. D. 1918 A, 187.
1924 C, 68.
Merriam, J. C. 1917 A, 437.
Upper Miocene (Lower Snake Creek); Nebraska.

PALÆOMERYX Meyer. Species included *P. bojani* and *P. kaupii*.

Hay, O. P. 1902 A, 682.
Abel, O. 1909 E (248).
Bronn, H. G. 1838 A, 1186.
Cope, E. D. 1887 B, 397.
Depéret, C. 1892 A, 91.
1912 A, 709.
Douglass, E. 1909 A, 458.
Gadow, H. 1902 A, 217.
Grant, M. 1904 B, 202.
Haug, E. 1911 A, 1706.
Heilprin, A. 1887 A, 381.
Hensel, R. 1879 A, 555.
Jaeger, G. F. 1850 A, 826.
Loomis, F. B. 1925 E, 603, figs. 19, 20.
1928 B, 534.
Major, C. J. F. 1877 A, 15.
1880 A, 33.
Matsumoto, H. 1918 C, 76.
1921 A, 88.
Matthew, W. D. 1902 F, 319.
1904 A, 104, 127.
1924 C, 70, 205.
Matthew and Cook 1909 A, 408.
Osborn, H. F. 1905 I, 106.
1909 D, 77, 78, 80.
1910 B, 626.
Pavlow, M. 1903 B, 215.
Peterson, O. A. 1919 A, 74.
Pictet, F. J. 1853 A, 350.
Pilgrim, G. E. 1911 A, 5, 23.
Schlosser, M. 1902 J, 181.
1903 A, 292.
1903 I, 110, 113, 185.
1904 A, 497.
1916 A, 13, pls. i, ii.
1924 B, 636.
Sinclair, W. J. 1915 A, 77.
Steinmann, G. 1907 A, 497.
Trouessart, E. L. 1905 A, 692.
Van Bemmelen, J. F. 1918 A, 573.
Weber and Abel 1928 A, xix, 575, 591, 598.
Zittel and Schlosser 1911 A, 493.
1923 A, 581, 673, 674.

Palæomeryx americanus Douglass.

Hay, O. P. 1902 A, 682.
Douglass, E. 1903 A, 155.
1909 A, 458, 472, pl. lxii, figs. 1, 2; pl. lxiii, fig. 2 (Dromomeryx?).
Lull, R. S. 1920 A (Dromomeryx); 128 (Palæomeryx).
Matthew, W. D. 1904 A, 104.
1908 A, 546.
1909 C, 118.
Trouessart, E. L. 1905 A, 692.
Upper Miocene (Madison Valley); Montana.

Palæomeryx teres (Cope).

Cope, E. D. 1874 U, 150 (Cosoryx).
Hay, O. P. 1902 A, 683 (Merycodus).
Matthew, W. D. 1904 A, 103, 123 (Merycodus?).
1909 C, 118.
1924 C, 200 (Dicrocerus).
Merrill, G. P. 1907 A, 31 (Cosoryx); 33 (Dicrocerus); 53 (Palæomeryx).
Trouessart, E. L. 1905 A, 712 (Merycodus).
Lower Pliocene (Sante Fe); New Mexico.

Palæomeryx trilateralis (Cope).

Hay, O. P. 1902 A, 683 (Merycodus).
Matthew, W. D. 1904 A, 103, 123 (Merycodus).
1909 C, 118.
1924 C, 200 (Dicrocerus. This genus?).
Merrill, G. P. 1907 A, 34 (Dicrocerus).
Trouessart, E. L. 1905 A, 712 (Merycodus).
Upper Miocene (Santa Fe); New Mexico.

Palæomeryx sp. indet.

Barbour and Cook 1917 B, 180. Pliocene (Valentine); Nebraska.
Cook, H. J. 1912 D, 43, 45. Pliocene (Sheep Creek); Nebraska.
1922 B, 13 (This genus?). Pliocene (Snake Creek); Colorado.
Furlong, E. L. 1927 A, 159.
Matthew, W. D. 1904 A, 129. Miocene; Colorado.
1909 C, 115, 118. Miocene; Colorado, Oregon: (Arikaree); South Dakota.
Matthew and Cook 1909 A, 408, figs. 21, 22.
Merriam and Sinclair 1907 A, 196. Miocene (Mascall); Oregon (Genus doubtful).
Merrill, G. P. 1907 A, 28, 53.

CERVIDÆ Gray.

Gray, J. E. 1821 A, 307.
Hay, O. P. 1902 A, 681.
Abel, O. 1912 F, 630 ("hirsch").
1913 B, 729, 743.
1914 A, 172.
1919 A, 810.
1920 A, 637 ("cerviden").
1921 A, 181, 252 ("hirschen").
Adloff, P. 1914 A, 359 ("cerviden").
Allen, J. A. 1905 A, 663.
Arldt, T. 1907 B, 452 ("cerviden").
1907 D, 644.
Atzkern, J. 1923 A, 126 ("cerviden").
Baird, S. F. 1876 A, ccviii ("deer").
Baur, G. 1886 N, 117 ("cerviden").
Beddard, F. E. 1902 A, 291.
Behlen, H. 1906 A ("cerviden").
Black, D. 1915 A, 346.
Bonaparte, C. L. 1832 A, 292.
Botezat, E. 1903 A, 104 ("cerviden").
1904 A, 593 ("cerviden").
Boule and Thevenin 1920 A, 168 ("cervidés").
Brandt and Woldrich 1887 A, 12 ("cerviden").
Brown, A. E. 1904 B, 79.
Cameron, A. G. 1910 A, 51.
1910 B, 154, 215.
Carus, V. 1875 A, 153 (Cervina).
Case, E. C. 1899 B, 174 (Cervicorna).
Chandler, A. C. 1914 B, 134.
Chomenko, J. 1913 A, 138.
Cleland, J. 1863 B, 298 ("deer").
Cope, E. D. 1891 N, 87.
Cuvier, F. 1825 A, 231 ("cerfs").
Cuvier, G. 1805 A ("cerfs").
1825 A, IV, 23-106, pls. ("cerfs").
Dawkins, W. B. 1878 A, 402.
1887 A, 1, pls. i-viii.
Depéret, C. 1905 A, 1518 ("cervidés").
1907 B ("cervidés").
Doran, A. H. G. 1878 A, 429, pl. lxi, fig. 20 ("deer").
Dürst, J. U. 1902 A, 198 ("cerfs").
Elliot, D. G. 1901 A, 33.
Flower, W. H. 1873 B, 103.
Freund, L. 1906 A, 114 ("cerviden").
Furlong, E. L. 1927 A, 152-175.
Gadow, H. 1902 A, 206.
1913 A, 132 ("deer").
Gervais, P. 1859 A, 141 ("cervidés").
Giebel, C. G. 1883 A, 27 ("hirsche").
Gill, T. 1877 A, 135.
Grant, M. 1904 B, 200, 202, 205.
Gray, J. E. 1821 A, 307.
Gregory, W. K. 1927 A, 601 ("deer").
Hamilton, M. of, 1910 A, 199 (Plesiometacarpalia, Telemetacarpalia).
Hay, O. P. 1912 D, 610.
1914 A, 245.
1923 A, 481.
1927 E, 76 ("deer").
Herman, R. 1909 A, 86 (Plesiometacarpalia, Telemetacarpalia).
Hilzheimer, M. 1922 A, 712, 741 ("cerviden").
Hoernes, R. 1886 A, 677.
Holding, R. E. 1905 A, 1.
Hrdlička, A. 1903 A, 375.
Huxley, T. H. 1870 F, 537.
Ihering, H. 1909 A, 285 ("rehe").
Kampfen, P. N. 1905 A, 600.
Khomenko, J. 1913 A, 138.
Kingsley, J. S. 1925 A, 194, fig. 204.
Knottnerus-Meyer, T. 1907 A, 11, 97.
Korff, K. 1914 A, 693.
Laloy, L. 1907 A, 586 ("cervidés").
Lankester, E. R. 1907 A, 108.
Leche, W. 1887 A.
Le Damany, P. 1906 B, 163 ("cerfs").
Leunis and Ludwig 1883 A, 259 (Cervina).

Lobley, J. L. 1908 A, 200, 204.
Loomis, F. B. 1925 B, 226 ("deer").
1925 E, 585, 591, 597, figs. 5, 11, 12 ("deer").
1928 B, 531, figs. 1-6.
Lydekker, R. 1903 B, 201.
1903 D, 124 ("deer").
1909 C, 454.
1913 B, 5.
1915 D, 1.
Mackenzie, W. 1911 A, 363.
Major, C. J. F. 1901 B, 241.
Matschie, P. 1899 A, 130 ("cerviden").
Matthew, W. D. 1904 A, 102.
1908 A, 535, 546, 548, 557, 561.
1909 C, 90, 115, 118, 120.
1910 G, 155.
1913 B, 291.
1915 A, 185, 245, 247, 254, fig. 23.
1915 K, 457, 474, fig. 17 ("deer").
1917 D, 208 ("deer").
1918 A, 221.
1924 C, 193, 202.
1924 E, 745.
1925 D, 34.
1926 B, 6.
1928 B, 968, 980, 981, fig. 16 ("deer").
Matthew and Cook 1909 A, 367, 407.
Matthew and Granger 1924 A, 4, 6.
Meckel, J. F. 1823 A, 4 ("hirsche").
1825 A ("hirsche").
Merriam, J. C. 1915 E, 229.
Miller, G. S. 1912 A, 962.
1912 B, 385.
1924 C, 483.
Murie, J. 1871 B, 440, 446.
Nitsche, H. 1898 A, 1, 58 ("cerviden").
Nopcsa, F. 1923 H, 177 ("cerviden").
O'Harra, C. C. 1910 A, 117, 146.
1920 A, 138.
Osborn, H. F. 1905 I, 106.
1909 D, 123.
1910 B, 609.
Owen, R. 1845 B, 532, 540.
1868 A, 871.
Palacký, J. 1903 B, 313 ("cerviden").
Pander and Alton 1823 A, 7 ("hirsche").
Paulli, S. 1899 A, 165 (Cervus).
Petersen, G. 1921 A, 294.
Pictet, F. J. 1853 A, 345 ("cervidés").
Pocock, R. I. 1910 A, 97 ("deer," Plesiometacarpalia, Telemetacarpalia).
1910 B, 199.
1912 A, 773.
Puccioni, N. 1908 A, 49 ("cervi").
Reid, G. A. 1898 A, 359 ("stags").
Reynolds, S. H. 1897 A, 469, 507.
Rhumbler, L. 1913 A, 577 ("hirsche").
1913 B, 81 ("cerviden").
1914 A, 155 ("cerviden").
Robin and Herrmann 1882 A, 210 ("cervidés").
Rörig, A. 1901 A, 55 ("cerviden").
1902 A, 538 ("cerviden").
1905 A, 17.
Rutten, L. M. R. 1909 A, 62.
Scharff, R. F. 1895 A, 447.
1907 B, 165.
1911 A, 109.
Schlosser, M. 1902 J, 240, 256 ("cerviden").
1903 I, 113, 185.
1911 A, 165 ("cerviden").
1924 B, 634 ("cerviden").
Schmidt, O. 1886 A, 158.
Schwarz, E. 1924 A, 420 ("deer").
Sclater, P. L. 1866 A, 403.
Scott, W. B. 1913 A, 362, 411, 678 (Cervidæ); 411, 421 (Cervicornia).
1916 A, 117 ("deer").
1917 A, 175 ("deer").
Serres, M. 1860 A, 301 ("cerfs").
Seton, E. T. 1909 A, 37.
Stehlin, H. G. 1910 A, 1089 ("cerviden").
Steinmann, G. 1907 A, 497.
Taschenberg, O. 1899 A, 4522.
Thacker, A. G. 1914 A, 283 ("deer").
Thomson, A. 1902 A, 102.
Tims, H. W. M. 1903 A, 143.
Toldt, C. 1905 A, 330, figs. (Cervus).
Tornier, G. 1891 A, 199 ("cerviden").
Tornquist, A. 1897 A, 683 ("hirsche").
Trouessart, E. L. 1905 A, 690.
1906 A, 66.
Underhill, B. M. 1910 A, 82.
Van Bemmelen, J. F. 1918 A, 571.
Vicq-d'Azyr, F. 1792 A, cviii (Ramosi).
Wallace, A. R. 1876 A, I, 120, 155; II, 218.
1894 A, 435.
Weber, M. 1904 A, 643, 666.
Weber and Abel 1928 A, 426, 567, 574.
Williston, S. W. 1912 E, 261.
Winge, H. 1906 A, 70, 109 (Cervini).
Woodward, A. S. 1898 D, 335 ("deer").
1923 C, 41.
Woodward, H. 1904 B, 162.
Wright, R. R. 1883 A, 289.
Zimmer, A. 1905 A, 2 ("cerviden").
Zittel and Schlosser 1911 A, 490 (Cervicornia).
1923 A, 579 (Cervicornia).

CERVULINÆ Sclater.

Sclater, P. L. 1870, Proc. Zool. Soc. Lond., 115.
Zittel, K. A. 1893 B, 385.
Zittel and Schlosser 1911 A, 492.
1923 A, 382.

MACHÆROMERYX Matthew. Type *M. tragulus* Matthew.

Matthew, W. D. 1926 B, 1, 6.

Machæromeryx tragulus Matthew.

Matthew, W. D. 1926 B, 1, figs. 1, 2.
Lower Miocene (Upper Harrison); Nebraska.

BLASTOMERYX Cope. Type *Merycodus gemmifer* Cope.

Hay, O. P. 1902 A, 682.
Abel, O. 1913 B, 743.
Abel, O. 1914 A, 172, fig. 129.
1919 A, 809.

Boule and Thevenin 1920 A, 169, 170.
Brown, A. E. 1904 B, 81.
Cope, E. D. 1880 U, 157.
Depéret, C. 1912 A, 709.
Douglass, E. 1909 A, 457, 477.
Frick, C. 1926 C, 446.
Haug, E. 1911 A, 1705, 1706.
Loomis, F. B. 1925 A, 248.
1925 E, 597, figs. 11, 12.
1928 B, 535, fig. 5.
Lull, R. S. 1920 A, 93, 127.
Lydekker, R. 1909 C, 454.
Matsumoto, H. 1918 C, 76.
Matthew, W. D. 1902 F, 319.
1904 A, 101, 103, 123.
1907 A, 173, 176, 178, 219.
1908 A, 535, 536, 546, 549, 557, 562, figs. 12, 13.
1909 C, 120.
1915 A, 245, 247.
1915 K, 457.
1918 A, 217 (Cervavus).
1923 B, 109.
1924 C, 70, 193.
1924 E, 748.
1926 B, 1, 6.
Matthew and Granger 1924 A, 4, 6.
Merriam, J. C. 1911 B, 207, 215, 217, 221.
1917 A, 437.
1919 A, 451, 532.
Osborn, H. F. 1905 H, 222.
1905 I, 106.
1907 F, 872.
1909 D, 122.
1910 B, 607.
1912 G, 247, 249.
1918 A, 13.
Palacký, J. 1903 B, 312.
Palmer, T. S. 1904 A, 138, 922.
Peterson, O. A. 1912 B, 166.
Scharff, R. F. 1911 A, 110.
Scott, W. B. 1913 A, 224, 241, 414, 657.
Weber, M. 1904 A, 672, 682.
Weber and Abel 1928 A, 591, 603.
Zittel and Schlosser 1911 A, 489.
1923 A, 579, 672, 673 (Blastomeryx); 582, 679 (Cervavus).

Blastomeryx advena Matthew.

Matthew, W. D. 1907 A, 173, 219.
Abel, O. 1914 A, 174, fig. 131.
1919 A, 810, fig. 610.
Boule and Thevenin 1920 A, 170.
Loomis, F. B. 1928 B, 535 (B. adventa).
Lull, R. S. 1920 A, 127.
Matthew, W. D. 1908 A, 540, 541, figs. 4, 6.
1909 C, 114.
1924 C, 67, 194, 196.
1926 B, 3.
O'Harra, C. C. 1910 A, 118, fig. 18.
1920 A, 139, 158, fig. 72.
Scott, W. B. 1913 A, 414, fig. 221.
Stromer, E. 1912 A, 201, fig. 186.
Weber and Abel 1928 A, 604, fig. 398.
Lower Miocene (Upper Harrison); Nebraska.

Blastomeryx elegans Matthew and Cook.

Matthew and Cook 1909 A, 410, fig. 23.
Cook, H. J. 1912 D, 45.
Matthew, W. D. 1918 A, 187, 218.
Merriam, J. C. 1917 A, 437.
Sinclair, W. J. 1915 A, 77.
Upper Miocene (Lower Snake Creek); Nebraska.

Blastomeryx gemmifer Cope.

Hay, O. P. 1902 A, 682.
Abel, O. 1913 B, 743, fig. 64.
Boule and Thevenin 1920 A, 170.
Cook, H. J. 1912 D, 43 (This species?).
Douglass, E. 1903 A, 154.
Gidley, J. W. 1903 C, 634.
Hay, O. P. 1924 A, 17.
Lull, R. S. 1920 A, 127.
Matthew, W. D. 1901 B, 358, 442.
1902 F, 319.
1904 A, 103, 124, text-fig. 17.
1907 A, 219.
1908 A, 544, 545.
1909 C, 115.
1924 C, 72, 193.
Merrill, G. P. 1907 A, 32 (Dicrocerus).
Montgomery, T. H. 1904 A, 57.
Palacký, J. 1903 B, 318.
Trouessart, E. L. 1905 A, 712.
Zittel and Schlosser 1911 A, 489, fig. 683.
1923 A, 579, fig. 724.
Upper Miocene (Pawnee Creek); Colorado, Montana: (Lower Snake Creek); Nebraska: Miocene; Texas.

Blastomeryx marshi Lull.

Lull, R. S. 1920 A, 125, fig. 25.
1922 A, 159, figs. 1, 2.
Matthew, W. D. 1924 C, 193, 194.
1926 B, 3 (Dyseomeryx).
Miocene or Early Pliocene; Nebraska.

Blastomeryx medius Matthew.

Matthew, W. D. 1924 C, 67, 194, 195, fig. 57.
Middle Miocene (Sheep Creek); Nebraska.

Blastomeryx mollis Merriam.

Merriam, J. C. 1911 B, 205, 206, 209, 214, 278, figs. 56, 58.
Miocene (Virgin Valley); Nevada.

Blastomeryx olcotti Matthew.

Matthew, W. D. 1908 A, 538, 539, 543, 544, 548, figs. 2, 3, 7, 11.
Boule and Thevenin 1920 A, 170.
Cook, H. J. 1912 D, 43.
Loomis, F. B. 1928 B, 535 (B. orcotti).
Lull, R. S. 1920 A, 127.
Matthew, W. D. 1926 B, 3.
O'Harra, C. C. 1910 A, 118.
1920 A, 158.
Lower Miocene (Upper Rosebud); South Dakota: (Upper Harrison); Nebraska: Lower Miocene; Wyoming.

Blastomeryx primus Matthew.

Matthew, W. D. 1908 A, 537, 540, 543, 544, 548, figs. 1, 5, 10, 11.
Abel, O. 1914 A, 173, fig. 130.
Boule and Thevenin 1920 A, 170.
Loomis, F. B. 1924 B, 3, figs. 2, 3.
1928 B, 535.
Lull, R. S. 1920 A, 127.
Matthew, W. D. 1926 B, 3.
O'Harra, C. C. 1910 A, 118.
1920 A, 158.
Weber and Abel 1928 A, 605, fig. 399.
Lower Miocene (Upper Rosebud); South Dakota.

Blastomeryx riparius Matthew.

Matthew, W. D. 1924 C, 67, 68, 197, fig. 58 (Dyseomeryx); 197 [B. Dyseomeryx)].
Middle Miocene (Sheep Creek); Nebraska.

Blastomeryx scotti Matthew.

Matthew, W. D. 1924 C, 193, 195.
Scott, W. B., in Scott and Osborn 1890 B, 76, figs. 7-9 (B. gemmifer).
Miocene (Valentine?); Nebraska.

Blastomeryx sinclairi (Matthew).

Matthew, W. D. 1918 A, 187, 218, fig. 17 (Cervavus).
1924 C, 68 (Dyseomeryx); 194 (Blastomeryx); 198 [B. (Dyseomeryx)].
Upper Miocene (Snake Creek); Nebraska.

Blastomeryx vigoratus Hay.

Hay, O. P. 1924 A, 16, pl. ii, figs. 13-16 (Blastomeryx); 19 (Dromomeryx, *errore*).
Upper Miocene (Fleming); Texas.

Blastomeryx wellsi Matthew.

Matthew, W. D. 1904 A, 103, 125, fig. 19.
Boule and Thevenin 1920 A, 170.
Cook, H. J. 1912 D, 45 (This species?).
Gidley, J. W. 1904 A, 245.
Hay, O. P. 1924 A, 17.
Lull, R. S. 1920 A, 128.
Matthew, W. D. 1908 A, 545.
1909 C, 113.
1918 A, 187.
1924 C, 67.
Matthew and Cook 1909 A, 410, 411.
Merriam, J. C. 1917 A, 437 (This sp.?).
O'Harra, C. C. 1910 A, 118.
1920 A, 159.
Sinclair, W. J. 1915 A, 77 (This species?).
Trouessart, E. L. 1905 A, 712.
Weber and Abel 1928 A, 606.
Lower Pliocene (Upper Snake Creek); Nebraska.

Blastomeryx sp. indet.

Dumble, E. T. 1915 A, 471. Miocene (Fleming); Texas.
1920 A, 232. Neocene (Fleming); Texas.
Lull, R. S. 1920 A, 129 ("Blastomeryx").
Matthew, W. D. 1901 B, 358, 442.
1909 C, 114. Lower Miocene; Nebraska.
1915 L, 471. Miocene (Fleming); Texas.
1920 E, 232. Neocene (Fleming); Texas.
1923 A, 12 (Cervavus). Lower Pliocene (Upper Snake Creek); Nebraska.
1924 C, 67 (Dyseomeryx). Lower Pliocene (Upper Snake Creek); Nebraska.
Scott and Osborn 1890 B, 76, figs. 7-9.

DROMOMERYX Douglass. Type *Blastomeryx borealis.*

Douglass, E. 1909 A, 457, 461, 477.
Cook, H. J. 1922 B, 13.
Haug, E. 1911 A, 1705.
Loomis, F. B. 1928 B, 539.
Lull, R. S. 1920 A, 90.
Matsumoto, H. 1921 A, 88.
Matthew, W. D. 1915 A, 247, 251.
1918 A, 217.
1924 C, 193, 200.
1926 B, 6.
Merriam, J. C. 1911 B, 208, 215, 221.
1915 E, 233.
1915 F, 256.
1917 A, 437.
1919 A, 451, 452, 455, 524, 527, 532.
Osborn, H. F. 1910 B, 281, 289, 613.
1918 A, 16, 20, 24.
Peterson, O. A. 1912 B, 165.
Schuchert and Levene 1927 A, 337, fig.
Scott, W. B. 1913 A, 235, 417.
Weber and Abel 1928 A, 603, 606.
Zittel and Schlosser 1923 A, 582, 679.

Dromomeryx angustidens Hay.

Hay, O. P. 1924 A, 16, pl. ii, figs. 6, 7 (This genus?).
Upper Miocene (Fleming); Texas.

Dromomeryx antilopinus Scott.

Hay, O. P. 1902 A, 682 (Blastomeryx).
Douglass, E. 1909 A, 457 (Blastomeryx).
Lull, R. S. 1920 A, 95, 128.
Matthew, W. D. 1901 B, 442 (Blastomeryx).
1904 A, 104 (Palæomeryx).
1908 A, 546 (Blastomeryx).
1909 C, 115 (Palæomeryx).
Scott, W. B. 1913 A, 237, fig. 128.
Trouessart, E. L. 1905 A, 692 (Palæomeryx).
Middle Miocene (Deep River); Montana.

Dromomeryx borealis (Cope).

Hay, O. P. 1902 A, 682 (Blastomeryx).
Dall and Harris 1892 A, 282, 288 (Blastomeryx).
Douglass, E. 1901 B, 237 (Palæomeryx); 457 (Blastomeryx).
1903 A, 153, 155, 197 (Palæomeryx).
1908 A, 258 (Palæomeryx?).
1909 A, 457 (Blastomeryx); 477, pls. lix, lxi; pl. lxii, figs. 3, 4; pl. lxiii, figs. 1, 3, 6; text-figs. 1-3 (Dromomeryx).
Gidley, J. W. 1908 B, 241, figs. 8, 9 (Palæomeryx. This species?).
Hay, O. P. 1924 A, 16.
Lull, R. S. 1920 A, 96, 128.
Matthew, W. D. 1904 A, 104, 128, fig. 21 (Palæomeryx).

Matthew, W. D. 1908 A, 546 (Blastomeryx).
1909 C, 115 (Palæomeryx).
1924 C, 72.
Merriam, J. C. 1911 B, 205, 206, 214, 280, figs. 60, 62 (This species?).
Merriam and Sinclair 1907 A, 179 (Blastomeryx); 196 (Palæomeryx).
Osborn, H. F. 1910 B, 296.
Trouessart, E. L. 1905 A, 692 (Palæomeryx).
Upper Miocene (Lower Snake Creek); Nebraska: Miocene (Virgin Valley); Montana, Nevada.

Dromomeryx madisonius Douglass.

Hay, O. P. 1902 A, 682 (Palæomeryx).
Douglass, E. 1909 A, 473, pl. lxii, figs. 5, 6.
Lull, R. S. 1920 A, 104.
Matthew, W. D. 1904 A, 104 (Palæomeryx).
1908 A, 546 (Palæomeryx).
Trouessart, E. L. 1905 A, 692 (Palæomeryx).
Miocene; Montana.

Dromomeryx parvus Cook.

Cook, H. J. 1922 B, 13, 21, 1 fig.
Pliocene (Snake Creek); Nebraska.

Dromomeryx texanus Hay.

Hay, O. P. 1924 A, 15, pl. ii, figs. 8-12.
Upper Miocene (Fleming); Texas.

Dromomeryx whitfordi Sinclair.

Sinclair, W. J. 1915 A, 77, 90, figs. 17, 18.
Cook, H. J. 1922 B, 13.
Mansuy, —— 1923 A, 102 (D. whithordi).
Matthew, W. D. 1918 A, 187, 217.
1924 C, 72, 193.
Merriam, J. C. 1917 A, 437.
Upper Miocene (Lower Snake Creek); Nebraska.

Dromomeryx sp. indet.

Barbour and Cook 1917 B, 180. Pliocene (Valentine); Nebraska.
Buwalda, J. P. 1916 A, 80. Miocene (Mojave Desert); California.
Cook, H. J. 1922 B, 13, 27, 28, 4 figs. (This genus?). Pliocene (Snake Creek); Colorado.
Dumble, E. T. 1920 A, 232 (This genus?). Neocene (Fleming); Texas.
Matthew, W. D. 1915 L, 471, 472 (This genus?). Miocene (Fleming); Texas.
1920 E, 232 (This genus?). Neocene (Fleming); Texas.
Merriam, J. C. 1911 B, 214. Miocene (Virgin Valley); Nevada.
1919 A, 524, figs. 136, 137 (This genus?). Miocene (Barstow); California.

CERVINÆ Baird.

Baird, S. F. 1857 A, 630.
Hay, O. P. 1902 A, 684.
Abel, O. 1913 B, 744.
1920 A, 437.
Arldt, T. 1912 A, 746.
Beddard, F. E. 1902 A, 293.
Brooke, V. 1878 A, 889 (Plesiometacarpalia).
Chomenko, J. 1913 A, 133.
Elliot, D. G. 1901 A, 34.
Gadow, H. 1902 A, 217.
Hay, O. P. 1912 D, 610.
1914 A, 245.
Hay, O. P. 1927 E, 76 ("deer").
Keuchenius, P. E. 1913 A, 449.
Knottnerus-Meyer, T. 1907 A, 15, 97.
Khomenko, J. 1913 A, 132.
Lydekker 1915 D, 8.
Miller, G. S. 1912 B, 385.
Osborn, H. F. 1910 B, 552.
Trouessart, E. L. 1905 A, 694.
Weber, M. 1904 A, 668.
Weber and Abel 1928 A, 569, 576.
Zittel and Schlosser 1911 A, 493.

Odocoileus Rafinesque. Type *O. speleus* Rafinesque = *Cervus virginianus.*

Rafinesque, C. S. 1832 A, 1, 109.
Hay, O. P. 1902 A, 684 (Dama).
Allen, J. A. 1892 A (Cariacus).
1902 A, 161 (Dama, Odocoileus).
Beddard, F. E. 1902 A, 295 (Cariacus).
Boule and Thevenin 1920 A, 169 (Cariacus).
Brown, A. E. 1904 B, 83 (Mazama).
Camerano, L. 1916 A, 1, pl. ii, fig. 2; pl. iii, figs. 1, 2.
1916 B, 4, 8, pl. i, fig. 8; pl. ii, figs. 1, 8; pl. iii, figs. 1, 5, 12.
Cameron, A. G. 1910 B, 154 ("new world deer").
Cope, E. D. 1880 U, 158 (Cariacus).
Elliot, D. G. 1901 A, 38.
Fischer, J. B. 1829 A, 449 (Cervus).
Foote, J. S. 1916 A, 103, pl. xi (Cariacus).
Gill, T. 1877 A, 135 (Cariacus).
Grant, M. 1904 B, 201.
Gregory, W. K. 1912 F, 285.
Hay, O. P. 1912 D, 610.
1914 A, 245.
1925 D, 245.
Heilprin, A. 1887 A, 381 (Cariacus).
Hermann, R. 1909 A, 86 (Cariacus).
Holmes, F. S. 1870 A, 17 ("deer").
Kampfen, P. N. 1905 A, 600 (Cariacus).
Knottnerus-Meyer, T. 1907 A, 21, 110, fig.
Leuthardt, F. 1891 A, 127 (Cariacus).
Loomis, F. B. 1925 E, 597, figs. 13, 14
1928 B, 535.
Lull, R. S. 1917 B, 301.
Lydekker, R. 1898 D, xv.
1907 B, 58 (Dorcelephas).
1915 D, 153.
Matthew, W. D. 1904 A, 116.
1908 A, 546, 548, 549, 557, 558, 559.
1915 A, 247.
1915 K, 403.
1917 D, 209.
1918 A, 221.
1926 B, 7.
Merriam, C. H. 1892 A, 61 (Cariacus).
Miller, G. S. 1902 A, 39.
1912 B, 385.
1924 C, 484.
Nitsche, H. 1898 A, 23 (Cariacus).

Osborn, H. F. 1905 I, 110 (Cariacus).
1909 D, 131.
1910 B, 625.
Palacký, J. 1903 B, 317, 329 (Cariacus).
Palmer, T. S. 1904 A, 470, 924.
Paulli, S. 1900 A, 215, fig. 25 (Cervus).
Peterson, O. A. 1912 B, 166.
Pocock, R. I. 1910 A, 97 ("american deer").
1912 A, 774, figs. 110, 112.
Rogers, A. F. 1924 A, 544 ("deer").
Scharff, R. F. 1911 A, 108.
Sclater, P. L. 1902 A, 290 (Cariacus).
Scott, W. B. 1913 A, 202, 208, 413, 686.
Sellards, E. H. 1914 A, 162.
Seton, E. T. 1909 A, 68.
Spencer, J. W. 1898 A, 27 ("deer").
Taschenberg, O. 1899 A, 4515 (Cariacus).
Taylor, W. P. 1916 A, 471.
Thomas, O. 1902 B, 197.
Trouessart, E. L. 1905 A, 703.
Weber, M. 1904 A, 668 (Cariacus).
Weber and Abel 1928 A, 571.
Wright, R. R. 1883 A, 300 (Cariacus).
Zittel and Schlosser 1923 A, 583, 681.

Odocoileus columbianus Richardson.

Richardson, J. 1829, Fauna bor.-Amer. I, 257 (Cervus macrotis var. columbiana).
Elliot, D. G. 1901 A, 41.
Furlong, E. L. 1927 A, 148-175, text-figs. 1-15, 19-28.
Hay, O. P. 1927 D, 108.
Lydekker, R. 1915 D, 182.
Miller, G. S. 1912 B, 387.
1924 C, 484.
Sinclair, W. J. 1903 A, 711 (This species?).
1904 A, 17 (This species?).
Recent; from Alaska to southern California and Arizona: Pleistocene; California.

Odocoileus dolichopsis (Cope).

Hay, O. P. 1902 A, 684 (Dama).
1912 D, 615, pl. vi, figs. 2-2*b*.
1923 A, 492.
Trouessart, E. L. 1905 A, 704.
Pleistocene; Indiana.

Odocoileus ensifer (Cope).

Hay, O. P. 1902 A, 684 (Dama).
1927 D, 109 (Cariacus); 251 (Odocoileus).
McCornack, E. C. 1920 A, 16 ("virginia deer").
Matthew, W. D. 1902 F, 321 (Cariacus).
Stock, C. 1925 A, 199.
Pleistocene; Washington State.

Odocoileus hemionus (Rafinesque).

Rafinesque, C. S. 1817, Amer. Monthly Mag., I, 436 (Cervus).
Brown, B. 1908 A, 205.
Cuvier, G. 1925 A, 43, pl. v, fig. 35 (Cervus auritus).
Elliot, D. G. 1901 A, 42.
Freudenberg, W. 1921 A, 139 (Cervus).
1922 A, 5 (Cervus).
Haug, E. 1911 A, 1887.
Hay, O. P. 1914 A, 32.
1924 D, 170, 251.
Lydekker, R. 1907 B, 58 (Dorcelaphus).
Lydekker, R. 1915 D, 176.
Matschie, P. 1899 A, 130, 132 ("grossohrhirsche").
Miller, G. S. 1924 C, 485.
Osborn, H. F. 1910 B, 488.
Peterson, O. A. 1926 A, 257.
Pocock, R. I. 1912 A, 783.
Scharff, R. F. 1911 A, 107.
Scott, W. B. 1913 A, 167, fig. 83.
Seton, E. T. 1909 A, 114, pl. vi; text-figs. 15, 16, 37-55, map 6.
Trouessart, E. L. 1905 A, 704.
Recent; western North America: Pleistocene; Pennsylvania?, Arkansas, Mexico.

Odocoileus lævicornis (Cope).

Hay, O. P. 1902 A, 684 (Dama).
Baker, F. C. 1920 A, 213, 208, 395.
Hay, O. P. 1923 A, 312, 316.
Peterson, O. A. 1926 A, 257.
Rhoads, S. N. 1903 A, 242.
Schlosser, M. 1899 M, 362 (Cariacus).
1902 H, 143 (Cariacus).
Pleistocene (Port Kennedy); Pennsylvania.

Odocoileus osceola (Bangs).

Bangs, O. 1896 B, 26 (Cariacus).
Allen, J. A. 1901 E, 451, fig. 1 (O. virginianus osceola).
Baker, F. C. 1920 A, 374.
Barbour and Allen 1922 A, 71 (O. virginianus osceola).
Elliot, D. G. 1901 A, 40 (O. americanus osceola).
Hay, O. P. 1916 C, 43, pl. viii, figs. 3-5.
1917 A, 72.
1917 E, 45, 50 (This species?).
1918 B, 4.
1923 A, 492.
Hrdlička, A. 1918 A, 26.
Miller, G. S. 1912 B, 389.
1925 C, 487.
Scott, W. B. 1913 A, 179, fig. 100 (O. virginianus osceola).
Sellards, E. H. 1916 C, 130 (O. osceola); 139, 158 (O. sp.); 149, pl. xxv, fig. 3; pl. xxvii, figs. 1, 2 ("Odocoileus").
Simpson, G. G. 1928 H, 2.
Trouessart, E. L. 1905 A, 704.
Walker, S. F. 1883 A, 428 ("deer").
Recent; Florida: Pleistocene (Early); Florida.

Odocoileus sellardsiæ Hay.

Hay, O. P. 1917 E, 45, 50, pl. iii, fig. 4.
1918 D, 461 ("deer").
1923 A, 492.
1927 D, 273.
Loomis, F. B. 1924 C, 503, 506 (O. sellardsi).
Sellards, E. H. 1916 C, 130, 139, 158 (O. osceola, in part).
1916 F, 9 (O. sp.).
1917 D, 142 ("deer").
Pleistocene; Florida.

Odocoileus virginianus (Zimmermann).

Hay, O. P. 1902 A, 684 (Dama).
Agassiz, L. 1859 B, 186 ("deer").
Allen, J. A. 1905 A, 666 ("virginia deer").

Baker, F. C. 1920 A, 465.
Bangs, O. 1896 B, 25 (Cariacus americanus).
Barbour and Allen 1922 A, 65.
Black, D. 1915 A, 348, fig. 12 (Cervus).
Bolton, H. C. 1888 A, 123 ("deer").
Brown, A. E. 1904 B, 83 (Mazama).
Brown, B. 1908 A, 205.
Calvin, J. D. 1911 A, 211 ("deer").
Carman, J. E. 1917 A, 409 (This species?).
Caton, J. D. 1877 A, figures.
Claypole, E. W. 1897 C, 53 ("deer").
Coleman, A. P. 1913 B, 18, 29 ("deer." This species?).
Conrad, T. A. 1835 A, 108 ("deer").
1838 A, x ("deer").
Cope, E. D. 1867 F, 138 ("deer").
1895 G, 596 (Cervus).
Cuvier, G. 1825 A, IV, 33, pl. v (Cervus).
Edwards, J. J. 1902 A, 248 (Cervus. Fossil?).
Elliot, D. G. 1901 A, 39, pl. xv (O. americanus).
Elrod and Benedict 1892 A, 241.
Fischer, J. B. 1829 A, 449 (Cervus).
Foster, J. W. 1869 A, 254 (Cervus).
Frech, F. 1907 A, 315.
Frech and Geinitz 1903 A, 36 (Cervus).
Gidley, J. W. 1903 B, 474.
Giebel, C. G. 1883 A, 139 (Cervus).
Grant, M. 1904 B, 201.
Hahn, W. L. 1909 A, 457.
Hall, J. 1843 A, 364, 366, 367 ("deer").
Haug, E. 1911 A, 1886, 1887.
Hay, O. P. 1912 D, 611, pl. vi, fig. 1; text-fig. 44.
1914 A, 32, 38, 246, 251, pl. xxxi, fig. 5; text-fig. 89.
1917 E, 51.
1918 B, 18.
1920 B, 90, 103, 104, 124.
1923 A, 492.
1924 D, 381.
1927 D, 310.
1928 C, 428.
Higley, W. K. 1891 A, xiv ("deer").
Hildreth, S. P. 1835 A, 148 ("deer." This species?).
Hilgard, E. W. 1872 A, 14 ("deer." This species?).
Holland, W. J. 1908 A, 231 (Cariacus).
1912 B, 750 (Cariacus).
Holmes, F. S. 1859 A, 184 ("deer").
Holmes, W. H. 1903 A, 244 ("deer").
Hrdlička, A. 1903 A, 359, 367, 376, fig. 36 ("virginia deer").
Ingebrigtsen, O. 1924 A, 112.
Knottnerus-Meyer, T. 1907 A, 22.
Leidy, J. 1889 H, 19 (Cervus).
Leverett, F. 1889 A, 189 ("deer").
1897 A, 76, 77 ("deer").
Lull, R. S. 1920 A, 129 (O. americana).
Lydekker, R. 1907 B, 58 (Dorcelaphus).
1915 D, 155, fig. 29.
Manigault, G. E. 1887 A, 130 ("deer").
Matschie, P. 1899 A, 130 ("virginier-hirsch").
Matson and Clapp 1909 A, 136 (Cervus).
Mercer, H. C. 1894 A, 98 ("deer").
Merriam, J. C. 1912 C, 221 (Cervus).
Miller, B. L. 1912 A, 5 (Cariacus).
Miller, G. S. 1902 A, 39 (O. americanus).
1912 B, 386 (O. americanus).
1924 C, 488.
Miller and Stephenson 1912 A, 50, 55 ("deer").
Nitsche, H. 1898 A, 21, pl. v, figs. 1-3 (Cariacus).
Osborn, H. F. 1910 B, 348, 368 ("Odocoileus"); 438 ("white-tailed deer"); 477, 478, 488 (O. virginianus).
Owen, D. D. 1856 A, 8 ("deer").
Palacký, J. 1903 B, 329 (Cariacus).
Peterson, O. A. 1926 A, 257.
Rafinesque, C. S. 1832 A, 109 (O. speleus).
Rhoads, S. N. 1903 A, 241 (O. americanus).
Scharff, R. F. 1911 A, 396.
Schmidt, E. 1872 A, 251 (Cervus).
Sclater, P. L. 1902 A, 290 (Cervus).
Scott, W. B. 1913 A, 166, 412, fig. 81.
Sellards, E. H. 1915 D, 77, 80, 81 (O. virginianus?).
Seton, E. T. 1906 E, 321-341, figs. (O. americanus).
1909 A, 68, pl. v, text-figs. 15-37, map 5.
Shimek, B. 1902 A, 285 (Cervus).
Smallwood, W. M. 1903 A, 26 ("virginia deer").
Smith, B. 1914 B, 65 (O. americanus).
Spencer, J. W. 1895 A, 137 (Cervus).
Stephenson, L. W. 1912 B, 268 ("deer").
Sternberg, C. S. 1903 A, 512 ("deer").
Taschenberg, O. 1899 A, 4515 (Cariacus).
Thomas, O. 1911 A, 585.
Trouessart, E. L. 1905 A, 704.
Volk, E. 1911 A, 83 ("deer").
Worthen, A. H. 1873 A, 308 ("deer").
1890 A, 23 ("deer").
Wright, R. R. 1883 A, 301 (Cariacus).
Wyman, J. 1846 B, 391 ("deer").

Recent; eastern North America, west to the Great Plains: Pleistocene; New York, New Jersey, Pennsylvania, Ohio, Michigan, Indiana, Illinois, Wisconsin, Maryland, Virginia, North Carolina, South Carolina, Florida, Mississippi, Tennessee, Kentucky, Louisiana, Texas?, Oklahoma, Missouri, Kansas, Iowa.

Odocoileus whitneyi (Allen).

Hay, O. P. 1902 A, 684 (Dama).
Baker, F. C. 1920 A, 354, 359, 395.
Freudenberg, W. 1910 A, 23 (O. withneyi).
Hay, O. P. 1914 A, 38, 250.
1923 A, 230.
1924 D, 172.
Trouessart, E. L. 1905 A, 704.

Pleistocene; Illinois, Iowa, Wisconsin.

Odocoileus sp. indet.

Abel, O. 1926 B, 238. Pleistocene (La Brea); California.
Barbour and Cook 1917 B, 180. Pliocene (Valentine); Nebraska.
Bryan, K. 1923 A, 31. Pleistocene; Arizona.
Cook, H. J. 1912 D, 45. Pleistocene (Equus beds); Nebraska.
1926 D, 335 (This genus?). Pleistocene; Colorado, Texas.
Cope, E. D. 1867 F, 138 ("deer"). Pleistocene; Maryland.

Dall and Harris 1892 A, 79 ("deer").
Diller, J. S. 1911 A, 27. Pleistocene; California.
Eaton, G. F. 1923 A, 237, fig. 9. Pleistocene; Mexico.
Frick, C. 1921 A, 296, figs. 5-12, 14 (This genus?); Pleistocene (Bautista); California: 322, figs. 33, 34 ("cervid," This genus?): Pliocene (San Timoteo); California: 378, figs. 95, 96 ("cervid," This genus?): Pliocene (Eden); California.
Furlong, E. L. 1904 A, 54, 55. Pleistocene; California.
1906 A, 243, 245. Pleistocene; California.
Gidley, J. W. 1913, in Matson and Sanford 1913 A, 143 (Cervus sp.).
1920 B, 283 ("deer"). Pleistocene (Middle); Maryland.
1923 B, 31. Pleistocene; Arizona.
1923 D, 75. Pleistocene (Gila conglomerate); Arizona.
1927 E, 274. Pleistocene; Florida.
Harkness, H. W. 1882 A, 5 ("deer"). Pleistocene; Nevada.
Hay, O. P. 1916 E, 53. Pleistocene; Florida.
1919 C, 106. Pleistocene.
1921 A, 610. Pleistocene; Washington.
1924 D, 381. Pleistocene; Iowa, Missouri, Oklahoma, Texas.
1926 C, 2. Pleistocene (Early); Texas.
1927 D, 301, 304, 310. Pleistocene; Arizona, Illinois, Michigan, California, Iowa, Nevada, Texas, Washington.
Holmes, F. S. 1860 A, iii, vi, vii ("deer"). Pleistocene; South Carolina.
Holmes, W. H. 1925 A, 257 ("deer"). Pleistocene; Florida.
Le Conte, J. 1882 B, 9 ("deer"). Pleistocene (Carson); Nevada.
Lull, R. S. 1921 B, 163. Pleistocene; Texas.
McCornack, E. C. 1920 A, 23. Pleistocene (caves); California.
Marcy, O. 1920, in Baker, F. C. 1920 A, 4 ("deer"). Pleistocene (Late Wisconsin); Illinois.
Merriam, J. C. 1915 E, 229, figs. 46-48 (Cervus or Odocoileus). Pleistocene? (Etchegoin); California.
1917 A, 425 (This genus?). Pleistocene (Etchegoin); California: 439. Pleistocene? (Alachua); Florida.
Merriam and Stock 1925 A, 10, 11. Pleistocene (Potter Creek); California.
Miller, L. H. 1912 A, 70, 73.
Osborn, H. F. 1925 D, 531. Pleistocene (La Brea); California.
Rhoads, S. N. 1903 A, 241. Pleistocene (Port Kennedy); Pennsylvania.
Ross, C. P. 1923 A, 75. Pleistocene (Gila conglomerate); Arizona.
Sellards, E. H. 1916 B, 103. Pleistocene; Florida.
1916 D, 616. Pleistocene; Florida.
1916 E, 16, 17. Pleistocene; Florida.
Shuler, E. W. 1923 A, 333 ("deer").
Stock, C. 1925 A, 30, 113, 119. Pleistocene (La Brea, Upper San Pedro, Bautista and Caves); California.
1927 A, 156. Pleistocene; California.
Tuomey, M. 1848 A, 177, 180 ("Cervus"). Pleistocene; South Carolina.
Whitney, J. D. 1879 A, 250 ("Cervus"). Pleistocene; California.

Blastocerus Wagner. Type not determined.

Wagner, J. A. 1844, Suppl. Schreber's Säugethiere, iv, 366-373, tabs. ccxlviii, ccli.
Gray, J. E. 1850, Proc. Zool. Soc. Lond., 237.
Palmer, T. S. 1904 A, 138.
Zittel and Schlosser 1911 A, 494 (Blastoceras).
1923 A, 583.

Blastocerus extraneus Simpson.

Simpson, G. G. 1928 H, 2, 14, fig. 10. Pleistocene (Early); Florida.

Rangifer H. Smith. Type *Cervus tarandus* Linnæus.

Hay, O. P. 1902 A, 686.
Allen, J. A. 1892 A.
1900 B, 1.
1903 A.
Arldt, T. 1907 D, 317-319.
Baker, F. C. 1920 A, 265, 283, 395.
Beddard, F. E. 1902 A, 298.
Behlen, H. 1906 A, 190 (Tarandus).
Boule, M. 1923 A, 500 ("reindeer").
Brandt and Woldrich 1887 A, 106.
Brown, A. E. 1904 B, 77.
Camerano, L. 1916 B, 1, pl. i, figs. 1-7, 10; pl. ii, figs. 1, 2.
Cameron, A. G. 1910 B, 154, 215.
Conwentz 1900 A, 432 ("rentiere").
Cuvier, G. 1825 A, iv, 57-64, pls. iv, v.
Depéret, C. 1912 A, 709 ("renne").
Eichwald, E. 1835 A, 692 (Cervus tarandus).
Elliot, D. G. 1901 A, 35.
Foote, J. S. 1916 A, 106, pl. xi.
Foster, J. W. 1873 A, 88 (Cervus).
Frech, F. 1906 A, 479 ("renntiere").
1907 A, 315 ("ren").
Gaudry, A. 1875 D, 1282 ("rennes").
Geike, J. 1914 A, 326 ("reindeer").
Gervais, P. 1852 A, 81 (Cervus).
1859 A, 144 ("tarandus").
Gidley, J. W. 1912 C, 20.
1913 D, 2.
Giebel, C. G. 1883 A ("renn").
Grant, M. 1903 A, 175.
1904 B, 200.
Hasse and Schwarck 1870 A, 132, figs. 43-45 (Cervus).
Hay, O. P. 1900 G, 893.
1910 D, 372.
1912 D, 630.
1914 A, 273.
1928 B, 237.
Heilprin, A. 1887 A, 381, 382.
Hollister, N. 1912 A, 3.
Hrdlička, A. 1903 A, 375.

Hrdlička, A. 1920 A, 463.
Hue, E. 1907 A, pls. lvii, lviii, lxii, lxxviii, lxxxviii, ciii, cxvii, cxli, cliv, clix, clxviii, clxxxi, clxxxii.
Hull, E. 1914 A, 612 ("reindeer").
Jacobi, A. 1921 A, 209.
Kampfen, P. N. 1905 A, 601, fig. 73.
Knottnerus-Meyer, T. 1907 A, 24, 98, 111, pl. ii, fig. 12.
LeDamany, P. 1906 B, 164 ("rennes").
Leunis and Ludwig 1883 A, 260.
Lönnberg, E. 1909 B, 1.
Loomis, F. B. 1925 E, 597, figs. 13, 14.
1928 B, 534.
Lull, R. S. 1904 C, 8.
Lydekker, R. 1903 A, 360.
1907 B, 51.
1915 D, 238.
Major, C. J. F. 1880 A, 22 (Tarandus).
Matschie, P. 1896 A, 250, 252 ("rentier").
1899 A, 132.
1901 A, 308, 315.
Matthew, W. D. 1908 A, 546, 549, 557.
1915 A, 245, 247.
Merriam, C. H. 1892 A, 62.
Miller, G. S. 1912 A, 979.
1912 B, 391.
1924 C, 491.
Moreau, L. J. 1900 A, 115 ("renne").
Nehring, A. 1880 A (Cervus).
Nitsche, H. 1898 A, 38.
Osborn, H. F. 1909 D, 86, 87.
1910 B, 629.
1912 A, 94.
1912 B, 261, fig. 4.
1912 G, 251.
1912 L, 187, fig. 4.
1916 B, 543, 544.
1926 C, 340.
Owen, R. 1866 B, 464, 468 ("reindeer").
1868 A, 871 (Cervus).
Palmer, T. S. 1904 A, 601, 925.
Pander and Alton 1823 A, 7, pl. iv (Cervus).
Pocock, R. I. 1910 A, 97 ("reindeer").
1910 B, 199 ("reindeer").
1912 A, 774.
Rhumbler, L. 1913 A, 584.
Römer, F. 1907 A, 66 ("rentier").
Rörig, A. 1901 A, 56.
Scharff, R. F. 1895 A, 454.
1907 A, 110, 124 ("reindeer").
1911 A, 3, 35, 80, 154, 155.
Scott, W. B. 1913 A, 208, 689.
1917 A, 132 ("caribou").
Seton, E. T. 1906 C, 426-443, figs. ("caribou").
1909 A, 187, pls. x-xii; text-figs. 80-92, map 8.
Stejneger, L. 1901 B, 112.
Taschenberg, O. 1899 A, 4667.
Toldt, C. 1905 A, 331 ("renntier").
Trouessart, E. L. 1905 A, 700.
1906 A, 66.
Van Bemmelen, J. F. 1918 A, 571 ("reindeer").
Weber, M. 1904 A, 669.
Williston, S. W. 1910 G, 595 ("caribou").
Winge, H. 1906 A, 113.
Wright, G. F. 1911 B, 675 ("caribou").
Wright, R. R. 1883 A, 305.
Zittel and Schlosser 1911 A, 494.
1923 A, 583, 681.

Rangifer arcticus Richardson.

Richardson, J. 1829, Fauna Bor.-Amer., I, 241 (*Cervus tarandus var. articus*).
Allen, G. M. 1914 A, 103, figs. 1-3 (R. *a. caboti*).
Bell, R. 1898 A, 374 ("reindeer").
Gervais, P. 1859 A, 365 (Cervus tarandus).
Gilmore, C. W. 1908 A, 36 (R. arcticos?).
Grant, M. 1903 A, 176, 190, figs.
Hay, O. P. 1914 A, 273, text-fig. 94.
Lönnberg, E. 1909 B, 10.
Miller, G. S. 1912 B, 391.
1924 C, 491.
Quackenbush, L. S. 1909 A, 36, 127.
Richardson, J. 1854 A, 98 ("reindeer." This species?).

Recent and Pleistocene; Alaska, Yukon, Mackenzie.

Rangifer caribou (Gmelin).

Gmelin. J. F. 1788, Syst. Nat., I, 177 (Cervus).
Hay, O. P. 1902 A, 686.
Abbott, C. C. 1881 A, 484.
Allen, J. A. 1900 B, 9.
Baker, F. C. 1920 A, 470.
Brown, A. E. 1904 B, 86.
Caton, J. D. 1877 A, figs.
Coleman, A. P. 1899 A, 195 ("caribou").
1901 A, 298 ("caribou").
1904 A, 353, 366 ("caribou").
1913 B, 18 ("caribou." This species?).
Cuvier, G. 1825 A, IV, 63, pl. iv ("caribou").
Dall, W. H. 1896 A, 854.
Dall and Harris 1892 A, 264.
Dawson, J. W. 1894 D, 4.
Dietrich, W. O. 1910 A, 335.
Elliot, D. G. 1901 A, 35, pl. xiii.
Frech and Geinitz 1903 A, 36 (R. caribu).
Goddard, P. E. 1927 A, 68 ("caribou").
Grant, M. 1903 A, 176, 190, figs.
Hartnagel and Bishop 1921 A, 90 (R. arcticus. This species?).
Haug, E. 1911 A, 1873.
Hay, O. P. 1912 D, 630.
1923 A, 494.
1927 D, 282.
Hull, E. 1908 A, 154 ("woodland caribou").
Hussakof, L. 1916 B, 689 (This species?).
Lambe, L. M. 1912 B, 349.
Lewis, H. C. 1881 A, 544 ("reindeer").
1883 B, 366, 374 ("reindeer").
Lobley, J. L. 1908 A, 195.
Lönnberg, E. 1909 B, 10 ("barren ground caribou").
Loomis and Young 1912 A, 25.
Lydekker, R. 1915 D, 246, fig. 42 (R. tarandus caribou).
Mercer, H. C. 1894 A, 98.
1894 C ("reindeer").
Miller, G. S. 1912 B, 392.
1924 C, 491.
Mitchell, S. L. 1826 A, 26 ("reindeer").
Norton, A. H. 1924 A, 132 ("caribou")

Obalski, T. 1904 A, 216 ("renne").
Osborn, H. F. 1910 B, 440, 489.
Perkins, G. H. 1910 B, 7.
Putnam, F. W. 1884 B, 372 ("antler").
Rhoads, S. N. 1903 A, 241.
Scharff, A. F. 1911 A, 3, 4.
Scott, W. B. 1913 A, 157, 208, 412, fig. 57.
Shaler, N. S. 1877 A, 197 ("caribou").
Trouessart, E. L. 1905 A, 701.
Wilson, T. 1901 A, 333 (Cervus tarandus. This species?).
Woodworth, J. B. 1905 A, 187 ("reindeer").
Wright, G. F. 1911 A, 282 ("caribou").
1911 C, 42 ("caribou").
Recent; Eastern Canada: Pleistocene; Connecticut, Vermont, New York, New Jersey, Pennsylvania, Ontario, Kentucky.

Rangifer grœnlandicus Gmelin.

Gmelin, J. F. 1788, Syst. Nat., I, 177.
Allen, J. A. 1900 B, 9, figs. 1, 10, 13, 14.
Fielden, H. W. 1877 A, 488 (Cervus tarandus).
Fielden and Derance 1878 A, 566 (Cervus tarandus).
Grant, M. 1903 A, 176, 185, figs.
Hay, O. P. 1909 G, 893 (R. tarandus. This species?).
1912 D, 631, text-fig. 48.
1923 A, 246 (R. grœnlandicus, R. tarandus).
Lambe, L. M. 1912 B, 349 (This species?).
Lydekker, R. 1915 D, 256 (R. tarandus grœnlandicus).
Miller, G. S. 1924 C, 492.
Rhoads, S. N. 1903 A, 241.
Trouessart, E. L. 1905 A, 701.
Recent; Greenland: Pleistocene?; Grinnell Land or northern Greenland.

Rangifer muscatinensis Leidy.

Leidy, J. 1879 A, 32.
Hay, O. P. 1902 A, 686 (R. caribou, part).
Baker, F. C. 1920 A, 470.
Calvin, S. 1897 A, 19 ("reindeer").
Hay, O. P. 1914 A, 34, 278, pl. xxxii, figs. 4, 5; pl. xxxiii, figs. 1-4.
1918 B, 20.
1920 B, 113 (This species?).
1923 A, 247, 339.
1928 C, 429.
Keyes, C. R. 1889 A, 121 (Cervus).
Leighton, M. M. 1921 A, 513 (This species?).
Leverett, F. 1899 A, 166 ("deer").
McGee, W J 1887 A, 218 (R. caribou, Cervus muscatinensis).
1891 A, 471 (R. caribou, Cervus muscatinensis).
Tilton, J. L. 1915 A, 236.
dden, J. A. 1899 A, 360 ("caribou").
1901 B, 110 ("deer").
Winchell, N. H. 1907 A, 151 ("reindeer").
Witter, F. M. 1880 A, 16 (R. caribou).
1890 A, 45 (R. caribou).
1892 A, 67 ("reindeer").
1892 B, 276 ("reindeer").
Pleistocene; Iowa, Illinois?

Rangifer sp. indet.

Ferguson, H. G. 1917 A, 182. Pleistocene; Nevada (This genus?).
Gidley, J. W. 1917 C, 182. Pleistocene; Nevada (This genus?).
1924 A, 69 (This genus?). Pleistocene (early); Nevada.
Hay, O. P. 1927 D, 311 (This genus?). Pleistocene; Nevada, Utah.
King, C. 1878 A, 494 ("reindeer"). Pleistocene (Lake Bonneville); Utah.
Koch, A. 1840 A, 3 ("antediluvian reindeer" This genus?). Pleistocene; Missouri.
Tilton, J. L. 1910 A, 950. Pleistocene; Iowa.

Cervalces Scott. Type *Cervus americanus* Harlan = *Cervalces scotti* Lydekker.

Hay, O. P. 1902 A, 685.
Baker, F. C. 1920 A, 195, 333.
Brown, A. E. 1904 B, 88.
Calvin, S. 1909 A, 137.
Dietrich, W. D. 1910 A, 326 (Alces latifrons).
Frech and Geinitz 1903 A, 36.
Gidley, J. W. 1913 D, 2 ("cervalces").
Grant, M. 1904 A, 387.
Hay, O. P. 1912 D, 623.
1914 A, 261.
1918 B, 10.
1919 A, 311.
1919 B, 379.
1923 A, 481.
Heilprin, A. 1887 A, 382.
Holland, W. J. 1912 B, 750.
Matthew, W. D. 1915 K, 410.
Osborn, H. F. 1910 B, 449, 471, 492, 493, 553.
Palmer, T. S. 1904 A, 172, 922.
Reichenau, W. 1900 A, 56 (Alces latifrons).
Scharff, R. F. 1911 A, 32.
Scott, W. B. 1913 A, 208, 413.
Stremme, H. 1911 A, 89.
Trouessart, E. L. 1905 A, 700.
Zittel and Schlosser 1923 A, 583, 680, 681.

Cervalces borealis Bensley.

Bensley, B. A. 1913 A, 1, fig.
Baker, F. C. 1920 A, 456.
Coleman, A. P. 1913 A, 72.
1913 B, 29.
1914 A, 448 ("Cervalces").
Hartnagel and Bishop 1921 A, 68.
Hay, O. P. 1914 A, 263, 269.
1923 A, 226.
Pleistocene (Middle); Toronto, Ontario.

Cervalces roosevelti Hay.

Hay, O. P. 1913 A, 5, text-fig. 1.
Baker, F. C. 1920 A, 259, 283, 395.
Bensley, B. A. 1913 A, 1.
Calvin, S. 1909 A, 137 (Cervalces? This species?).
1909 B, 350, pl. xxii, fig. 3 (C. scotti. This species?).
Hay, O. P. 1914 A, 34, 267, pl. xxxii, figs. 1, 2.

Hay, O. P. 1920 B, 111, 124, pl. vi, figs. 1, 2, 5-8 (This species?).
1923 A, 338, 339.
1928 C, 429.
Leighton, M. M. 1921 A, 513.
Shimek, B. 1909 A, 405 ("Cervalces." This species?).
1910 A, 138 ("Cervalces." This species?).
1911 A, 316 ("Cervalces." This species?).
Pleistocene; Iowa, Illinois?

Cervalces scotti Lydekker.

Lydekker, R. 1898 A, 60, fig. 14 (Alces).
Hay, O. P. 1902 A, 685 (C. americanus).
Abel, O. 1914 A, 177 (C. americanus).
Baker, F. C. 1920 A, 456.
Bensley, B. A. 1913 A, 2.
Cameron, A. G. 1910 B, 215 (Cervalces).
Cooper, Smith and Dekay 1831 A, 371 ("Cervus").
Foster, J. W. 1873 A, 88 (Cervus americanus).
Godman, J. D. 1860 A, II, 265 ("Wistar's fossil elk").
Haug, E. 1911 A, 1887 (C. americanus).
Hay, O. P. 1910 D, 371 (C. americanus).
1912 B, 13.
1912 D, 623, pl. vii; text-fig. 46.
1914 A, 231, text-figs. 91, 92.
1923 A, 481.
Lucas, F. A. 1902 B, 247 ("Cervalces").
Osborn, H. F. 1904 F, 20, 46, fig. 6 (C. americanus).
1910 B, 449, 492, 493, fig. 217 ("Cervalces").
1920 A, 244, fig. ("Cervalces").
Palacký, J. 1903 B, 326 (C. americanus).
Peterson, O. A. 1917 A, 473, fig. 6 ("Cervalces?").
1926 A, 257 (C. americanus).
Rhoads, S. N. 1903 A, 240.
Rörig, A. 1901 A, 66 (C. americanus).
Schuchert, C. 1915 A, 958.
Schuchert and Levene 1927 A, 339 ("stag-moose").
Scott, W. B. 1913 A, 195 (fig. 113); 208, 209 (fig. 117).
Trouessart, E. L. 1905 A, 700 (C. americanus).
Veatch, A. C. 1906 A, 51 ("large elk." This species?).
Williston, S. W. 1897 I, 303, pl. xlvii (C. americanus. This species?).
Pleistocene (Late); Kentucky, New Jersey.

Cervalces sp. indet.

Hay, O. P. 1923 A, 481. Pleistocene; Illinois, Pennsylvania.
1924 D, 262. Pleistocene; Missouri, Virginia.

Alces Gray. Type *Cervus alces* Linnæus.

Gray, J. E. 1821 A, 307.
Hay, O. P. 1902 A, 685.
Abel, O. 1910 B (186), ("elch").
1912 F, 238, fig. 169 (Alces).
Aichel, O. 1917 A, 106, figs. 5, 6 (Cervus).
Allen, J. A. 1892 A.
1902 A, 159 (Paralces).
1903 A (Paralces).
Beddard, F. E. 1902 A, 297.
Behlen, H. 1906 A, 190.
Beyer, H. 1908 A, 81 ("elch").
Boas, J. E. V. 1884 B, 395.
Bojanus, L. H. 1824 A, 272, pl. xxii, figs. 47-49.
Botezat, E. 1904 A, 594 (Cervus).
Brauer, A. 1914 A, 282.
Brown, A. E. 1904 B, 87.
Cameron, A. G. 1910 B, 154, 215.
Caton, J. D. 1877 A.
Dawkins, W. B. 1887 A, 1, pl. i.
Diener, C. 1912 A, 218.
Dietrich, W. O. 1910 A, 318 (Alce).
Elliot, D. G. 1901 A, 37.
Elwes, H. J. 1903 A, 133, figs. 18-26.
Fischer, J. B. 1829 A, 441 (Cervus).
Foote, J. S. 1916 A, 105, pl. xi.
Frech, F. 1906 A, 484.
Geikie, J. 1914 A, 321 ("elk").
Gervais, P. 1852 A, 80 (Cervus).
1859 A, 143 (Alce).
Gidley, J. W. 1912 C, 19.
1913 D, 2 ("moose").
Grant, M. 1904 B, 200.
Hay, O. P. 1912 D, 627.
1914 A, 269.
1915 A, 245, 247.
1918 B, 10.
Heilprin, A. 1887 A, 381.
Hrdlička, A. 1920 A, 463.
Hue, E. 1907 A, pls. lvi, lxii, lxxxvii, cii, cxvi, cxxix, cxl, cliii, clxvii, clxxx.
Ingebrigtsen, O. 1924 A, 96.
Jacobi, A. 1921 A, 209, 218 (Alce).
Knottnerus-Meyer, T. 1907 A, 23, 98, 111, fig. (Alce).
Le Damany, P. 1906 B, 163 ("elan").
Leunis and Ludwig 1883 A, 259.
Leuthardt, F. 1891 A, 126 (Cervus).
Lönnberg, E. 1903 A, 352.
Loomis, F. B. 1905 B, 842 ("moose").
1925 E, 597, 599, figs. 13, 14.
1928 B, 534, fig. 4.
Lydekker, R. 1907 B, 51.
1910 E, 352 ("elk").
1915 D, 228, fig. 35.
Major, C. J. F. 1880 A, 22.
Matschie, P. 1899 A, 132.
1901 A, 315.
Matthew, W. D. 1908 A, 546, 549, 557.
Merriam, C. H. 1892 A, 62 (Alce).
Miller, G. S. 1912 A, 976.
1912 B, 391.
1924 C, 490.
Moreau, L. J. 1900 A, 115 ("elan").
Nehring, A. 1880 A (Cervus).
Newton, E. T. 1891 A, 33.
Nitsche, H. 1898 A, 89.
Osborn, H. F. 1905 I, 110.
1909 D, 86, 87, 89.
1910 B, 438, 440, 449, 466, 605.
1912 A, 94.
1912 G, 251.
1916 B, 535.

Osborn, H. F. 1926 C, 340.
Owen, R. 1845 B, 533, pl. cxxxiv, fig. 6.
1868 A, 759.
Palacký, J. 1903 B, 327, 328.
Pavlow, M. 1906 B, 7.
Pocock, R. I. 1910 A, 97 ("elk").
1910 B, 199 ("moose").
1912 A, 774 (Alce).
Pusch, G. G. 1840 A, 69, 78 (Cervus, Alces).
Reichenau, W. 1900 A, 56 (A. latifrons = Cervalces?).
Rörig, A. 1901 A, 56.
Rosenberg, A. 1873 A, 123 ("elen").
Scharff, R. F. 1911 A, 32, 80.
Scott, W. B. 1913 A, 208, 675 (Alce).
1917 A, 132 ("moose").
Seton, E. T. 1909 A, 144.
Taschenberg, O. 1899 A, 4459.
Thomas, O. 1902 B, 197.
Trouessart, E. L. 1905 A, 700 (Alce).
Upham, W. 1902 A, 149 ("moose").
1903 C, 22679 ("moose").
Wallace, A. R. 1876 A, II, 219.
Weber, M. 1904 A, 669.
Weber and Abel 1928 A, 570, 577.
Winge, H. 1906 A, 112.
Wright, R. R. 1883 A, 296.
Wüst, E. 1901 A, 304 [Cervus (Alces)].
Zittel and Schlosser 1911 A, 494.
1923 A, 583.

Many, perhaps most, writers have used *Alces* as a masculine noun.

Alces americana (Clinton).

Clinton, DeWitt 1822 (*Cervus americanus*). (See Miller, G. S. 1924 C, 490.)
Hay, O. P. 1902 A, 685.
Baker, F. C. 1920 A, 453.
Brandt and Woldrich 1887 A, 106 (Cervus alces).
Caton, J. D. 1877 A, fig.
Cuvier, G. 1825 A, IV, 64, pl. vi (Cervus alces).
Dall, W. H. 1896 A, 854.
Dall and Harris 1892 A, 264.
Dawson, J. W. 1894 D, 4.
Elliot, D. G. 1901 A, 38, pl. xiv.
Fischer, J. B. 1829 A, 441 (Cervus alces).
Foote, J. S. 1921 A, 10, pl. iii, fig. 22.
Frech and Geinitz 1903 A, 36.
Gaudry, A. 1903 A, 553 ("elans").
Goddard, P. E. 1927 A, 68 ("moose").
Grant, M. 1902 A, 225, 14 figs.
1904 A, 374, figs. ("moose").
1904 B, 200.
Hartnagel and Bishop 1921 A, 91.
Haug, E. 1911 A, 1873.
Hay, O. P. 1912 D, 628, fig. 47.
1914 A, 259, 270, fig. 93.
1920 B, 125, pl. vi, figs. 3-4.
1923 A, 479.
1927 D, 125, 282.
Hrdlička, A. 1903 A, 375.
Leidy, J. 1889 H, 19 (Alce).
Lobley, J. L. 1908 A, 195 (A. machlis).
Lydekker, R. 1915 D, 234, fig. 36 (A. alces americanus).
Matschie, P. 1896 A, 252 ("elch").
Merriam, C. H. 1884 A, 40 (Alce).
Miller, G. S. 1912 B, 391.
1924 C, 490.
Obalski, T. 1904 A, 216 ("elan").
Osborn, H. F. 1910 B, 478, 490 (This species?).
Rhoads, S. N. 1903 A, 240.
Scharff, R. F. 1911 A, 32, 56, fig. 3.
Scott, W. B. 1913 A, 151, 156, 202, figs. 65, 202, 208, 412 (Alce).
Seton, E. T. 1906 B, 157-178, figs. ("moose").
1909 A, 144, pls. vii-ix; text-figs. 56-79, map 7.
Trouessart, E. L. 1905 A, 700 (Alce).
Wright, G. F. 1905 A, 18 ("moose").
1911 A, 282 ("moose").
1911 B, 675 ("moose").
1911 C, 42 ("moose").

Recent; Nova Scotia to Montana and northward: Pleistocene; Pennsylvania, Ohio, Illinois, Kentucky, Minnesota, Oklahoma.

Alces brevitrabalis Cope.

Hay, O. P. 1902 A, 685.
1914 A, 273.
1927 D, 251.
McCornack, E. C. 1920 A, 15, 16, 23 (A. sp. *a*).
Matthew, W. D. 1902 F, 321.
Stock, C. 1925 A, 199.

Pleistocene (Early); Washington State.

Alces runnymedensis Hay.

Hay, O. P. 1923 A, 363, 364.
1916 A, 387 ("moose").
1927 C, 282 ("moose").
1919 D, 364 ("moose").

Pleistocene (Early); South Carolina.

Alces semipalmata Cope.

Hay, O. P. 1902 A, 685.
1914 A, 273.
1927 D, 251.
McCornack, E. C. 1920 A, 15, 16, 23 (A. sp. *b*).
Matthew, W. D. 1902 F, 321.
Stock, C. 1925 A, 199.

Pleistocene (Early); Washington.

Alces shimeki Hay.

Hay, O. P. 1914 A, 26, 272, pl. xxxi, fig. 8; pl. xxxii, fig. 3.
Baker, F. C. 1920 A, 226, 243, 395 (A. shimekii).
Hay, O. P. 1928 C, 425.

Pleistocene (Aftonian); Iowa.

Alces sp. indet.

Bretz, J. H. 1913 A, 181 ("elk"). Pleistocene (Admiralty sediments); Washington.
Gilmore, C. W. 1908 A, 36 (Alce). Pleistocene; Alaska.
Hay, O. P. 1927 D, 109, 252, 259. Pleistocene; Washington.
Quackenbush, L. S. 1909 A, 127 (Alce). Pleistocene; Alaska.

CERVUS Linnæus. Type *C. elaphus* Linnæus.

Hay, O. P. 1902 A, 684.
Abel, O. 1909 E (248).
1912 F, 239, 630, 664.
1913 B, 744 ("edelhirsch").
Alezais, —— 1902 A, 586.
Allen, J. A. 1892 A.
Altmann, F. 1925 A, 108.
Ameghino, F. 1885 A, 203.
1889 A, 1008.
1904 A, 215.
Anderson, R. J. 1902 A, 1118.
1905 A, 332.
Antonius, H. O. 1920 A, 37 ("hirsche").
Beddard, F. E. 1902 A, 293.
Bertelli, D. 1909 A, 166.
Beyer, H. 1908 A, 81, 97 ("hirsch").
Boas, J. E. V. 1884 B, 395.
1917 A, 9, pl. ii, fig. 1.
Bonsdorff, E. J. 1871 A, 318.
Botezat, E. 1903 A, 105.
1904 A, 594.
Bronn, H. G. 1848 A, 277.
1849 A, 709, 783, seq.
Brown, A. E. 1904 B, 79.
Brown, B. 1926 A, I, figs. 1-5.
Camerano, L. 1916 A, 3, pl. ii, fig. 1; pl. ii, fig. 10.
1916 B, 5, pl. vii.
Cameron, A. G. 1910 A, 51.
1910 B, 154, 215.
Carus, V. 1875 A, 154.
Carus and Engelmann 1861 A, 1720.
Cooke, C. W. 1926 A, 445 ("elk," "reindeer").
Dana, J. D. 1863 C, 336 ("stag").
Dawkins, W. B. 1878 A, 403.
1887 A, 11.
De Stefani, C. 1921 A, 256.
Dietrich, K. 1841 A, 87.
Dietrich, W. O. 1910 A, 318.
Döderlein, L. 1902 A, 420.
Doran, A. H. G. 1878 A, 429, pl. lxi.
Eichwald, E. 1835 A, 689.
Eimer, G. H. T. 1901 A, 218.
Elliot, D. G. 1901 A, 34.
Fischer, J. B. 1829 A, 440.
Frey, H. 1911 A, 418.
Geikie, J. 1914 A, 326 ("red-deer").
Geinitz, E. 1903 A.
1904 A.
Geoffroy St. Hilaire, E. F. 1824 F, 82.
1832 A, 355 ("cerf").
Gervais, P. 1859 A, 145.
Gidley, J. W. 1912 C, 19.
Giebel, C. G. 1855 A, 66.
Gill, T. 1877 A, 136.
Grant, M. 1904 B, 201.
Haller, G. 1922 A.
Hasse and Schwarck 1870 A, 134.
Hay, O. P. 1909 A, 892.
1912 D, 616.
1914 A, 252.
1923 A, 481.
Hamilton, Marquis of, 1910 A, 199 ("red deer").
Heilprin, A. 1887 A, 380, 381.
Hensel, R. 1879 A, 555.
Hermann, R. 1907 B, 284, fig. 1.
Hilzheimer, M. 1922 A, 712, 749.
Hoernes, R. 1912 A, 663.
Holding, R. E. 1905 A, 1.
Hrdlička, A. 1903 A, 377.
Hue, E. 1907 A, pls. lix, lxii, lxxviii, lxxxvii, cii, cxvi, cxxx, cxl, cliii, clxvii, clxxxiii.
Huxley, T. H. 1856 A, 46 ("deer").
1870 F, 542.
Kampfen, P. N. 1905 A, 600.
Khomenko, J. 1913 A, 139.
Knottnernus-Meyer, T. 1907 A, 25, 98, 112, fig.
Köstlin, O. 1844 A.
Korff, K. 1914 A, 691-732, pls. xxiii, xxiv; text-figs. 1-11.
Leunis and Ludwig 1883 A, 262.
Leuthardt, F. 1891 A, 127.
Leydig, F. 1859 A, 705 ("hirsch").
Loder, E. G. 1914 A, 488.
Loomis, F. B. 1905 B, 842 ("elk").
1925 E, 591, 597, figs. 5, 11, 12.
Lubosch, W. 1914 A, 425.
Lydekker, R. 1902 A, 375.
1907 B, 52.
1910 E, 352 ("red deer").
1915 D, 46.
Major, C. J. F. 1901 B, 241.
Matschie, P. 1899 A, 130, 132 ("edelhirsch").
1907 B, 221.
Matsumoto, H. 1926 C, 23.
Matthew, W. D. 1908 A, 549, 557, 558, 559.
1910 G, 155.
1915 A, 247.
1915 K, 403.
Merriam, C. H. 1892 A, 62.
Merriam, J. C. 1915 E, 193, 194, 299.
1917 A.
Meckel, J. F. 1825 A.
Miller, G. S. 1912 A, 962.
1912 B, 385.
1924 C, 483.
Nehring, A. 1880 A.
Newton, E. T. 1882 A, 52.
1891 A, 25.
Nitsche, H. 1898 A, 1-80, pls. i-iii; pl. v, figs. 5, 6; pl. x.
Nopcsa, F. 1923 H, 170 ("hirsche").
Osborn, H. F. 1909 D, 86, 87, 89.
1910 A, 214.
1910 B, 609.
1912 G, 251.
1916 B, 537.
1926 C, 340.
Owen, R. 1845 B, 533, pl. cxxxiv.
1868 A, 628.
Palacký, J. 1903 B, 318.
Palmer, T. S. 1904 A, 174, 922.
Pander and Alton 1823 A, 7, pl. v.
Pavlow, M. 1906 B, 20.
Perna, G. 1906 A, 131.
Petronievics, B. 1921 A, 108.
Pocock, R. I. 1910 A, 97.
1912 A, 778, fig. 110.
Rhumbler, L. 1913 A, 578.
1914 A, 154 ("hirsch").
Rörig, A. 1901 A, 56.
1902 A, 541.

Scharff, R. F. 1895 A, 447.
1911 A, 68.
Schlosser, M. 1903 I, 113, 121, 186, 209.
1904 C, 96.
1924 B, 636.
Schmidt, O. 1886 A, 162, fig. 24 ("red deer").
Scott, W. B. 1913 A, 208, 678.
Seeley, H. G. 1872 A, 277 ("deer").
Serres, M. 1852 A, 121 ("cerf").
Seton, E. T. 1909 A, 37.
Stejneger, L. 1907 A, 462.
Strasser, H. 1885 A, 204.
Stromer, E. 1906 A, 217.
Taschenberg, O. 1899 A, 4526.
Tornier, G. 1903 A, 453, figs. 1-11.
Trouessart, E. L. 1905 A, 694.
1906 A, 66.
Virchow, H. 1909 A, 419, figs. 1, 2.
Wallace, A. R. 1876 A, I, 492.
Weber, M. 1904 A, 670, 672.
Weber and Abel 1928 A, 573, 577.
Weber and Burlet 1927 A, 251, fig. 190.
Wherry, G. 1902 A, 973 ("stag").
Winge, H. 1906 A, 112.
Wright, R. R. 1883 A, 291.
Wüst, E. 1901 A, 304, 310 (Elaphus).
Zietzschmann, O. 1917 A, 442.
Zimmer, A. 1905 A, 2 ("hirsche").
Zittel and Schlosser 1911 A, 494.
1923 A, 583, 680.

Cervus canadensis Erxleben.

Hay, O. P. 1902 A, 685.
Anderson, R. J. 1902 A, 1119, fig. 2.
Antonius, H. O. 1920 A, 40 ("wapiti").
Baker, F. C. 1920 A, 456.
Bell, R. 1898 A, 377.
Blatchley, W. S. 1898 A, 90 ("elk").
Botezat, E. 1903 A, 106 ("wapiti").
Brandt and Woldrich 1887 A, 104 (C. elaphus).
Brown, A. E. 1904 B, 80.
Brown, B. 1908 A, 204.
Caton, J. D. 1877 A, figures.
Clark, J. M. 1888 A, 389 ("elk"?).
1904 A, 931 ("elk").
Coleman, A. P. 1904 A, 351 ("wapiti").
1917 A, 359 ("wapiti").
Cuvier, G. 1825 A, IV, 26, pl. iii.
Dawson, J. W. 1863 F, 914.
Dietrich, W. O. 1910 A, 334.
Edwards, J. J. 1902 A, 248 (Cariacus americanus, This species?).
Elliot, D. G. 1901 A, 34, pl. xii.
Elrod and Benedict 1892 A, 240 ("elk").
Fischer, J. B. 1829 A, 442.
Gaudry, A. 1875 A, 1282.
1903 A, 553 ("cerfs").
Gidley, J. W. 1911 A, 436 ("Cervus?").
Hahn, W. L. 1909 A, 454.
Harlan, R. in Conrad, T. A. 1838 A, xi ("elk").
1842 B, 143 ("elk").
Hartnagel and Bishop 1921 A, 88.
Haug, E. 1911 A, 1886, 1887.
Hay, O. P. 1912 D, 616, text-fig. 45.
1914 A, 32, 38, 252, pl. xxxi, figs. 6, 7; text-fig. 90.
1918 C, 346.
Hay, O. P. 1920 B, 92, 103, 116, 124, pl. iii, fig. 16.
1923 A, 481.
1927 D, 303.
Henning, C. L. 1912 A, 602.
Hermann, R. 1909 A, 86.
Hitchcock, E. 1885 A, 450 ("elk").
Holding, R. E. 1905 A, 1, fig. B ("wapiti").
Holmes, F. S. 1859 A, 184 ("elk").
1860 A, vi, vii ("elk").
Holmes, W. H. 1903 A, 244 ("elk").
Hussey, J. 1878 A, 476 ("elk." This species?).
Lambe, L. M. 1904 C, 31, 39, 51.
1912 A, 14.
Lindgren and Drake 1904 A, 3 (This species?).
Lydekker, R. 1910 B, 988, fig. 143.
1915 D, 129, fig. 24.
M'Caslin, D. S. 1883 A, 169 ("elk." This species?).
Matschie, P. 1896 A, 252 ("rothirsch").
1907 B, 221.
Matsumoto, H. 1926 D, 36.
Matthew, W. D. 1915 A, 245.
Mercer, H. C. 1894 A, 98 ("elk").
Merriam, C. H. 1884 A, 143 ("elk").
Miller, B. L. 1912 A, 5.
Miller, G. S. 1912 B, 385.
1924 C, 483.
Miller and Stephenson 1912 A, 50, 55 ("elk").
Newberry, J. S. 1870 D, 28 ("elk." This species?).
Nitsche, H. 1898 A, 40, pls. vi, vii.
Obalski, T. 1904 A, 216 ("cerf à grands bois").
Osborn, H. F. 1909 D, 90.
1910 B, 440, 450, 478, 488, 489.
Pavlow, M. 1906 A, 200.
Peabody, C. 1913 A, 4 ("elk").
Phinney, A. J. 1883 A, 181 ("elk").
Pocock, R. I. 1912 A, 774, fig. 108.
Putnam, F. W. 1900 B, 275 ("elk." This species?).
1911 A, vi ("elk").
Quackenbush, L. C. 1909 A, 127 ("Cervus")
Rhoads, S. N. 1903 A, 241.
Rhumbler, L. 1913 B, 90.
Rörig, A. 1901 A, 56.
Savage, J. 1878 A, 10 ("elk").
Scharff, R. F. 1895 A, 448.
1911 A, 56, 67, 80.
Schmidt, E. 1872 A, 251.
Schmidt, O. 1886 A, 163.
Scott, W. B. 1913 A, 151, 155 (fig. 63), 202, 208, 412.
Seton, E. T. 1906 A, 15-33, figs.
1909 A, 37, pls. i-iv; text-figs. 2-14, map 4.
Shaler, N. S. 1877 A, 197 ("elk").
Spencer, J. W. 1883 A, 308.
Stephenson, L. W. 1912 B, 268 ("elk").
Trouessart, E. L. 1905 A, 698.
Volk, E. 1911 A, 111, 123-127, pls. xciii-xcv: text-fig. 24 (This species?).
1912 A, 185 ("elk." This species?).
Weber and Abel 1928 A, 568, 580, fig. 388.
Worthen, A. H. 1873 A, 308 ("elk").
1890 A, 23 ("elk").
Wright, R. R. 1883 A, 292, fig. 145.
Wyman, J. 1846 B, 391 (Elephas can.).

Zdansky, O. 1925 A, 80, pl. xv, figs. 1-5; pl. xvi, fig. 103 (C. c. fossilis).
1927 A, 16, text-fig. 6 (C. c. mongoliæ).
1928 A, 106, pls. xii, xiii (C. c. mongoliæ).
Recent; Minnesota west to Vancouver Island, south to New Mexico: Pleistocene; Ontario, Vermont, New York, Pennsylvania, Michigan, Indiana, Illinois, Wisconsin, Maryland, North Carolina, South Carolina, Georgia?, Tennessee, Kentucky, Arkansas, Missouri, Kansas, Iowa, California?, Washington.

Cervus fortis Cope.

Hay, O. P. 1902 A, 685.
Gilbert, G. K. 1890 A, 394.
Hay, O. P. 1927 D, 111.
Palacký, J. 1903 B, 318.
Pleistocene ("Loup Fork"); Oregon.

Cervus lucasi Hay.

Hay, O. P. 1927 D, 303, pl. ix, figs. 7, 8.
Lucas, F. A. 1900 H, 99 ("Cervus, possibly new").
1904 F, 3 ("Cervus, possibly new").
Merriam, J. C. 1917 A, 432 (Sp. indet.).
Pleistocene? (Idaho); Idaho.

Cervus sp. indet.

Cook, H. J. 1912 D, 45. Pliocene (Snake Creek); Nebraska.
Cope, E. D. 1883 L, 166 ("Cervus." This genus?). Pleistocene (Idaho); Idaho.
Gidley, J. W. 1915 D, 20 ("Cervus." This genus?). Florida.
1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1923 A, 481. Pleistocene; Idaho, Georgia, Tennessee.
1924 D, 375. Pleistocene; Arkansas, Iowa, Kansas, Missouri, Oklahoma.
1927 C, 282 ("reindeer"). Pleistocene; Florida.
1927 D, 302, 303. Pleistocene; California, Florida, Idaho; 274 (Taurotragus?). Pleistocene; Florida.
Merriam, J. C. 1915 E, 228, figs. 46-48 ("Cervus or Odocoileus"). Pliocene? (Etchegoin); California.
1916 E, 172. Pleistocene? (Etchegoin); California.
1917 A, 425 (This genus?); Pliocene (Etchegoin); California.
Shimek, B. 1910 B, 316 ("Cervus"). Pleistocene (Aftonian); Iowa.
Sinclair, W. J. 1915 A, 77. Pliocene (Snake Creek); Nebraska.

Sangamona Hay. Type *S. fugitiva* Hay.

Hay, O. P. 1920 B, 91.
Zittel and Schlosser 1923 A, 583 (Sangonoma).

Sangamona fugitiva Hay.

Hay, O. P. 1920 B, 91, 102, 111, pl. iii, figs. 14, 15; pl. v, figs. 5, 6.
1928 C, 429.
Leighton, M. M. 1921 A, 513.
Pleistocene (Middle); Tennessee, Maryland, Illinois.

Sangamona? sp. indet.

Hay, O. P. 1921 A, 608, 610 (This genus?). Pleistocene; Oregon, Washington.
1927 D, 109, 259 (This genus?). Pleistocene; Oregon, Washington.

Merycodontidæ Matthew.

Matthew, W. D. 1904 A, 102, 103.
Arldt, T. 1912 A, 746 (Merycodontinæ).
Grant, M. 1904 B, 202 ("merycodonts").
Hilzheimer, M. 1922 A, 745.
Matthew, W. D. 1907 A, 176.
1909 C, 114, 115, 118, 120 (Merycodontinæ).
Osborn, H. F. 1905 H, 222.
Osborn, H. F. 1905 I, 106.
1909 D, 129.
1910 B, 289, 295, 356, 454, 553.
Peterson, O. A. 1912 B, 164.
Scharff, R. F. 1911 A, 112 (Merycodontinæ).
Scott, W. B. 1913 A, 362, 414.
Trouessart, E. L. 1905 A, 667 (Agriochœridæ).

Merycodus Leidy. Type *M. necatus* Leidy.

Hay, O. P. 1902 A, 683.
Baird, S. F. 1876 A, 336 (Dicroceras).
Boas, J. E. V. 1914 B, 594.
Brown, A. E. 1904 B, 81 (Cosoryx).
Chandler, A. C. 1914 A, 155.
Cope, E. D. 1874 U, 148 (Cosoryx).
1880 U, 157 (Cosoryx).
Dall and Harris 1892 A, 316 (Cosoryx).
Depéret, C. 1912 A, 709.
Douglass, E. 1909 A, 477.
Frick, C. 1926 A, 20.
Furlong, E. L. 1927 A, 145-175.
Giebel, C. G. 1883 A, 135.
Haug, E. 1911 A, 1706.
Hay, O. P. 1925 D, 245.
Hilzheimer, M. 1922 A, 745.
Loomis, F. B. 1925 E, 593, 597, figs. 6, 11, 12.
1928 B, 535, fig. 6.
Lydekker, R. 1914 B, 229.
Matthew, W. D. 1902 F, 318.
1904 A, 101, 103, 105, 111, 123.
1908 A, 542.
1909 C, 120.
1915 A, 250.
1915 K, 458, fig. 32.
1918 A, 219.
1924 C, 70, 198, 200.
1924 E, 748.
1926 B, 6.
Matthew and Cook 1909 A, 411.
1909 B, 197.
Merriam, J. C. 1911 B, 207, 208, 215, 217, 221.

Merriam, J. C. 1915 F, 256.
1917 A.
1919 A, 451, 452, 517, 528, 537.
Merriam and Pack 1913 A, 128.
Merriam, Stock, Moody 1925 A, 59.
Osborn, H. F. 1905 I, 106.
1909 D, 79 (Cosoryx).
1910 B, 623.
1918 A, 16, 24, 33 (Merycodus); 27 (Cosoryx).
Palmer, T. S. 1904 A, 201, 922 (Cosoryx); 411, 924 (Merycodus).
Peterson, O. A. 1912 B, 165.
Scharff, R. F. 1911 A, 112.
Schlosser, M. 1924 B, 639.
Scott, W. B. 1913 A, 224, 414.
Taylor, W. P. 1911 A, 191.
Trouessart, E. L. 1905 A, 712.
Troxell, E. L. 1916 A, 347.
Wallace, A. R. 1876 A, I, 138; II, 220.
Weber, M. 1904 A, 672 (Cosoryx).
Zittel and Schlosser 1911 A, 496.
1923 A, 587, 673, 679.

Merycodus agilis (Douglass).

Hay, O. P. 1902 A, 683.
Douglass, E. 1903 A, 155.
Matthew, W. D. 1904 A, 123.
1909 C, 118.
Trouessart, E. L. 1905 A, 712 (Syn.? of M. furcatus).
Middle Miocene (Madison Valley); Montana.

Merycodus altidens Matthew.

Matthew, W. D. 1924 C, 68, 200, fig. 60 (This genus?).
Parks, W. A. 1925 C, 432, 434.
Lower Pliocene (Upper Snake Creek); Nebraska.

Merycodus? coronatus Merriam, J. C.

Merriam, J. C. 1913 C, 336, figs. 1-3.
Abel, O. 1914 A, 182, fig. 140.
Merriam, J. C. 1919 A, 450, 517, 521, 527, fig. 135*a*.
Upper Miocene (Barstow); California.

Merycodus furcatus (Leidy).

Hay, O. P. 1902 A, 683.
Baird, S. F. 1876 A, 336 (Antilope).
Cope, E. D. 1874 U, 148 (Cosoryx).
1885 FF, 793, fig. 4 (Cosoryx).
Furlong, E. L. 1927 A, 146-176, pls. xxiv, xxvi; text-figs. 1-16, 20-28.
Louderback, G. D. 1924 A, 9.
Matthew, W. D. 1904 A, 103, 110, 122, figs. 5, 6.
1909 C, 118.
1924 C, 200.
Merriam, J. C. 1911 B, 205, 206, 214, 284, fig. 66 (This species?).
1916 A, 194, figs. 43-45.
1919 A, 453, 454.
Merrill, G. P. 1907 A, 31 (Cosoryx); 32 (Dicrocerus).
Osborn, H. F. 1918 A, 17, 27.
Parks, W. A. 1925 C, 432.
Scott, W. B. 1913 A, 415.
Trouessart, E. L. 1905 A, 712.
Lower Pliocene (Valentine); Nebraska: (Santa Fe); New Mexico: (Virgin Valley); Nevada: (Cedar Mountain); California.

Merycodus grandis Hay.

Hay, O. P. 1924 A, 17, pl. iii, figs. 9-11.
Upper Miocene (Fleming); Texas.

Merycodus necatus Leidy.

Hay, O. P. 1902 A, 683.
Abel, O. 1914 A, 182, fig. 140.
Baird, S. F. 1876 A, 336 (Cervus warrenii).
Barbour, E. H. 1914 B, 189.
1914 C, 222.
Barbour and Cook 1917 A, 172.
1917 B, 180.
Cook, H. J. 1912 D, 45 (This species?).
Dall and Harris 1892 A, 292 (Merycadus).
Douglass, E. 1903 A, 155, 197, fig. 36 (This species?).
Furlong, E. L. 1927 A, 146-176, pls. xxiv-xxvii; text-figs.
Gidley, J. W. 1904 A, 245.
Hay, O. P. 1927 D, 136 (This species?).
Louderback, G. D. 1924 A, 9 (This species?).
Matthew, W. D. 1904 A, 103, 121.
1909 C, 118.
1918 A, 187, 219, fig. 18.
1924 C, 68, 70, 72, 200, 204.
Merriam, J. C. 1911 E, 168, pl. xxix, figs. 6-8.
1913 C, 338, fig. 4.
1915 E, 233.
1916 A, 197, fig. 42 (This species?).
1916 C, 127, figs. 16-21 (This species?).
1917 A, 426, 431, 437 (This species?).
1919 A, 450, 453, 517, 525, 527, figs. 113-117, 126-134, 234-252 (This species?).
Merrill, G. P. 1907 A, 28 (Cervus warreni); 33 (Dicrocerus); 48 (Merycodus).
Osborn, H. F. 1918 A, 23.
Parks, W. A. 1925 C, 432.
Sinclair, W. J. 1915 A, 77 (This species?).
Trouessart, E. L. 1905 A, 712.
Miocene (Bijou Hills); South Dakota: (Sheep Creek, Snake Creek, Valentine and Devil's Gulch); Nebraska: (Chanac); California.

Merycodus necatus sabluonis Matthew and Cook.

Matthew and Cook 1909 A, 411, fig. 24.
Barbour, E. H. 1915 A, 92.
Matthew, W. D. 1924 C, 200.
Merriam, J. C. 1917 A, 426, 431, 437.
Troxell, E. L. 1916 A, 347.
Upper Miocene (Lower Snake Creek); Nebraska.

Merycodus nevadensis Merriam.

Merriam, J. C. 1911 B, 205, 209, 214, figs. 64, 65.
Miocene (Virgin Valley); Nevada.

Merycodus osborni Matthew.

Matthew, W. D. 1904 A, 103, 107, pl. iii; text-figs. 1-4, 7-16; frontispiece.
1909 C, 115.
1924 C, 72, 200.

Matthew and Cook 1909 A, 412.
Merriam, J. C. 1919 A, 519.
Osborn, H. F. 1904 F, 36.
1905 I, pl. vi.
1910 B, 294, fig. 146.
Parks, W. A. 1925 C, 432.
Scott, W. B. 1913 A, 415, fig. 222.
Trouessart, E. L. 1905 A, 712.
Zittel and Schlosser 1911 A, 497, fig. 694.
1923 A, 587, fig. 735.
Upper Miocene (Pawnee Creek); Colorado, South Dakota.

Merycodus ramosus (Cope).

Cope, E. D. 1874 U, 148 (Cosoryx).
Hay, O. P. 1902 A, 683.
Matthew, W. D. 1904 A, 103, 122 (This species?).
1909 C, 118.
1924 C, 200.
Merrill, G. P. 1907 A, 31 (Cosoryx).
Parks, W. A. 1925 C, 432 (M. ramulosus).
Trouessart, E. L. 1905 A, 712.
Lower Pliocene (Santa Fé); New Mexico.

Merycodus tehuanus (Cope).

Hay, O. P. 1902 A, 683.
Matthew, W. D. 1909 C, 118 (This genus?).
1924 C, 200 (Dicrocerus).
Merrill, G. P. 1907 A, 33 (Dicrocerus).
Lower Pliocene (Santa Fé); New Mexico.

Merycodus warreni (Leidy).

Leidy, J. 1858 E, 23 (Cervus).
Hay, O. P. 1902 A, 683 (M. necatus in part).
Leidy, J. 1869 A, 172, 379, pl. xxvii, fig. 12 (Cervus).
Matthew, W. D. 1924 C, 200.
Parks, W. A. 1925 C, 432.
Lower Pliocene (Valentine); Nebraska.

Merycodus sp. indet.

Buwalda, J. P. 1916 A, 80. (Mojave Desert); California.
1924 A, 572. Middle Neocene (Payette); Idaho.
Cook, H. J. 1922 B, 12 (This genus?). Pliocene (Snake Creek); Colorado.
Douglass, E. 1907 A, 809 (Cosoryx). Miocene; Montana.
Frick, C. 1921 A, 382, fig. 102 (Merycodus? Ilingoceros? Antilocapra?). Pliocene (Eden); California.
1926 A, 106. Miocene (Pawnee Creek); Colorado.
Furlong, E. L. 1927 A, pls. xxv, xxvi, xxviii. Miocene (Barstow); California.
Gidley, J. W. 1918 C, 180. Late Tertiary (Flaxville); Montana.
1922 B, 120, 121. Pleistocene (San Pedro Valley); Arizona.
1926 A, 83. Upper Pliocene or Lower Pleistocene.
Hay, O. P. 1924 D, 169. Pliocene?; Montana.
Matthew, W. D. 1923 A, 12 (This genus?). Lower Pliocene (Upper Snake Creek); Nebraska.
Matthew and Cook 1909 A, 412, fig. 25.
Merriam, J. C. 1914 A, 280, fig. 3 (This genus?).
1915 B, 287, figs. 4, 5. Miocene?; California.
1917 A, 437, 438. Miocene (Snake Creek and Republican River); Nebraska.
1919 A, 518, figs. 118-125. Miocene (Barstow); California.
Merriam and Pack 1913 A, 128. Miocene; California.
Sinclair, W. J. 1915 A, 77. Pliocene (Snake Creek); Nebraska.
Stock, C. 1925 A, 21 (This genus?). Lower Pliocene (Eden); California.

CAPROMERYX Matthew. Type *C. furcifer* Matthew.

Matthew, W. D. 1902 F, 318.
Chandler, A. C. 1916 A, 111.
Diener, C. 1912 A, 216.
Furlong, E. L. 1927 A, 155, 167.
Gidley, J. W. 1913 D, 3.
Hay, O. P. 1925 D, 245.
Loomis, F. B. 1928 B, 542.
Matthew, W. D. 1904 A, 104, 126.
1918 A, 219.
1924 C, 204.
1926 B, 6.
Merriam, J. C. 1915 G, 100 ("deer-antelope").
Osborn, H. F. 1909 D, 86, 87.
1910 B, 454, 456, 553.
1925 D, 532.
Palmer, T. S. 1904 A, 159, 922.
Scharff, R. F. 1911 A, 113.
Scott, W. B. 1913 A, 417.
Stremme, H. 1911 A, 88.
Taylor, W. P. 1911 A, 191, 196.
Trouessart, E. L. 1905 A, 712.
Weber, M. 1904 A, 682.
Weber and Abel 1928 A, 591.
Zittel and Schlosser 1911 A, 496.
1923 A, 587, 680.

Capromeryx furcifer.

Matthew, W. D. 1902 F, 318.
Baker, F. C. 1920 A, 209, 213, 395.
Freudenberg, W. 1910 A, 28.
Haug, E. 1911 A, 1886.
Hay, O. P. 1914 A, 26.
1928 C, 423, 425.
Matthew, W. D. 1904 A, 104, 127, fig. 20.
1918 A, 227.
Osborn, H. F. 1910 B, 456.
Parks, W. A. 1925 C, 432.
Trouessart, E. L. 1905 A, 712.
Pleistocene (Sheridan); Nebraska.

Capromeryx mexicana Furlong.

Furlong, E. L. 1925 A, 145, figs. 7-10.
1927 A, 149-175; text-figs. 1-17, 20-28.
Pleistocene; Mexico.

Capromeryx minor Taylor.

Taylor, W. P. 1911 A, 192, figs. 1-6 (This genus?).
Chandler, A. C. 1914 A, 155.
1916 A, 111, figs. 1-4.

Freudenberg, W. 1922 A, 5.
Furlong, E. L. 1925 A, 150, fig. 11.
1927 A, 159.
Hay, O. P. 1927 D, 303.
Merriam, J. C. 1908 D, 473 ("deer-like animal").
1918 D, 519 ("Capromeryx").
Merriam and Stock 1925 A, 11.
Miller, L. H. 1912 A, 78.
Osborn, H. F. 1925 D, 531.
Parks, W. A. 1925 C, 432, 434.
Stock, C. 1925 A, 30, 118.
Wyman, L. E. 1922 A, 29, fig. 20.
Pleistocene (La Brea); California, Mexico.

Capromeryx sp. indet.

Freudenberg, W. 1921 A, 139. Pleistocene; Mexico.
1922 A, 5. Pleistocene; Mexico.
Hay, O. P. 1927 D, 162. Pleistocene (Bautista); California.
Stock, C. 1925 A, 119. Pleistocene (Bautista); California.

Superfamily BOVOIDÆ, new form.

Unless otherwise indicated the authors, as cited, use for this superfamily the name Pecora.

Hay, O. P. 1902 A, 681 (Boöidea).
Abel, O. 1913 B, 729, 745 (Cavicornia).
1914 A, 184 (Boödontia).
Ameghino, F. 1889 A, 1024 (Ruminantia).
Beddard, F. E. 1902 A, 290.
Beyer, H. 1908 A, 81 ("wiederkäuer").
Black, N. 1900 A, 11.
Boas, J. E. V. 1914 B, 589.
Bonaparte, C. L. 1833 A, 1043 ("ruminants").
Burmeister, H. 1879 B, 454 (Ruminantia).
Carus, V. 1875 A, 148 (Cavicornia).
Carus and Engelmann 1861 A, 1296, 1687 (Ruminantia, in part).
Clark and Sonntag 1926 A, 482.
Cope, E. D. 1891 N, 87 (Boöidea).
Cuvier, G. 1805 A ("ruminans").
1825 A, IV, 1-228, pls. i-xiii ("ruminans").
Dana, J. D. 1863 C, 336 ("ruminants").
Dietrich, K. 1841 A, 86 ("wiederkäuer").
Duméril, A. M. C. 1806 A, 24 (Ruminantia).
Eisler, P. 1895 A, 54 ("wiederkäuer").
Ellenberger and Baum 1903 A ("wiederkäuer").
Ganzer, H. 1908 A, 159 ("wiederkäuer").
Gaupp, E. 1905 D, 1039 (Ruminantia).
Gervais, P. 1853 B, 30 ("ruminants").
Giebel, C. G. 1883 A, 25 ("wiederkäuer").
Gill, T. 1872 B, 8, 24 (Boöidea).
Gray, J. E. 1821 A, 307 (Ruminantia).
Gregory, W. K. 1910 A, 23, 24, 30, 33 (Pecora); 18, 466 (Ruminantia).
Hasse and Schwarck 1870 A, 130 (Ruminantia).
Hay, O. P. 1912 D, 609 (Boöidea).
1914 A, 244 (Boöidea).
Hoernes, R. 1886 A, 679 (Cavicornia).
Hogben, L. T. 1919 A, 75.
Huene, F. 1912 F, 522 ("wiederkäuer").
Humphrey, G. M. 1876 A, 664 ("ruminants").
Ihde, —— 1912 A, 265 ("ruminanten").
Jaeger, G. F. 1842 A, 438 ("wiederkäuer").
Jaekel, O. 1911 A, 234 (Ruminantia).
Knottnerus-Meyer, T. 1907 A, 9, 97, 104 (Ruminantia).
Köstlin, O. 1844 A ("wiederkäuer").
Kowalewsky, W. 1877 A, 148 ("wiederkäuer").
Kükenthal, W. 1913 A, 683 (Ruminantia, in part).
Laloy, L. 1907 A, 586 ("ruminants").
Ledouble, A. F. 1906 A, 550, 589 ("ruminants").
Leunis and Ludwig 1883 A, 242 (Cavicornia).
Linnæus, C. 1758 A, 65.
Lull, R. S. 1904 C, 2.
Lydekker, R. 1907 B, 13.
1913 B, 4, 8.
Magitot, E. 1875 A, 80 ("ruminants").
Martins, C. 1857 A, 69 ("ruminants").
Matthew, W. D. 1904 A, 102 (Booidea).
1907 A, 178.
1915 A, 242 ("ruminants").
Matthew and Granger 1925 C, 10.
Meckel, J. F. 1823 A, 1 ("wiederkäuer").
1825 A ("wiederkäuer").
Nat. Sci. 1898 A, 371 ("ruminants").
Oken, L. 1823 A, 341 ("rinder").
Osborn, H. F. 1909 D, 76.
1910 B, 551.
1912 B, 255 ("cattle").
Pander and Alton 1823 A, 1, 6 ("wiederkäuer").
Petersen, G. 1921 A, 295 (Cavicornia).
Reichert, K. B. 1849 A, 474 ("wiederkäuer").
Reid, G. A. 1898 A, 359 ("horned ruminants").
Retterer, E. 1884 A, 490 ("ruminants").
Retzius, A. 1849 A, 664 (Ruminantia).
Reynolds, S. H. 1897 A, 553 (Ruminantia, Pecora).
Rhumbler, L. 1914 A, 154 ("cavicornier").
Robin and Herrmann 1882 A, 205 ("ruminants").
Rutland, J. 1901 A, 21033 ("ruminants").
Schlosser, M. 1899 T, 451 ("rinder").
Schmidt, O. 1886 A, 173 (Cavicornia).
Scott, W. B. 1896 D, 57.
1913 A, 409, 421.
Serres, M. 1852 A, 145 ("ruminants").
1852 B, 197 ("ruminants").
Stehlin, H. G. 1910 A, 1143 (Ruminantia).
Terra, P. 1911 A, 327.
Vivq-d'Azyr, F. 1792 A, cviii (Ruminantes).
Wagner, R. 1843 A ("ruminanten").
Wallisch, W. 1906 A, 307 ("wiederkäuer").
Weber, M. 1904 A, 628, 643, 655 (Ruminantia); 645 (Selenodontia).
Weber and Abel 1928 A, 565 (Pecora).
Weber and Burlet 1927 A, XV (Pecora).
Winge, H. 1906 A, 70 (Bovidæ).
Wright, R. R. 1883 A, 276, 289 (Ruminantia, Pecora).
Zimmerman, A. 1912 A, 650 ("wiederkäuer").

GIRAFFIDÆ Gray.

Gray, J. E. 1821 A, 307.
Abel, O. 1914 A, 121, 180, 181.
1919 A, 813.
Black, D. 1915 A, 329.
Bohlin, B. 1927 A, 1-178.
Cope, E. D. 1887 B, 379.
Falconer, H. 1868 A, 197.
Flower and Lydekker 1891 A, 330.
Gill, T. 1872 B, 76.
Knottnerus-Meyer, T. 1907 A, 35.
Lydekker, R. 1882 B, 99 (Camelopardalidæ).
1885 C, 58.
1914 B.
Major, C. J. F. 1891 A, 315.
1901 B, 242.
Matthew, W. D. 1925 D, 35, 40.
1928 B, 968, 981, fig. 16.
Owen, R. 1845 B, 529 ("giraffe").
Palmer, T. S. 1904 A, 925.
Pilgrim, G. E. 1911 A, 1, 23.
Reynolds, S. H. 1897 A, 469.
Schlosser, M. 1903 I, 97 (Camelopardalidæ).
Schwarz, E. 1924 A, 421 ("giraffes").
Weber, M. 1904 A, 682.
Weber and Abel 1928 A, 426, 538, 595.
Woodward, A. S. 1898 B, 368.
Zittel, K. A. 1893 B, 407 (Giraffinæ).
Zittel and Schlosser 1911 A, 495.
1923 A, 585 (Giraffinæ).

GIRAFFA Brisson. Type *G. giraffa* Brisson (= *Cervus camelopardalis* Linnæus).

Brisson, M. J. 1762, Regn. animale, etc., 2d ed., 12, 37-38.
Abel, O. 1914 A, 181 (Camelopardalis).
Altmann, F. 1925 A, 109 (Camelopardalis).
Atzkern, J. 1923 A, 126 ("giraffe").
Black, D. 1915 A, 329, figs. 1-3.
Bohlin, B. 1927 A, 130, pls. xi, xii.
Bonsdorff, E. J. 1871 A, 318 (Camelopardalis).
Carus and Engelmann 1861 A, 1717 (Camelopardalis).
Doran, A. H. G. 1878 A, 429, pl. lxi.
Falconer, H. 1845 A, 362, pl. xiv (Camelopardalis).
1868 A, 197, 398, 543, pl. xvi (Camelopardalis).
Flower and Lydekker 1891 A, 331, fig. 136.
Gaudry, A. 1867 A, 245, pl. xl (Camelopardalis).
Knottnerus-Meyer, T. 1907 A, 35.
Loomis, F. B. 1925 E, 598, figs. 13, 14.
1928 B, 537, figs. 7, 8 (Camelopardalis, Giraffa).
Lydekker, R. 1882 B, 100, 102, pl. xvi (Camelopardalis).
1885 C, 71.
Major, C. J. F. 1891 A, 316.
1901 B, 242.
Matsumoto, H. 1926 C, 17.
Matthew, W. D. 1925 D, 37, 39, fig. 20.
Meckel, J. F. 1823 A, 12 ("giraffen").
Nopcsa, F. 1926 A, 645 ("giraffine").
Osborn, H. F. 1925 F, 961 ("giraffe").
Owen, R. 1842 G, 217, pls. xl-xliv ("giraffe").
1866 B, 463, 475, figs. 310, 325, 326 (Camelopardalis).
Palmer, T. S. 1904 A, 295, 926.
Pilgrim, G. E. 1911 A, 6.
Reynolds, S. H. 1897 A, 359, 445, 501, 507 ("giraffe").
Schlosser, M. 1903 I, 97 (Camelopardalis).
Taschenberg, O. 1899 A, 4583.
Trouessart, E. L. 1898 A, 962.
Weber, M. 1904 A, 22, 683, fig. 19.
Weber and Abel 1928 A, 596, 597, fig. 390.
Weithofer, A. 1888 A, 281, pl. xvi (Camelopardalis).
Winton, W. E. de 1897 A, 273-283, figs. 1-4.
Woodward, A. S. 1898 B, 369.
Wright, R. R. 1883 A, 312 (Camelopardalis).
Zittel, K. A. 1893 B, 408 (Camelopardalis).
Zittel and Schlosser 1911 A, 496 (Camelopardalis).
1923 A, 585, 676, 677 (Camelopardalis).

Giraffa nebrascensis Matthew.

Matthew, W. D. 1925 D, 35, figs. 14, 15.
Pleistocene (Loess); Nebraska.

ANTILOCAPRIDÆ Gray.

Gray, J. E. 1866 C, 326.
Hay, O. P. 1902 A, 686.
Abel, O. 1913 B, 729, 745.
1914 A, 121, 181 (Antilocaprinæ).
1919 A, 815.
Arldt, T. 1907 D, 247, 321.
1912 A, 700, 746.
Beddard, F. E. 1902 A, 306.
Caton, J. D. 1877 A (Antilocaprinæ).
Chandler, A. C. 1914 B, 134 (Antilocaprinæ).
Elliot, D. G. 1901 A, 43.
Furlong, E. L. 1927 A, 148-176.
Gill, T. 1885 B, 18.
Grant, M. 1904 B, 203.
Hay, O. P. 1914 A, 283 (Antilocaprinæ).
Knottnerus-Meyer, T. 1907 A, 115 (Antilocaprinæ).
Lydekker, R. 1907 B, 46.
1913 B, 5.
1914 B, 229.
Lyon, M. W. 1908 A, 398 (Antilocaprinæ).
1908 B, 693 (Antilocaprinæ).
Matthew, W. D. 1901 B, 442.
1908 A, 561.
1909 C, 114, 115, 118, 120.
1915 K, 457 ("antilocaprids").
1918 A, 22.
1924 C, 198, 202.
1926 B, 6, 7.
Matthew and Cook 1909 A, 367 (Antilocaprinæ).
Miller, G. S. 1912 B, 393.
Nitsche, H. 1898 A, 81.
Osborn, H. F. 1905 I, 107.

Osborn, H. F. 1909 D, 77, 86.
1910 B, 357, 553.
Palacký, J. 1903 B, 313 ("antilocapriden").
Scharff, R. F. 1911 A, 113.
Schwarz, E. 1924 A, 420 ("prongbucks").
Sclater, P. L. 1866 A, 403.
Scott, W. B. 1913 A, 362, 416.
Seton, E. T. 1909 A, 210.
Skinner, M. P. 1922 A, 82.
Trouessart, E. L. 1905 A, 711 (Antilocapridæ); 712 (Antilocaprinæ).
Wallace, A. R. 1876 A, II, 223 (Antilocaprinæ).
1894 A, 435.
Weber, M. 1904 A, 681.
Weber and Abel 1928 A, 590 (Antilocaprinæ).
Zittel and Schlosser 1911 A, 496.
1923 A, 586, 602.

ANTILOCAPRA Ord. Type *A. americana* Ord.

Ord, G. 1818, Jour. Physique, LXXXVII, 149.
Hay, O. P. 1902 A, 686.
Allen, J. A. 1892 A.
Arldt, T. 1907 D, 256.
Beddard, F. E. 1902 A, 307.
Boas, J. E. V. 1914 B, 594.
1917 A, 3, pl. i, figs. 5-7; pl. ii; text-figs. 1-4.
Carus, V. 1875 A, 153.
Caton, J. D. 1877 A, figures.
Chandler, A. C. 1916 A, 112.
Doran, A. H. G. 1878 A, 424, pl. lxi.
Douglas, E. 1909 A, 470, 475.
Elliot, D. G. 1901 A, 43.
Fryxell, F. M. 1926 A, 333.
Gadow, H. 1902 A, 207, 213.
Gidley, J. W. 1912 C, 19.
Grant, M. 1904 B, 202, 203, 205.
Gray, J. E. 1866 C, 323.
Gregory, W. K. 1912 F, 288.
Haug, E. 1911 A, 1886.
Hay, O. P. 1914 A, 284.
1923 A, 337.
1925 D, 245.
Hilzheimer, M. 1922 A, 745.
Howes, G. B. 1902 A, 523.
Hrdlička, A. 1903 A, 377.
1920 A, 464.
Kampfen, P. N. 1905 A, 605.
Knottnerus-Meyer, T. 1907 A, 115, pl. iii, fig. 18.
Leunis and Ludwig 1883 A, 253.
Loomis, F. B. 1925 E, 600, figs. 15, 16.
1928 B, 542.
Lull, R. S. 1904 C, 8.
1920 A, 88.
1921 B, 165.
Lydekker, R. 1914 B, 230.
Lyon, M. W. 1908 B, 693.
Matthew, W. D. 1902 F, 318.
1904 A, 105, 116, 119.
1915 A, 250.
1915 K, 403.
1918 A, 221.
1924 C, 200, 206.
1924 E, 748.
1926 B, 6.
Merriam, C. H. 1892 A, 61.
Merriam, J. C. 1911 B, 288.
Miller, G. S. 1912 B, 393.
1924 C, 493.
Murie, J. 1871 B, 440.
Nitsche, H. 1898 A, 71, 80.
Osborn, H. F. 1905 I, 110.
1909 D, 85-87.
1910 B, 454, 456, 460, 553.
Palmer, T. S. 1904 A, 109, 914.
Parks, W. A. 1925 C, 432.
Reynolds, S. H. 1897 A, 417.
Schlosser, M. 1903 I, 169, 173.
1904 C, 98.
1906 A, 169, 173.
Schmidt, O. 1886 A, 161.
Sclater, P. L. 1866 A, 403.
1875 A, 219.
Scott, W. B. 1913 A, 225, 675.
Seton, E. T. 1909 A, 209.
Skinner, M. P. 1922 A, 82.
Taschenberg, O. 1899 A, 4463.
Trouessart, E. L. 1905 A, 713.
Weber, M. 1904 A, 21, 681, fig. 18.
Weber and Abel 1928 A, 591.
Wherry, G. 1902 A, 973.
Winge, H. 1906 A, 118 (Dicranoceros).
Wright, R. R. 1883 A, 333.
Zittel and Schlosser 1911 A, 496.
1923 A, 587, 680-682.

Antilocapra americana Ord.

Ord, G. 1815, Guthries' Geog., 2d Amer. ed., II, 292 (Antilope).
Hay, O. P. 1902 A, 686.
Baker, F. C. 1920 A, 454.
Beddard, F. E. 1902 A, 306.
Brown, A. E. 1904 B, 70 ("prong-horn").
Buwalda, J. P. 1914 A, 451 ("antelope"; This species?).
Chandler, A. C. 1914 A, 155 ("Antilocapra").
Doran, A. H. G. 1878 A, 424, pl. lxi.
Elliot, D. G. 1901 A, 43, pl. xvi.
Forbes, W. A. 1880 A, 127, figs. 1-3.
Frech, F. 1907 A, 315.
Furlong, E. L. 1927 A, 148-175, text-figs. 1-15, 18, 20-28.
Gervais, P. 1859 A, 365.
1875 A, 49, pl. D.
Gibbs, M. 1898 A, 198.
Giebel, C. G. 1878 D, 856 (A. americana, A. furcifer).
Gray, J. E. 1866 C, 323.
Hay, O. P. 1914 A, 26, 38, 284, pl. xxxiii, figs. 5, 6; pl. xxxiv, fig. 3.
1921 A, 626.
1923 A, 9, 343.
1927 B, 61.
1927 D, 301 (Antilocapra).
1928 C, 425 (This species?).
Lobley, J. L. 1908 A, 195.
Lull, R. S. 1920 A, 89, figs. 5, 9-25.
Lydekker, R. 1907 B, 46, fig. 33.
1914 B, 230, fig. 37.
Lyon, M. W. 1908 A, 393, 397.
Matschie, P. 1896 A, 252 ("gabelgemse").

Matthew, W. D. 1902 E, 318 (A. americana?); 320 ("Antilocapra").
1904 A, 104.
1918 A, 227.
Merriam, J. C. 1911 B, fig. 77.
1914 B, 201 ("antelope").
1918 D, 520 ("Antilocapra").
Merriam and Stock 1925 A, 11 (This species?).
Miller, G. S. 1912 B, 393.
1924 C, 493.
Murie, J. 1870 A, 334, figs. 1-9.
Nitsche, H. 1898 A, 71, pl. xi, figs. 8-11.
Osborn, H. F. 1910 B, 438, 454.
Owen, R. 1866 B, 473.
1868 A, 625.
Palacký, J. 1903 B, 330.
Savage, J. 1878 A, 10 ("antelope").
Scharff, R. F. 1911 A, 112.
Schlosser, M. 1903 I, 169, fig. 32.
Sclater, P. L. 1866 A, 401.
Scott, W. B. 1913 A, 162, 202, 416, 417, fig. 74.
Seton, E. T. 1906 D, 33-49, figs.
1909 A, 209, pls. xiv-xxi; text-figs. 93-99; map 9.
Skinner, M. P. 1922 A, 82, pls. vi-ix.
Taylor, W. P. 1911 A, 191.
Wright, R. R. 1883 A, 333, fig. 160.
Wyman, L. E. 1922 A, 29.
Recent; Mexico to California and British America: Pleistocene; Illinois, Oregon, California, Nebraska?

Antilocapra sp. indet.

Freudenberg, W. 1921 A, 139 (A. sp. nov.). Pleistocene; Mexico.
1922 A, 5, 28. Pleistocene; Mexico.
Frick, C. 1921 A, 300, figs. 13, 17, 18 (This genus?). Pleistocene (Bautista); California; 379, figs. 97-101 (This genus?): Pliocene (Eden); California.
Hay, O. P. 1927 D, 301 (Antilocapra); 162 (Antilocapra? or Neotragus?). Pleistocene; California, Oregon.
McCornack, E. C. 1920 A, 17, 23 ("antelope"). Pleistocene (Fossil Lake); Oregon.
Merriam and Stock 1921 A, 567 (This genus?). Pleistocene (Early); California.
1925 A, 11 (This genus?). Pleistocene (McKittrick); California.
Miller, L. H. 1912 A, 81. Pleistocene (Fossil Lake); Oregon.
Osborn, H. F. 1925 D, 541 ("Antilocapra"). Pleistocene (La Brea); California.
Parks, W. A. 1924 A, 38 (This genus?). Pleistocene (Late); Saskatchewan.
1925 A, 226 ("antilocaprid"). Post-glacial; Saskatchewan.
Stock, C. 1925 A, 21 (This genus?). Lower Pliocene (Eden): Pleistocene (Bautista); California: (Christmas Lake); Oregon.

ALETOMERYX Lull. Type *A. gracilis* Lull.

Lull, R. S. 1920 A, 85.
Loomis, F. B. 1928 B, 539.
Matthew, W. D. 1924 C, 198.
1926 B, 3, 6.
Weber and Abel 1928 A, 603, 606.

Aletomeryx gracilis Lull.

Lull, R. S. 1920 A, 85, pl. i; text-figs. 1, 2, 4-25.
Matthew, W. D. 1924 C, 193.
O'Harra, C. C. 1920 A, 159.
Upper Miocene or Lower Pliocene; Nebraska.

TETRAMERYX Lull. Type *T. shuleri* Lull.

Lull, R. S. 1921 B, 163.
Matthew, W. D. 1926 B, 6.

Tetrameryx shuleri Lull.

Lull, R. S. 1921 B, 163, figs. 2, 3.
Furlong, E. L. 1927 A, 149, 157 (T. schuleri).
Hay, O. P. 1924 D, 384.
Shuler, E. W. 1923 A, 333 ("four-horned antelope").
Pleistocene (Early); Texas.

NEOMERYX Parks. Type *N. finni* Parks.

Parks, W. A. 1925 C, 432.

Neomeryx finni Parks.

Parks, W. A. 1925 C, 432, pl. x.
Hay, O. P. 1927 D, 284.
Late Pleistocene or early Recent; Saskatchewan.

BOVIDÆ Gray.

Gray, J. E. 1821 A, 308.
Hay, O. P. 1902 A, 686.
Abel, O. 1909 D, (222) ("boviden").
1913 B, 729, 746 (Boödontia).
1921 A, ("rinder").
Ahrens, H. 1912 B, 49 ("rind").
Anderson, R. J. 1902 C, 785 ("oxen").
1912 D, 253.
Arldt, T. 1907 D, 202, 255 (Cavicornia); 641 (Bovidæ).
Atzkern, J. 1923 A, 125 ("cavicornier").
Baird, S. F. 1876 A, ccviii ("oxen").

Baum, H. 1920 A, 19, figs. 1, 2, 6, 9 ("rind").
Baur, G. 1886 N, 118 ("pecoriden").
Beddard, F. E. 1902 A, 307.
Behlen, H. 1906 A, 187 (Cavicornia); 191 ("boviden").
Bertelli, D. 1909 A, 166, fig. 17 (Bos).
Black, D. 1915 A, 348.
Blanford, W. T. 1901 A, 298.
Boas, J. E. V. 1890 B, 530, 2 figs. ("rind").
1917 A, 3.
Bonaparte, C. L. 1832 A, 291 (Cavicornia).
Boule, M. 1923 A, 45, 54 ("ox").
Broom, R. 1926 A, 260, fig. 3 (Bos).
Carnot, A. 1892 A, 1190 ("boeuf").
Carus, V. 1875 A, 149 (Bovina).
Carus and Engelmann 1861 A, 1715.
Case, E. C. 1889 B, 175 (Cavicornia).
Chandler, A. C. 1914 B, 134.
Chomenko, J. 1913 A, 141 (Cavicornia).
Cope, E. D. 1891 N, 87.
Cuvier, F. 1825 A, 231 ("boeufs").
Doran, A. H. G. 1878 A, 425.
Duerst, J. U. 1902 A, 197 ("cavicornes"); 202 ("bovidés").
1902 B, 1 (Cavicornia).
1903 A, 360 (Cavicornia).
1903 B, 342 ("cavicornes").
Eichwald, E. 1835 A, 686 ("boves").
Eimer, G. H. J. 1901 A, 131 (Cavicornia).
Elliot, D. G. 1901 A, 44.
Engelmann, O. 1910 A, 486 ("rind").
Flower, W. H. 1892 A, 43.
Frassetto, F. 1903 A, 184, 340.
Froriep, A. 1886 A, 72, pls. i-iii; text-figs. 1-8 ("rind").
Gadow, H. 1902 A, 206.
1913 A, 132 ("cattle").
Gervais, P. 1852 A, 69 (Bos).
1859 A, 130 ("bovidés").
Giebel, C. G. 1883 A ("bovinen").
Goodman, N. 1868 A, 109 ("cow").
Goodsir, J. 1868 A, 53 ("ruminants").
Grant, M. 1904 B, 196, 205.
Gray, J. E. 1825 B, 342.
Gregory, W. K. 1910 A, 70, 345 (Cavicornia).
1920 A, 193 (Pecora).
Haeckel, E. 1873 A, 554 (Cavicornia).
Haller, G. 1922 A (Capra, Bos).
Hasse, G. 1911 B, 311 ("bovidés").
Hasse and Schwarck 1870 A, 130 (Bos).
Hay, O. P. 1912 D, 632.
1914 A, 282.
Hoernes, R. 1886 A, 679 (Cavicornia).
Huxley, T. H. 1855 B, 130 ("calf").
1856 A, 46 ("oxen").
1870 F, 537.
Jackson, J. W. 1915 A, 293.
Kampfen, P. N. 1905 A, 604.
Knottnerus-Meyer, T. 1907 A, 85, 101.
1910 A, 589.
1911 A, 14 ("rinder").
Kowalewsky, W. 1877 A, 148 (Bovina).
Kowarzik, R. 1911 A, 107.
Krukenberg, A. 1849 A, 413 ("ochsen").
La Baume, W. 1909 A.
Laloy, L. 1907 A, 586 ("cavicornes").
Lankester, E. R. 1907 A, 108.
Lankester, E. R. 1908 A, 324 ("bovines").
Leche, W. 1887 A (Cavicornia).
Ledouble, A. F. 1906 A, 548 ("bovidés").
Leunis and Ludwig 1883 A, 244 (Bovina).
Lobley, J. L. 1908 A, 195, 200, 213.
Loomis, F. B. 1925 E, 585 ("bovids").
Lull, R. S. 1904 C, 8.
Lydekker, R. 1907 B, 13.
1910 C, 12.
1913 B, 4, 9.
Lyon, M. W. 1908 A, 397.
Mackenzie, W. 1911 A, 363.
Major, C. J. F. 1880 A, 23 ("boviden").
Marchlewski, T. 1926 A, 95 ("cattle").
Matthew, W. D. 1904 A, 102.
1908 A, 559, 561.
1915 A, 187, 248, 254, figs. 24, 27.
1915 K, 457, fig. 17 ("cattle").
1918 A, 221.
1925 D, 34, 35.
Meckel, J. F. 1825 A ("ochsen").
Miller, G. S. 1912 A, 986.
1912 B, 394.
1924 C, 494.
Murie, J. 1871 B, 440, 446.
Nitsche, H. 1898 A, 68, 80 ("boviden").
Nopcsa, F. 1923 H, 177 ("cavicornier").
1926 A, 644 (Cavicornia).
Osborn, H. F. 1909 D, 122.
1912 L, 179, fig. 2 ("cattle").
Owen, R. 1845 B, 528.
1848 B, pl. ii, fig. 18.
1868 A, 867.
Palacký, J. 1903 B, 313 ("boviden").
Pander and Alton 1823 A, 7 ("ochsen").
Paulli, S. 1899 A, 161, fig. 7 ("kalb").
1900 A, 227, pls. xiii, xiv; text-figs. 38-40 (Bos).
Pavlow, M. 1906 B, 52.
Perna, G. 1906 A, 131, pl. vi, fig. 20 (Bos).
Petersen, G. 1921 A, 291 ("rind").
Pfeiffer, H. 1854 A, 9 ("wiederkäuer").
Pilgrim, G. E. 1913 A, 302.
Popowa, N. 1913 A, 279 ("rind").
Pouchet and Chabry 1884 A, 160 ("veau").
Puccioni, N. 1908 A, 49.
Rehs, J. 1914 A, 49.
Reid, G. A. 1898 A, 359.
Retterer and Lelièvre 1912 A, 371 ("boeufs").
Retzius, A. 1837 A, 488, pl. xxi, fig. 6 ("ochsen").
Reynolds, S. H. 1897 A, 468, 507, 523.
Rhumbler, L. 1914 A, 154 ("rinder").
Robin and Herrmann 1882 A, 251 ("boeufs").
Rutland, J. 1901 A, 21033 ("hollow-horned Herbivora").
Rutten, L. M. R. 1909 A, 72.
Schlosser, M. 1899 T, 454 ("boviden").
1903 I, 187, 212 ("Cavicornia").
1904 C, 93, 98 (Bovidæ); 95 ("cavicornier").
Schwarz, E. 1924 A, 421 ("cattle").
Sclater, P. L. 1866 A, 403.
Scott, W. B. 1913 A, 362, 418 (Bovidæ); 416, 678 (Cavicornia).
Serres, M. 1860 A, 301 ("boeufs").
Seton, E. T. 1909 A, 247.
Sisson, S. 1910 A, 112, figs. 88-104 ("ox").

Steinmann, G. 1907 A, 498.
Stromer, E. 1912 A, 202 (Cavicornia).
Taschenberg, O. 1899 A, 4465 (Antilopidæ); 4476 (Bovidæ).
Terra, P. 1911 A, 327.
Tims, H. W. M. 1903 A, 143.
Tornier, G. 1888 A, 292 ("boviden").
1908 A, 195 ("wiederkäuer").
Tourneux, F. and J. P. 1912 A, 66, figs. 1-3 ("veau").
Van Bemmelen, J. F. 571 ("cattle").
Wallace, A. R. 1894 A, 436.
1876 A, II, 221.
Weber, M. 1904 A, 409, 421, 643, 672.
Weber and Abel 1928 A, 426, 538, 581.
Wherry, G. 1902 A, 973.
Wilhelm, J. 1924 A, 1, figs. 1-7 ("rind").
Wilkie, H. C. 1926 A, 819.
Williston, S. W. 1910 G, 595.
Windle, B. C. A. 1905 A, 1055 ("wiederkäuer").
Winge, H. 1906 A, 70, 108, 126 (Bovini).
Wright, R. R. 1883 A, 313.
Woodward, A. S. 1923 C, 47.
Zaaijer, T. 1894 A, 339.
Zondek, M. 1895 A, 502 ("kuh").
Zittel and Schlosser 1911 A, 497 (Cavicornia).
1923 A, 559, 602 (Cavicornia).

ANTILOPINÆ Baird.

Hay, O. P. 1902 A, 687.
Abel, O. 1913 B, 729, 745 (Ægodontia).
1921 A, 181, 252 ("antilopen").
Arldt, T. 1907 D, 638.
1912 A, 746 (Ilingoceratinæ).
Bonaparte, C. L. 1832 A, 291 (Antilopina).
Carus, V. 1875 A, 151 (Antilopina).
Depéret, C. 1912 A, 709 ("antilopidés").
Dürst, J. U. 1902 B, 38 (Antilopina).
Frech, F. 1906 A, 497 ("antilopen").
Giebel, C. G. 1883 A ("antilopen").
Gill, T. 1872 B, 9, 77.
Hoernes, R. 1886 A, 679.
Hrdlička, A. 1903 A, 377 (Antilopidæ).
Kowalewsky, W. 1877 A, 148 (Antilopina).
Laloy, L. 1907 A, 586 ("antilopes").
Leunis and Ludwig 1883 A, 252 (Antilopina).
Loomis, F. B. 1925 E, 593, 600 ("antelopes").
Lydekker, R. 1907 E, 673 ("antelopes").
1914 B, 21.
Matthew, W. D. 1915 A, 187, 248, 254, fig. 24.
1915 K, 457, fig. 17 ("antelopes").
Meckel, J. F. 1825 A ("antilopen").
Merriam, J. C. 1910 C, 50 ("antelopes").
Osborn, H. F. 1917 B, 225, 266, 292 ("antelopes").
Owen, R. 1845 B, 528 (Antilopidæ).
1868 A, 861 (Antilopidæ).
Pander and Alton 1823 A, 9 ("antilopen").
Pictet, F. J. 1853 A, 359 ("antilopidés").
Rhumbler, L. 1914 A, 154 ("antilopen").
Roger, O. 1896 A, 239.
Schlosser, M. 1903 I, 126, 161 (Antilopidæ).
1904 C, 88, 98, 111.
1906 A, 127, 161, 170 ("antelopes").
Scott, W. B. 1913 A, 416 (Antilopidæ).
Van Bemmelen, J. F. 1918 A, 571 ("antilopes").
Vicq-d'Azyr, F. 1792 A, cix (Curvicornes).
Weber, M. 1904 A, 676.
Weber and Abel 1928 A, 585.
Wherry, G. 1901 A, 252, 348 ("antelopes").
1902 A, 973 ("antelopes").
Woodward, H. 1904 B, 162 (Antilopidæ).
Zaaijer, T. 1894 A, 339 (Antilopidæ).

NEOTRAGOCERUS Matthew and Cook. Type *N. improvisus* Matthew and Cook.

Matthew and Cook 1909 A, 413.
Abel, O. 1914 A, 184.
Arldt, T. 1911 A, 214.
Joleaud, L. 1919 A, 712.
1919 C, 311.
Matthew, W. D. 1924 C, 70 (Neotragoceras); 206 (Neotragocerus).
Merriam, J. C. 1919 A, 532.
Osborn, H. F. 1910 B, 337, 353, 354, 355, 553.
1912 G, 250.
1918 A, 33.
Peterson, O. A. 1912 B, 167.
Scott, W. B. 1913 A, 362.
Taylor, W. P. 1911 A, 196.
Zittel and Schlosser 1911 A, 503.
1923 A, 593.
Cook, H. J. 1912 D, 45 (Neotragocerus).
1922 B, 15 (Neotragoceras).
Gidley, J. W. 1913 D, 3.
Matthew, W. D. 1918 A, 187, 222.
1923 A, 12.
1924 C, 68.
Merriam, J. C. 1917 A, 437.
1918 A, 526.
Scharff, R. F. 1911 A, 407 ("antelope").
Sinclair, W. J. 1915 A, 77, 94.
Taylor, W. P. 1911 A, 192.
Lower Pliocene (Lower Snake Creek); Nebraska.

Neotragocerus improvisus Matthew and Cook.

Matthew and Cook 1909 A, 413, figs. 26, 27?.

Neotragocerus lindgreni Merriam.

Merriam, J. C. 1918 A, 526, fig. 2.
Hay, O. P. 1927 D, 267, 268.
Merriam, J. C. 1917 A, 432, 433 ("Tragocerus?").
Pleistocene (Idaho); Idaho.

TAUROTRAGUS Wagner. Type *Antilope oreas* Pallas = *A. oryx* Pallas.

Wagner, J. A. 1855, suppl. Schreber's Säugethiere, v, 438.
Beddard, F. E. 1902 A, 316.
Camerano, L. 1915 B, 6, pl. iii, figs. 1-4.
Carruccio, A. 1913 A, 77.
Flower and Lydekker 1891 A, 348 (Oreas).
Foote, J. S. 1916 A, 107.
Gidley, J. W. 1913 D, 2.

Joleaud, L. 1919 A, 711, fig. 9 (Oreas).
Knottnerus-Meyer, T. 1907 A, 138.
Leche, W. 1921 A, 68 (Oreas).
Lydekker, R. 1907 B, 34.
1914 A, 631.
1914 B, 207.
Osborn, H. F. 1910 B, 328, 432, 554 (Oreas).
Palmer, T. S. 1904 A, 665, 920.
Schlosser, M. 1903 I, 150, 152, 168, fig. 28.
1904 C, 80, 91.
Sclater and Thomas 1900, Book of Antilopes, IV, 193.
Scott, W. B. 1913 A, 202.
1916 A, 118 ("eland").
Trouessart, E. L. 1905 A, 733.
Weber and Abel 1928 A, 586, 587.
Winge, H. 1906 A, 119 (Oreas).

Taurotragus americanus Gidley.

Gidley, J. W. 1913 D, 1, pl. i, fig. 2.
1913 B, 96.
1913 G, 50 ("eland").
1914 B, 18 ("eland").
1920 B, 283 ("antelope").
Hay, O. P. 1918 D, 461 ("eland").
1920 B, 113, pl. v, figs. 7-11.
1923 A, 497.
1924 D, 263, 264.
1928 C, 429.
Leighton, M. M. 1921 A, 513.
Lydekker, R. 1914 A, 631.
1914 B, 208.
Matchie, P. 1913 A, 258.
Matthew, W. D. 1925 D, 34 ("eland").
Pleistocene (Middle); Maryland; Illinois, Missouri.

ILINGOCEROS Merriam, J. C. Type *I. alexandræ* Merriam.

Merriam, J. C. 1909 B, 319.
Chandler, A. C. 1916 A, 119.
Cook, H. J. 1922 B, 15.
Furlong, E. L. 1927 A, 174.
Haug, E. 1911 A, 1705 (Iliagoceros).
Hay, O. P. 1923 A, 15.
Joleaud, L. 1919 A, 711, fig. 9.
Lydekker, R. 1910 F, 660.
1914 B, 229.
Matthew, W. D. 1918 A, 219.
1926 B, 6.
Merriam, J. C. 1915 E, 233.
1917 A.
1919 A, 452.
Merriam and Stock 1928 A, 21.
Merriam, Stock, Moody 1925 A, 59.
Osborn, H. F. 1910 B, 338, 357, 554.
1912 G, 250.
1918 A, 24, 30, 33.
Peterson, O. A. 1912 B, 167.
Scott, W. B. 1913 A, 362.
Taylor, W. P. 1911 A, 196.
Zittel and Schlosser 1911 A, 504 (Illingoceras).
1923 A, 595, 680 (Ilingoceras).

Ilingoceros alexandræ Merriam.

Merriam, J. C. 1909 B, 320, figs. 1-6.
Gidley, J. W. 1913 D, 3.
Merriam, J. C. 1911 B, 211, 213, 214, 299, figs. 78, 79.
1917 A, 429.
Parks, W. A. 1925 C, 432 (Ilingoceras).
Pliocene (Thousand Creek); Nevada.

Ilingoceros schizoceras Merriam.

Merriam, J. C. 1911 B, 211, 213, 214, 292; figs. 73-76.
1917 A, 429.
Pliocene (Thousand Creek); Nevada.

Ilingoceros sp. indet.

Merriam, J. C. 1911 B, 301, fig. 80 (Form B?); Pliocene (Thousand Creek); Nevada.
1917 A, 428 (This genus?).
Merriam, Stock, Moody 1925 A, 59 (This genus or Sphenophalos). Pliocene (Rattlesnake); Oregon.
Stock, C. 1925 A, 21 (This genus?). Lower Pliocene (Rattlesnake); Oregon: (Eden); California.

TRAGOCERUS Gaudry. Type *T. amalthæus* Gaudry.

Gaudry, A. 1861 C, C. R. Acad. Sci. Paris, LII, 297-298.
Flower and Lydekker 1891 A, 349 (Tragoceros).
Gaudry, A. 1896 A, 185, fig. 181.
Hay, O. P. 1923 A, 8.
Matthew and Cook 1909 B, 197.
Merriam, J. C. 1917 A, 437.
Palmer, T. S. 1904 A, 684, 920.

Tragocerus? sp. indet.

Merriam, J. C. 1911 B, 303 (Tragoceras? or Ilingoceros). Pliocene (Thousand Creek beds); Nevada.

SPHENOPHALOS Merriam. Type *S. nevadanus* Merriam.

Merriam, J. C. 1909 B, 325.
Cook, H. J. 1922 B, 15.
Furlong, E. L. 1927 A, 174.
Haug, E. 1911 A, 1705.
Lydekker, R. 1910 F, 660.
1914 B, 229.
Matthew, W. D. 1918 A, 219.
Matthew, W. D. 1926 B, 6.
Merriam, J. C. 1911 B, 221, 291, 298.
1919 A.
Merriam, Stock, Moody 1916 A, 89.
1925 A, 59.
Osborn, H. F. 1910 B, 338, 357, 554.
1912 G, 250.

Osborn, H. F. 1918 A, 24, 33.
Peterson, O. A. 1912 B, 167.
Taylor, W. P. 1911 A, 196.

Sphenophalos nevadanus Merriam.

Merriam, J. C. 1909 B, 325, fig. 7.
Cook, H. J. 1922 B, 13.
Gidley, J. W. 1913 D, 3.
Merriam, J. C. 1911 B, 211, 213, 214, 285, figs. 67, 70, 72.
1917 A, 428, 429.
Merriam and Stock 1928 A, 20, text-figs. 13, 14.
Parks, W. A. 1925 C, 432.

Stock, C. 1925 A, 18 (This species?). Pliocene (Thousand Creek); Nevada: (Rattlesnake); Oregon.

Sphenophalos sp. indet.

Merriam, J. C. 1911 B, figs. 68, 69, 71 (Sphenophalos, Ilingoceros).
1917 A, 425 (This genus?). Orinda; California.
Merriam, Stock, Moody 1925 A, 59, 90, figs. 44, 45 (May be Ilingoceros). Pliocene (Rattlesnake); Oregon.
Stock, C. 1925 A, 20 (This genus?). Lower Pliocene (Pinole-Orinda-Siesta); California.

CRANIOCERAS Matthew. Type *C. unicornis* Matthew.

Matthew, W. D. 1918 A, 223.
Cook, H. J. 1922 B, 15.
Matthew, W. D. 1924 C, 70, 206.

Cranioceras unicornis Matthew.

Matthew, W. D. 1918 A, 187, 223, figs. 19, 20.
1924 C, 68.
Upper Miocene (Lower Snake Creek); Nebraska.

RUPICAPRINÆ.

Arldt, T. 1912 A, 744 (Nemorrhedinæ).
Flower and Lydekker 1891 A, 349 ("rupicaprine section").
Knottnerus-Meyer, T. 1907 A, 48, 99, 123 (Nemorrhædidæ).
Lydekker, R. 1913 B, 178.
Osborn, H. F. 1910 B, 554.
Schlosser, M. 1903 I.
Trouessart, E. L. 1905 A, 734.
Weber and Abel 1928 A, 587.
Zittel and Schlosser 1911 A, 500.
1923 A, 590.

NÆMORHEDUS H. Smith. Species *Antilope sumatrensis* Shaw and *A. goral* Hardwicke.

Hay, O. P. 1902 A, 687 (Nemorhœdus).
Beddard, F. E. 1902 A, 308, 326 (Nemorrhædus).
Brown, A. E. 1904 B, 75 (Nemorhædus).
Camerano, L. 1916 B, 10, pl. vii, fig. 7 (Nemorhedus).
Grant, M. 1904 B, 198 (Nemorhædus).
Kampfen, P. N. 1905 A, 605 (Nemorrhædus).
Knottnerus-Meyer, T. 1907 A, 48, 99, 124, pl. iv, fig. 29 (Nemorrhædus).
Leunis and Ludwig 1883 A, 254 (Nemorhedus).
Lucas, F. A. 1901 A, 307 (Nemorhedus).
Lydekker, R. 1907 B, 29 (Nemorhœdus).
1909 A, 940 (Nemorhœdus).
1913 B, 202 (Nemorhædus).
Palmer, T. S. 1904 A, 446, 918.
Pocock, R. L. 1908 A, 183.
Pocock, R. L. 1908 B, 173.
Scharff, R. F. 1911 A, 83, 106 (Nemorrhædus).
Schlosser, M. 1903 I, 169, fig. 31 (Nemorhædus).
1904 C, 98 (Nemorrhædus).
Trouessart, E. L. 1905 A, 734 (Nemorrhædus).
Weber, M. 1904 A, 675 (Nemorhœdus).
Weber and Abel 1928 A, 587 (Nemorhædus).
Winge, H. 1906 A, 123 (Nemorhœdus).
Zittel and Schlosser 1911 A, 500 (Nemorrhædus).
1923 A, 591 (Nemorhædus).

Næmorhedus palmeri Cragin.

Hay, O. P. 1902 A, 687 (Nemorhœdus).
Cragin, F. W. 1900 B, 219.
Hay, O. P. 1924 D, 144, 273, 275.
Pleistocene; Colorado.

OREAMNOS Rafinesque. Type *Mazama dorsata* Rafinesque.

Rafinesque, C. S. 1817, Amer. Monthly Mag., II, 44.
Adams, C. C. 1905 A, 60.
Allen, J. A. 1892 A (Mazama).
Arldt, T. 1907 D, 202 (Haploceros).
Diener, C. 1912 A, 218.
Elliot, D. G. 1901 A, 44 (Oreamnus).
Frech, F. 1906 A, 484.
Furlong, E. L. 1905 A, 166 (Aplocerus).
Gidley, J. W. 1912 C, 20.
Grant, M. 1904 B, 198.
1905 A, 233, 236, figs.
Heilprin, A. 1887 A, 377 (Aplocerus).
Knottnerus-Meyer, T. 1907 A, 76, 140, pl. v, fig. 35 (Oreamnus).
Leunis and Ludwig 1883 A, 254 (Haplocerus).
Loomis, F. B. 1925 E, 591, 592, 593, 600, figs. 4, 6, 15, 16 (Oreamus).
Lydekker, R. 1913 B, 217.
Merriam, C. H. 1892 A, 61 (Mazama).
Miller, G. S. 1912 B, 397.
1924 C, 498.
Osborn, H. F. 1905 I, 110.
1909 D, 87, 89 (Haploceras).
1910 B, 635.
Palmer, T. S. 1904 A, 478, 918.
Scharff, R. F. 1911 A, 106.
Sinclair, W. J. 1905 B, 150 (Aplocerus).
Sinclair and Furlong 1904 A, 416 (Haplocerus).
Stock and Furlong 1927 A, 423.

Trouessart, E. L. 1905 A, 735.
Weber and Abel 1928 A, 587.
Wright, R. R. 1883 A, 343 (Haplocerus).
Zittel and Schlosser 1911 A, 501 (Haploceros).
1923 A, 591.

Oreamnos americanus (Blainville).

Blainville, H. M. D. 1816, Bull. Soc. Philomath. Paris, 80 (Rupicapra).
Baird, S. F. 1857 A, 671 (Aplocerus montanus).
Brown, A. E. 1904 B, 75 (O. montanus).
Diller, J. S. 1906 A, 11 (Haplocerus).
Elliot, D. G. 1901 A, 44, pls. xvii-xx (O. montanus).
Goddard, P. E. 1927 A, 68 ("mountain goat").
Grant, M. 1904 B, 198 (O. montanus).
Haug, E. 1911 A, 1873, 1887 (Ovis montanus).
Hay, O. P. 1927 D, 215.
Lobley, J. L. 1908 A, 195 (Haploceros montanus).
Lydekker, R. 1898 D, 4 ("rocky-mountain goat").
1907 B, 31 (O. montanus).
1913 B, 218 (O. americanus).
Merriam and Stock 1925 A, 10.
Miller, G. S. 1912 B, 398 (O. montanus).
1924 C, 498 (O. americanus).
Miller, L. H. 1912 A, 70 (Haplocerus montanus).
Ord, G. 1815, Guthrie's Geog., 2d Amer. ed., 292, 309-310 (Ovis montanus).
Osborn, H. F. 1906 F, 217, figs. (O. montanus).
1910 B, 476, 483, 490 (O. montanus).
Palacký, J. 1903 B, 331 (Haplocerus montanus).
Scharff, R. F. 1911 A, 105 (O. montanus).
Scott, W. B. 1913 A, 202 (O. montanus).
Sinclair, W. J. 1904 A, 18 (Haplocerus montanus).
1905 B, 152, pl. xx, figs. 3, 4 (Aplocerus montanus).
Stock, C. 1925 A, 113 (O. americanus).
Trouessart, E. L. 1905 A, 735 (O. montanus).
Wright, R. R. 1883 A, 343 (Haplocerus montanus).

Recent; British Columbia, Washington, Oregon, Montana: Pleistocene (Potter Creek Cave); California.

Oreamnos sp. indet.

Furlong, E. L. 1904 A, 54 (Haplocerus). Pleistocene (Samwel Cave); California.
1906 A, 243 (Haplocerus). Pleistocene (Samwel Cave); California.
Hay, O. P. 1927 D, 214, 251. Pleistocene; California, Washington.
McConnell, R. G. 1905 A, 29. Pleistocene; Klondike, Canada.
McCornack, E. C. 1920 A, 16 (Ovis montana).
Matthew, W. D. 1902 F, 321 (Oreamnus). Pleistocene; Washington.
Miller, L. H. 1912 A, 73 (Haplocerus). Pleistocene (Samwel Cave); California.
Obalski, T. 1904 A, 216 ("mouton").
Osborn, H. F. 1910 B, 438, 439, 455, 466, 478.
Quackenbush, L. S. 1909 A, 126. Pleistocene; Klondike, Yukon.
Stock, C. 1925 A, 113. Pleistocene (cave); California: (Delight); Washington.

OVINÆ Baird.

Baird, S. F. 1857 A, 664.
Hay, O. P. 1902 A, 687 (Caprinæ).
Abel, O. 1913 B, 741 (Ovicaprinæ).
Arldt, T. 1907 D, 670 (Ovidæ).
Blanford, W. T. 1901 A, 298 ("sheep," "goats").
Carus, J. V. 1875 A, 150 (Ovina).
Disselhorst, R. 1906 A, 324 ("ziege").
Duerst, J. U. 1902 B, 36 (Ovina); 38 (Caprina).
1903 B, 342 ("ovides").
Engelmann, O. 1910 A, 486 ("schaf").
Frassetto, F. 1903 A, 340 (Caprinæ).
Gervais, P. 1852 A, 73 (Capra).
Gray, J. E. 1821 A, 307 (Capridæ).
Hay, O. P. 1914 A, 287 (Caprinæ).
Hoernes, R. 1886 A, 680 (Ovinæ).
Kampfen, P. N. 1905 A, 606 (Caprovinæ).
Knottnerus-Meyer, T. 1907 A, 77 (Capridæ); 79, 100 (Caprinæ).
Kowalewsky, W. 1877 A, 148 (Ovina).
Loomis, F. B. 1925 E, 591, 592, 593, 600, figs. 5, 6, 16 ("goats," "sheep").
Lydekker, R. 1910 C, 12 (Caprinæ).
1913 B, 72 (Caprinæ).
Matthew, W. D. 1915 A, 248, fig. 24 (Ovinæ).
1928 B, 968, 981, fig. 16 ("sheep").
Osborn, H. F. 1909 D, 86, 89 (Ovinæ).
1910 B, 554 (Caprinæ).
Owen, R. 1845 B, 528 (Ovidæ).
Roger, O. 1896 A, 243.
Schlosser, M. 1903 I, 160 (Ovidæ).
1904 C, 90 (Ovinæ).
Shitkow and Sabanjew 1909 A, 457 ("schafe").
Terra, P. 1911 A, 329.
Trouessart, E. L. 1905 A, 736 (Caprinæ).
Wallace, A. R. 1876 A, II, 224 (Caprinæ).
Weber and Abel 1928 A, 583, 588 (Caprinæ).
Wherry, G. 1901 A, 252, 348 ("sheep," "goat").
1902 A, 973 (Caprinæ).
Zittel and Schlosser 1911 A, 500 (Ovicaprinæ).
1923 A, 591 (Ovicaprinæ).

Ovis Linnæus. Type *O. aries* Linnæus.

Hay, O. P. 1902 A, 687.
Adams, C. C. 1905 A, 60.
Agassiz, L. 1859 B, 186 ("sheep").
Allen, J. A. 1892 A.
1903 A.
Altmann, F. 1925 A, 108.
Ameghino, F. 1905 A.
Anderson, R. J. 1902 C, 785 ("sheep").
Atzkern, J. 1923 A, 127 ("schafe").
Aulmann, G. 1909 A, 68.
Beddard, F. E. 1902 A, 321.
Beecker, A. 1903 A, 596.
Bertelli, D. 1909 A, 166, figs. 7, 19.
Black, D. 1915 A, 347, fig. 11.
Blendinger, W. 1904 A, 459, figs. 1, 2-9.
Boas, J. E. V. 1884 B, 397 ("schaf").

Bojanus, L. H. 1819 A, 1362, pl. xvi, fig. 1 ("schaf").
1824 A, 269, pl. xxi, figs. 9-20.
1824 B, 293, pls. xxiv, xxv.
1824 C, 697, pl. lviii, figs. 2, 3; pl. lix.
Bolk, L. 1913 A, 87, fig. 67.
Bradley, O. C. 1906 B, 530 ("sheep").
Bronn, H. G. 1849 A, 708.
Broom, R. 1926 A, 261 ("sheep").
Brown, A. E. 1904 B, 68.
Bugnion, E. 1901 A, 94 ("mouton").
Camerano, L. 1915 B, 5, pl. i, figs. 3-5.
1916 B, 6, pl. iv, fig. 4; pl. v, fig. 9; pl. vi, fig. 8.
Carus and Engelmann 1861 A, 1783.
Claus, T. 1911 A, 320, 364, pls. i, ii, figs. 1-19.
Cleland, J. 1836 B, 298 ("sheep").
Cuvier, G. 1805 A.
Dieulafé and Herpin 1906 A, 247 ("mouton").
Disselhorst, R. 1906 A, 325.
Doran, A. H. G. 1878 A, 427, pl. lxi ("sheep").
Duerst, J. U. 1902 B, 35.
1903 A, 361.
1908 A, 370.
Eichwald, E. 1832 A, 865 ("schaf").
Elliot, D. G. 1901 A, 46.
Fawcett, E. 1917 A, 327.
Foote, J. S. 1916 A, 102, 127, 135, pls. xi, xvi, xviii.
1921 A, 9, pl. ii, figs. 18, 19.
Frassetto, F. 1903 A, 340.
Frech, F. 1906 A, 484.
Gaupp, E. 1899 A, 1014 ("schaf").
Gervais, P. 1852 A, 75.
1859 A, 137.
Gidley, J. W. 1912 C, 20.
Giebel, C. G. 1883 A, pls. xxxii, xliv*a*, lxxv, lxxxiii.
Goodsir, J. 1868 A, 54.
Grant, M. 1904 B, 197.
Grevé, C. 1900 A, 131.
Hasse and Schwarck 1870 A, 134.
Hensel, R. 1879 A, 555 ("schaf").
Holmes, F. S. 1859 A, 184 ("sheep").
Hrdlička, A. 1903 A, 374.
Hue, E. 1907 A, pls. lxvi, lxvii, xc, cv, cxix, cxxxi, cxliii, clvi, clxxiii, clxxxv.
Huxley, T. H. 1859 D, 386, figs. 1, 4.
Kampfen, P. N. 1905 A, 605.
Kingsley, J. S. 1896 A, 137 ("sheep").
Klaauw, C. J. 1924 B, 600.
Klatt, B. 1912 A, 156 ("schaf").
Köstlin, O. 1844 A.
Kowarzik, R. 1913 A, 439.
Kükenthal, W. 1908 B, 498, fig. 1 ("schaf").
Leche, W. 1887 A, pl. xcv.
Le Damany, P. 1906 B, 164 ("mouton").
Leunis and Ludwig 1883 A, 248.
Lewis, F. T. 1906 A, 507 ("sheep").
Loomis, F. B. 1925 E, 600, figs. 15, 16.
Lydekker, R. 1898 D, 149.
1907 B, 21.
1910 C, 12.
1913 B, 73.
Magitot, E. 1875 A, 81 ("mouton").
Matsumoto, H. 1926 E, 39, pls. xvi, xvii.
Meckel, J. F. 1825 A.
Merriam, C. H. 1892 A, 62.
Miller, G. S. 1924 C, 495.
Miyawaki, K. 1925 A, 177, figs. 1-5 ("schaf").
Nehring, A. 1880 A.
Osborn, H. F. 1910 B, 433, 474, 490, 554.
Owen, R. 1848 B, 21, fig. 7.
1868 A, 897.
Palmer, T. S. 1904 A, 490, 919.
Paulli, S. 1900 A, 222, pl. xi; text-figs. 33-36 ("schaf").
Perna, G. A. 122, 138, pl. v, figs. 15-17.
Peter, K. 1924 B, 499, fig. 13 ("schaf").
Pictet, F. J. 1853 A, 362.
Pouchet and Chabry 1884 A, 151 ("mouton").
Reichert, C. 1837 A, 219, pl. ix ("schaf").
Retterer and Lelièvre 1910 B, 988 ("mouton").
Retzius, A. 1837 A, 489.
1849 A, 667.
Rhumbler, L. 1913 B, 89, figs. 9-11 ("lämmer").
Rosenberg, A. 1873 A, 127 ("schaf").
Rudolf, G. de M. 1922 A, 142, fig. 9 ("sheep").
Salensky, W. 1880 A, 420 ("schaf").
Scharff, R. F. 1911 A, 80, 86.
Schlosser, M. 1897 B, 20 ("schaf").
1899 T, 451 ("schaf").
1903 I, 160 ("schafe").
Scott, W. B. 1896 D, 60 ("sheep").
1913 A, 419.
1917 A, 181 ("sheep").
Shitkow and Sabanejew 1909 A, 457.
Stadelmann, F. 1916 A, 114, pls. viii, ix.
Stock and Furlong 1927 A, 423.
Strecker, C. 1887 A, 314.
Taschenberg, O. 1899 A, 4645.
Thompson, A. 1907 A, 100, fig. 1.
Toldt, C. 1905 A, 331 ("schaf").
Tourneux, F., and J. P. 1912 A, 78, figs. 12-15 ("mouton").
Trouessart, E. L. 1905 A, 740.
Van Bemmelen, J. F. 1918 A, 571 ("sheep").
Voit, M. 1923 A, 71, fig. 2 ("schaf").
Weber, M. 1904 A, 681.
Weber and Abel 1928 A, 327, 589, fig. 354.
Weber and Burlet 1927 A.
Wherry, G. 1902 A, 974.
Wilder, B. 1872 B, 320.
Wincza, H. 1890 A, 648, pl. xxiv ("schaf").
Zimmerman, A. 1912 A, 646.
Zittel and Schlosser 1911 A, 500.
1923 A, 591, fig. 723.

Ovis canadensis Shaw.

Shaw, G. 1804, Naturalist's Misc., xv, 610.
Allen, J. A. 1912 B, 9 (O. cervina).
Baird, S. F. 1857 A, 673 (O. montana).
Biddulph, J. 1885 A, 678 (O. montana).
Brandt and Woldrich 1887 A, 111 (O. montana).
Elliot, D. G. 1901 A, 46, pl. xxi (O. cervina).
Fischer, J. B. 1829 A, 487 (Capra? columbiana).
Foote, J. S. 1916 A, 135, pl. xviii.
Giebel, C. G. 1878 B, 849 (O. montana).
Grant, M. 1904 B, 198 (O. cervina).
Grevé, C. 1900 A, 142 (O. montana).
Grinnell, G. B. 1904 A, 271.
1912 A (O. cervina).

Hornaday, W. T. 1901 A, 101, figs. (O. montana).
Jones, J. C. 1928 A, 7 ("bighorn sheep").
Lambe, L. M. 1912 B, 349 (O. montana).
Lobley, J. L. 1908 A, 195.
Lydekker, R. 1898 D, 204, pl. xvii; text-fig. 40.
1907 B, 22.
1913 B, 111.
Miller, G. S. 1912 B, 395.
1924 C, 495.
Osborn, H. F. 1910 B, 474, 476, 490 (O. montana).
Osgood, W. H. 1913 A, 57.
Richardson, J. 1854 A, 87, pl. i (O. montana).
Scott, W. B. 1913 A, 419.
1917 A, 181.
Trouessart, E. L. 1905 A, 741.
Wright, R. R. 1883 A, 345 (O. montana).
Recent; (including subspecies); in mountain regions from Alaska to British Columbia, south to Mexican Boundary and southwest Texas: Pleistocene; (Last Chance Creek); Yukon: Kowak (Clays); Alaska: (Delight) Washington.

Ovis dalli Nelson.

Nelson, E. W. 1884, Proc. U. S. Nat. Mus., VII, 12.
Allen, J. A. 1912 B, 27.
Biddulph, J. 1885 A, 678 (O. montana dalli).
Elliot, D. G. 1901 A, 47.
Grant, M. 1904 B, 197.
Lydekker, R. 1898 D, 219 (Subsp. O. canadensis).
1913 B, 118 (O. canadensis dalli).
Miller, G. S. 1912 B, 396.
1924 C, 497.
Quackenbush, L. S. 1909 A, 127 ("Ovis"). This species?
Trouessart, E. L. 1905 A, 741.
Recent; Alaska, Yukon: Pleistocene; Yukon.

Ovis mamillaris Hildreth.

Hildreth, S. P. 1837 A, 82, figs. 19a, 19b.
Hay, O. P. 1902 A, 687.
1923 A, 70, 273.
Lydekker, R. 1910 C, 310.
Pleistocene or Recent; Ohio. Probably the domestic sheep.

Ovis? scaphoceras (Cope).

Cope, E. D. 1894 H, 457 (Bos).
Leidy, J. 1886 D, 275 (Bos sp.).
Lucas, F. A. 1898, in Hill and Vaughan 1898 A, 252.
1899 A, 756 ("Ovis," This genus?).
Lydekker, R. 1898 B, 92 (Bos).
1898 D, 92 (Bos).
Rhoads, S. N. 1897 A, 500 (Bison).
Scharff, R. F. 1911 A, 66 (Bison).
Trouessart, E. L. 1897 A, 1356 (Bison).
1905 A, 746 (Bison).
Pleistocene; Nicaragua, Mexico, Texas.

Ovis sp. indet.

Gilmore, C. W. 1908 A, 36.
Hay, O. P. 1923 A, 337, 338, fig. 13. Pleistocene (Late); Illinois.
McConnell, R. G. 1905 A, 29 ("mountain sheep"). Pleistocene; Klondike, Canada.

AFTONIUS Hay. Type *A. calvini* Hay.

Hay, O. P. 1913 A, 6.
1914 A, 287.
Zittel and Schlosser 1923 A, 591, 680.

Aftonius calvini Hay.

Hay, O. P. 1913 A, 6.
Baker, F. C. 1920 A, 226, 243, 396.
Calvin, S. 1909 B, 350, pl. xxiii, fig. 1 ("horncore").
Hay, O. P. 1914 A, 26, 287, pl. xxxiv, figs. 1, 2, 4, 5; text-fig. 95.
1928 C, 425.
Pleistocene (Aftonian); Iowa.

OVIBOVINÆ Gill.

Gill, T. 1872 B, 9, 77.
Abel, O. 1913 B, 746.
Allen, J. A. 1914 A, 210 ("musk-ox").
Arldt, T. 1912 A, 744.
Gaudry, A. 1903 A, 553 ("boeufs musqués").
Hay, O. P. 1912 D, 632.
1914 A, 290.
1924 D, 382.
Knottnerus-Meyer, T. 1907 A, 84, 100, 142 (Ovibovinæ); 81, 100 (Ovibovidæ).
Kowarzik, R. 1911 A, 106.
Lydekker, R. 1898 D, 141.
Lydekker, R. 1913 B, 221.
Matschie, P. 1898 A, 31.
Matthew, W. D. 1915 A, 248, fig. 24.
Miller, G. S. 1912 B, 394.
Osborn, H. F. 1910 B, 554.
Scott, W. B. 1916 A, 118 ("musk-oxen").
Staudinger, W. 1908 A, 483 ("ovibovinen").
Stock and Furlong 1927 A, 426.
Weber, M. 1904 A, 680.
Weber and Abel 1928 A, 591.
Zittel and Schlosser 1911 A, 501.
1923 A, 530

PREPTOCERAS Furlong. Type *P. sinclairi* Furlong.

Furlong, E. L. 1905 A, 163.
1906 A, 244.
1907 A, 394.
Merriam, J. C. 1915 G, 101.
Miller, L. H. 1912 A, 71, 74.
1915 B, 71.
Osborn, H. F. 1909 D, 89.
Osborn, H. F. 1910 B, 466, 478, 554.
Scharff, R. F. 1911 A, 154.
Scott, W. B. 1913 A, 202, 203, 418, fig. 116.
Stock, C. 1926 B, 404.
Stock and Furlong 1927 A, 409-434.
Zittel and Schosser 1911 A, 501.
1923 A, 592, 680, 681.

Preptoceras mayfieldi Troxell.

Troxell, E. L. 1915 B, 479, figs. 1, 2.
Freudenberg, W. 1922 A, 5.
Hay, O. P. 1927 D, 113.
Stock and Furlong 1927 A, 411.
Pleistocene (Early); Texas.

Preptoceras sinclairi Furlong.

Furlong, E. L. 1905 A, 164, pls. xxiv, xxv.
Freudenberg, W. 1921 A, 137 (This species?).
Freudenberg, W. 1922 A, 5 (This species?).
Furlong, E. L. 1906 A, 245.
Hay, O. P. 1927 D, 113, 214.
Merriam, J. C. 1906 E, 226 ("Preptoceras").
Miller, L. H. 1912 A, 73.
Stock, C. 1925 A, 113.
Stock and Furlong 1927 A, 410, pls. lx-lxiii; text-figs. 2-5 (This species?).
Troxell, E. L. 1915 B, 479, fig. 3.
Pleistocene (Samwel Cave); California, Mexico?.

EUCERATHERIUM Sinclair and Furlong. Type *E. collinum* Sinclair and Furlong.

Sinclair and Furlong 1904 A, 411.
Allen, J. A. 1913 A, 169 (Uceratherium).
Diener, C. 1912 A, 216.
Furlong, E. L. 1905 A, 164.
1906 A, 244.
1907 A, 394.
Hay, O. P. 1918 B, 26.
Merriam, J. C. 1915 G, 101.
Miller, L. H. 1912 A, 74.
1915 B, 71.
Osborn, H. F. 1905 I, 110.
1909 D, 89.
1910 B, 440, 466, 476, 478, 554.
1912 G, 251.
Scharff, R. F. 1911 A, 154.
Scott, W. B. 1913 A, 202, 418.
Sinclair, W. J. 1904 A, 18.
1905 B, 150.
Stock, C. 1926 B, 404.
Stock and Furlong 1927 A, 409-434.
Zittel and Schlosser 1911 A, 501.
1923 A, 591, 682.

Euceratherium collinum Furlong and Sinclair.

Furlong and Sinclair 1904 A, 18.
Furlong, E. L. 1904 A, 55.
1906 A, 243, 245.
Hay, O. P. 1927 D, 305.
Merriam, J. C. 1906 E, 226 ("Euceratherium").
Merriam and Stock 1925 A, 10.
Miller, L. H. 1912 A, 70, 73.
Putnam, F. W. 1906 A, 232 ("Euceratherium").
Sinclair, W. J. 1904 A, 18.
1905 B, 150, pl. xx, figs. 1, 2.
Sinclair and Furlong 1904 A, 412, pls. l, li, text-fig. 1.
Stock, C. 1925 A, 113.
Pleistocene; (Caves); California.

Euceratherium sp. indet.

Furlong, E. L. 1904 A, 54. Pleistocene (Samwel Cave); California.
Stock and Furlong 1927 A, 413, text-fig. 1. Pleistocene; Gottville, California.

GIDLEYA Cossman. Type *Liops zuniensis* Gidley.

Cossman, M. 1907 A, 64.
Allen, J. A. 1913 A, 159, 216.
Gidley, J. W. 1906 B, 165, fig. 3 (Liops; pre-occupied).

Gidleya zuniensis (Gidley).

Gidley, J. W. 1906 B, 165, figs. 1-3. (Liops; pre-occupied).
Allen, J. A. 1913 A, 216.
Hay, O. P. 1922 A, 446.
1924 D, 378 (Liops, Lissops, Gidleya).
Staudinger, W. 1908 A, 481, 495.
Troxell, E. L. 1915 B, 479.
Pleistocene (Early); New Mexico.

OVIBOS Blainville. Type *O. moschatus* (Zimmerman).

Hay, O. P. 1902 A, 687.
Allen, J. A. 1913 A, 105.
Altmann, F. 1925 A, 108 (Ovibus).
Arldt, T. 1907 D, 670.
Boule, M. 1923 A, 176, 405 ("Musk-ox").
Depéret, C. 1912 A, 709.
Doran, A. H. G. 1878 A, 429, pl. lxi, figs. 32, 40.
Elliot, D. G. 1901 A, 48.
Frech, F. 1907 A, 313.
Furlong, E. L. 1905 A, 166.
Geinitz, E. 1903 A.
1904 A.
Gidley, J. W. 1912 C, 19.
Giebel, C. G. 1883 A, pls. xxxiii, lxix.
Grant, M. 1904 B, 196.
Hay, O. P. 1912 D, 639.
1914 A, 292.
Hay, O. P. 1926 E, 390 ("musk-oxen").
Heilprin, A. 1887 A, 379, 380.
Hilzheimer, M. 1921 A, 142.
Hrdlička, A. 1920 A, 463, pl. v, fig. 3.
Hue, E. 1907 A, pls. lxx, xcii, cvi, cxx, cxliv, clxxiii, clxxxiv.
Hull, E. 1914 A, 612, 616 ("musk-ox").
Kampfen, P. N. 1905 A, 605.
Knottnerus-Meyer, T. 1907 A, 81, 84, 143, pl. vi, fig. 40.
1911 A, 16.
Kobelt, W. 1900 A, 61.
Kowarzik, R. 1908 A, 616.
1910 A, 90.
1911 A, 107 (Ovibos, Bovovis).
1912 A, 505.
Kukuk, P. 1913 A, 596.

Leunis and Ludwig 1883 A, 248.
Loomis, F. B. 1925 E, 600, figs. 15, 16.
Lydekker, R. 1898 D, 139.
1910 E, 352 ("musk-oxen").
1913 A, 7 (Ovibos, Bosovis, Bovovis).
1913 B, 222.
1925 A, 322.
Lyon, M. W. 1925 A, 322.
Matschie, P. 1896 A, 250 ("moschusochse").
1898 A, 30.
1901 A, 308.
Merriam, C. H. 1892 A, 61.
Miller, G. S. 1912 B, 394.
1924 C, 494.
Nathorst, A. G. 1901 A, 5, figs. 3, 4.
Osborn, H. F. 1909 D, 87, 89.
1910 A, 214.
1910 B, 626.
1912 G, 251.
Palmer, T. S. 1904 A, 490, 918.
Scharff, R. F. 1911 A, 8, 80, 154.
Schlosser, M. 1903 I, 155.
Schwarz, E. 1924 A, 421 ("musk-ox").
Scott, W. B. 1913 A, 202, 208, 362, 418.
1917 A, 120, 130 ("musk-ox").
Staudinger, W. 1908 A, 481.
Stock and Furlong 1927 A, 414, 426.
Trouessart, E. L. 1905 A, 742.
Wallace, A. R. 1876 A, I, 130; II, 224, 225.
Weber, M. 1904 A, 680.
Weber and Abel 1928 A, 591.
Wright, R. R. 1883 A, 343, 351.
Zittel and Schlosser 1911 A, 501.
1923 A, 591, 682.

Ovibos appalachicolus Rhoads.

Hay, O. P. 1902 A, 687.
Allen, J. A. 1913 A, 203.
Hay, O. P. 1923 A, 249 (Bison).
Osgood, W. H. 1905 A, 181.
Rhoads, S. N. 1903 A, 239.
Staudinger, W. 1908 A, 481, 494.
Pleistocene; Pennsylvania.

Ovibos moschatus (Zimmerman).

Hay, O. P. 1902 A, 688.
Abel, O. 1922 C, 45, fig. 46.
Adams, A. Leith 1879 A, 116 ("musk-ox").
Alden and Leighton 1917 A, 134.
Allen, J. A. 1901 A, 69, pl. xii; text-figs. 2, 4, 7.
1912 A, 720.
1913 A, 105.
1914 A, 210.
Arldt, T. 1907 D, 605.
Baker, F. C. 1920 A, 465.
Beddard, F. E. 1902 A, 327.
Bell, R. 1898 A, 373 ("musk-ox").
Bensley, B. A. 1923 A, 4.
Brandt and Woldrich 1887 A, 112.
Brower, C. D. 1911 A, 754 ("musk-ox").
Brown, A. E. 1904 B, 73.
Brown, B. 1908 A, 203 ("Ovibos").
Chadbourne, P. A. 1871 A ("musk-ox." This species?).
Conwentz, —— 1900 A, 427.
Cuvier, G. 1825 A, IV, 133, 140, 155, pl. x, figs. 15-17; pl. xii, figs. 9, 10 (Bos moschatus).
Dall, W. H. 1870 A, 238 ("musk-ox").
1870 B, 136 ("musk-ox").
1896 A, 854.
Dall and Harris 1892 A, 264.
Dawkins, W. B. 1885 A, 242, fig.
Dawson, G. M. 1899 A, 19.
Dawson, J. W. 1894 D, 4.
Diener, C. 1912 A, 218.
Doran, A. H. G. 1878 A, 429, pl. lxi.
Elliot, D. G. 1901 A, 48, pl. xxii.
Fielden, H. W. 1877 A, 488.
Fielden and De Rance 1878 A, 566.
Fischer, J. B. 1829 A, 494 (Bos).
Foote, J. S. 1916 A, 107, pl. xii.
Foster, J. W. 1873 A, 85 ("musk-ox").
Frech, F. 1906 A, 473.
Frech and Geinitz 1903 A, 36.
Geikie, J. 1914 A, 325 ("musk-ox").
Gervais, P. 1859 A, 365.
Giebel, C. G. 1883 A, pl. lxix (Bos).
Gilmore, C. W. 1908 A, 35.
Girtanner, A. 1901 A, 120-146.
Goddard, P. E. 1927 A, 68 ("musk-ox").
Grant, M. 1904 B, 196.
Grevé, C. 1901 A, 371.
Harlé, E. 1901 A, 455 ("bœuf musqué").
Haug, E. 1911 A, 1873, 1887.
Hay, O. P. 1912 B, 8.
1912 D, 641, pl. ix.
1914 A, 293, pl. xxxvi, figs. 1-3.
1920 B, 126.
1923 A, 493.
1924 D, 382.
1927 D, 284.
Hornaday, W. T. 1911 A, 754.
Kobelt, W. 1900 A, 61, pl. vii, text-fig. 1.
Koken, E. 1893 B, 596.
Kowarzik, R. 1908 A, 616.
1909 A, 857.
1910 A, 89, pl. i; text-figs. 1-16.
1911 A, 106.
1912 A, pls. i, ii.
1913 B, 757.
Lambe, L. M. 1904 C, 31, 39, 51.
1907 A, 15 (This species?).
1908 B, 110 (This species?).
1912 A, 14.
Lartet, E. 1865 A, 474.
Lobley, J. L. 1908 A, 195.
Lydekker, R. 1898 D, 142, pl. xi.
1907 B, 31, fig. 12.
1913 B, 224.
Matschie, P. 1901 A, 308.
Miller, G. S. 1912 B, 394.
1924 C, 494.
Moreau, L. J. 1900 A, 115 ("bœuf-musqué").
Murdoch, J. 1892 A, 56.
Nehring, A. 1880 A.
Newton, E. T. 1891 A, 22.
Obalski, T. 1904 A, 216 ("bœuf-musqué").
Osborn, H. F. 1910 B, 438, 490, 492.
1916 B, 542.
Osgood, W. H. 1905 A, 184, pl. xxxvii, fig. 1; pl. xxxviii, fig. 1, pl. xxxix.
Peabody, C. 1913 A, 4 ("musk-ox").
Putnam, F. W. 1900 A, 11 ("musk-ox").
1911 A, vi ("musk-ox").
1911 B, 248 ("musk-ox").

Quackenbush, L. S. 1909 A, 127.
Rhoads, S. N. 1895 A, 247.
1903 A, 239.
Römer, F. 1907 A, 64.
Scharff, R. F. 1907 A, 124 ("musk-ox").
1911 A, 6.
Scott, W. B. 1913 A, 208.
Soergel, W. 1913 A, 103 (Præovibos).
Staudinger, W. 1908 A, 481.
Stefánnson, V. 1912 A, 720 ("musk-ox").
Stehlin, H. G. 1916 A, 93.
Stejneger, L. 1901 B, 92.
1928 A, 157 ("musk-ox").
Taschenberg, O. 1899 A, 4644.
Trouessart, E. L. 1905 A, 742.
Volk, E. 1911 A, 111, pl. lxxxvii, fig. 1 (Bos.).
1912 A, 185 ("musk-ox").
Wanderer, K. 1910 A, 83.
Webster, F. S. 893 A, 68, fig.
Wilson, T. 1901 A, 333.
Winchell, N. H. 1910 A, 419, pl. xi (O. cavifrons).
Winge, H. 1904 A, 286.
Wissler, C. 1916 A, 236 ("musk-ox." This genus?).
Woodward, A. S. 1898 B, 373.
Woodward, A. S. 1923 C, 47.
Woodworth, J. B. 1911 A, 273 ("musk-ox").
Wright, G. F. 1911 B, 675 ("musk-ox").
1911 C, 42 ("musk-ox").
Wright, R. R. 1883 A, 351, fig. 171.
Recent; Arctic regions of northeast America and Greenland: Pleistocene; Grinnell Land, New Jersey?, Ohio, Indiana, Colorado?, Iowa, Nebraska, Minnesota, South Dakota, Alberta?.

Ovibos proximus Bensley.

Bensley, B. A. 1923 A, 1-11, pls. i, ii.
Pleistocene (Late); Ontario.

Ovibos yukonensis Gidley.

Gidley, J. W. 1908 A, 681, pls. lvii, lviii; text-fig. 1.
Allen, J. A. 1913 A, 201.
Bensley, B. A. 1923 A, 4.
Diener, C. 1912 A, 218.
Haug, E. 1911 A, 1873.
Osborn, H. F. 1910 B, 490.
Quackenbush, L. S. 1909 A, 92, 127.
Wanderer, K. 1910 A, 84 (Syn. of O. m. mackenzianus).
Pleistocene; Yukon.

Boötherium Leidy. Type *Bos bombifrous* Harlan.

Leidy, J. 1852 F, 71.
Hay, O. P. 1902 A, 687 (Ovibos, part).
Allen, J. A. 1913 A, 159, 209.
Bensley, B. A. 1923 A, 9.
Hay, O. P. 1910 D, 372.
1912 D, 632.
1915 A, 527.
1923 A, 14, 96.
Kowarzik, R. 1912 A, 559.
Osgood, W. H. 1905 A, 81.
Palmer, T. S. 1904 A, 139, 915.
Scharff, R. F. 1911 A, 7, 154.
Staudinger, W. 1908 A, 495.
Wallace, A. R. 1876 A, II, 225.
Zittel and Schlosser 1911 A, 501 (Syn. of Ovibos).
1923 A, 591 (Syn. of Ovibos).

Boötherium bombifrons Leidy.

Hay, O. P. 1902 A, 687 (Ovibos).
Agassiz, L. 1851 B, 179 (Bos).
Allen, J. A. 1913 A, 209, fig. 45.
Baker, F. C. 1920 A, 315, 341, 396.
Cooper, Smith, and Dekay 1831 A, 371 (Bos).
Fischer, J. B. 1829 A, 498 (Bos).
Foster, J. W. 1869 A, 238,, 254.
1873 A, 87 (Ovibos).
Gervais, P. 1859 A, 365 (Bos).
Godman, J. D. 1860 A, II, 266, pl. ("Wistar's fossil ox").
Hay, O. P. 1912 D, 633, pl. viii.
1914 A, 291, pl. xxxv; text-fig. 96.
1923 A, 367.
Holland, W. J. 1919 A, 39 ("Boötherium").
Kowarzik, R. 1909 A, 859.
1912 A, 560.
Lydekker, R. 1898 D, 148 (Ovibos).
Osborn, H. F. 1910 B, 490.
Osgood, W. H. 1905 A, 180, 181, pl. xxxix, fig. 2; pl. xli, fig. 2; pl. xlii, fig. 2.
Peterson, O. A. 1926 A, 258, pl. xix, figs. 1-13; pl. xx, figs. 1-8; pl. xx (This species?).
Quackenbush, L. S. 1909 A, 127.
Rhoades, S. N. 1895 A, 247 (Ovibos).
Ruschenberger and Tryon 1879 A, 14.
Scharff, R. F. 1911 A, 80, 154.
Staudinger, W. 1908 A, 481, 494, 495.
Trouessart, E. L. 1905 A, 742 (Ovibos).
Pleistocene (Middle); Kentucky.

Boötherium nivicolens Hay.

Hay, O. P. 1915 A, 523, pl. xxxi, fig. 1.
Pleistocene; Alaska.

Boötherium sargenti Gidley.

Gidley, J. W. 1908 A, 683, pl. lix.
Baker, F. C. 1920 A, 455.
Hay, O. P. 1910 D, 372.
1914 A, 304.
1915 A, 525, pl. xxxi, fig. 2.
1923 A, 83, 331.
Pleistocene (Late Wisconsin); Michigan.

Boötherium sp. indet.

Hay, O. P. 1923 A, 252 (This genus?). Pleistocene (Late Wisconsin); Illinois.

Symbos Osgood. Type *S. tyrelli* Osgood.

Osgood, W. H. 1905 D, 223.
Allen, J. A. 1913 A, 159, 169, 213.
Bensley, B. A. 1923 A, 5.
Falconer, H. 1863 A, 62 (Boötherium).
Hay, O. P. 1910 D, 372.
1912 D, 634.
1914 A, 298.
1926 E, 390 ("musk-oxen").

Matthew, W. D. 1915 K, 403.
Osborn, H. F. 1909 D, 90.
1910 B, 487, 488, 490, 554.
Osgood, W. H. 1905 A, 174 (Scaphoceros, preoccupied).
Scharff, R. F. 1911 A, 153, 154, 155.
Scott, W. B. 1913 A, 208, 362, 418.
Zittel and Schlosser 1911 A, 501 (Syn. of Ovibos).
1923 A, 591, 681 (Syn. of Ovibos).

Symbos australis B. Brown.

Brown, B. 1908 A, 203, pl. xxii.
Haug, E. 1911 A, 1887.
Hay, O. P. 1914 A, 32.
1920 B, 125.
1924 D, 178, 251.
Osborn, H. F. 1910 B, 488.
Pleistocene (Middle); Arkansas.

Symbos cavifrons (Leidy).

Hay, O. P. 1902 A, 687 (Ovibos).
Allen, J. A. 1913 A, 214, pls. xvii, xviii.
Baker, F. C. 1920 A, 473.
Bradley, F. H. 1870 A, 229 ("Boötherium." This species?).
Brown, B. 1908 A, 202.
Calvin, S. 1897 A, 19 (Ovibos).
Case, E. C. 1915 B, 1, pls. i, ii.
Dall, W. H. 1896 A, 854 (Ovibos).
Dall and Harris 1892 A, 264 (Ovibos).
Dawkins, W. B. 1885 A, 243 (Ovibos).
Foster, J. W. 1869 A, 254 (Boötherium).
1873 A, 87 (Ovibos).
Fuller, M. L. 1912 A, 77 (Boötherium bombifrons).
Gervais, P. 1859 A, 365 (Bos).
Gilbert, G. K. 1890 A, 211, 305 ("musk-ox").
Gilmore, C. W. 1908 A, 35 (Ovibos maximus).
1918 B, 59.
Hatcher, J. B. 1902 E, 707, 709.
Hay, O. P. 1910 D, 372.
1912 B, 9.
1912 D, 635, text-figs. 49, 50.
1914 A, 42, 298, pl. xxxvi, fig. 4; pl. xxxvii, fig. 3; text-figs. 97-99.
1918 B, 22.
1920 B, 125.
1923 A, 496.
1924 D, 384 (Symbos, Ovibos).
1927 C, 282 ("musk-ox").
1927 D, 112, 278, pl. i, fig. 3.
1928 C, 425, 428, 429.
Keyes, C. R. 1889 A, 121 (Ovibos).
Kowarzik, R. 1909 A, 859 (Boötherium).
1912 A, 560 (Boötherium).
Lydekker, R. 1898 D, 148 (Syn. of Ovibos bombifrons).
Lyon, M. W. 1925 A, 321, fig. 1.
McGee, W J 1902 A, 200 (Ovibos).
Moodie, R. L. 1923 B, 129, pl. xxvi.
Osgood, W. H. 1905 A, 180, pl. xl, fig. 1; pl. xli, fig. 1 (Scaphoceros).
1905 D, 224.
Rhoads, S. N. 1895 A, 245 (Ovibos).
Richardson, J. 1854 A, 25, pl. xi, fig. 2-4 (Ovibos maximus).
Ruschenberger and Tryon 1879 A, 14 (Boötherium).
Shaler, N. S. 1877 A, 197 (Ovibos).
Shimek, B. 1902 A, 285 (Boötherium).
Staudinger, W. 1908 A, 481, 495.
Tilton, J. L. 1915 A, 236.
Trouessart, E. L. 1905 A, 742 (Ovibos).
Udden, J. A. 1901 A, 361.
Winchell, N. H. 1907 A, 164 (Ovibos).
Wright, G. F. 1905 A, 18 ("musk-ox." This species).
1911 A, 282 ("musk-ox." This species?).
Pleistocene; Oklahoma, Missouri, Illinois, Kentucky, Kansas, Iowa, Utah, Ohio, Michigan, Indiana, Alaska.

Symbos promptus Hay.

Hay, O. P. 1920 B, 115, 125, pl. vi, figs. 9, 10; pl. viii, figs. 1-6.
1923 A, 254.
1924 D, 178, 254, 255.
Leighton, M. M. 1921 A, 513.
Pleistocene (Middle); Oklahoma, Illinois?

Symbos tyrrelli Osgood.

Osgood, W. H. 1905 A, 173, pl. xxvii, fig. 2; pl. xxxviii, fig. 2; pl. xxxix, fig. 1; pl. xl, fig. 2; pl. xlii, fig. 1 (Scaphoceros).
Allen, J. A. 1913 A, 215.
Bensley, B. A. 1923 A, 6 (S. tyrelli).
Dall, W. H. 1868 A, 35 ("musk-ox." This species?).
Diener, C. 1912 A, 218.
Gilmore, C. W. 1908 A, 34.
Haug, E. 1911 A, 1873 (O. tyrelli).
Hay, O. P. 1914 A, 298, 302, pl. xxxvii, figs. 1, 2.
Lambe, L. M. 1912 A, 14.
1917 E, 295.
Osgood, W. H. 1905 C, 788 ("extinct musk-ox").
1905 D, 224.
Quackenbush, L. S. 1909 A, 127 (Ovibos).
Scharff, R. F. 1911 A, 80.
Staudinger, W. 1908 A, 481.
Pleistocene; Alaska.

Symbos sp. indet.

Hay, O. P. 1923 A, 68, 184, 248. Pleistocene; Pennsylvania.
1924 D, 179. Pleistocene; Iowa.
Tilton, J. L. 1910, 950. Pleistocene; Iowa.

BOVINÆ.

Hay, O. P. 1902 A, 688.
Abel, O. 1913 B, 746.
1914 A, 184.
1919 A, 815 (Cavicornia).
Adam, W. 1854 A, 237 ("bovines").
Arldt, T. 1907 D, 256 (Bisoninæ).
1912 A, 744 (Bisoninæ).
Auerbach, M. 1908 A, 5.
Bonaparte, C. L. 1832 A, 291 (Bovina).
Cuvier, G. 1825 A, IV, 107-165, pls. x-xii ("bœufs").
Duerst, J. U. 1902 B, 9 ("rind").
1903 B, 342 ("bovidés").
1908 A, 359.
Gadow, H. 1902 A, 220.

Hay, O. P. 1912 D, 644.
1914 A, 308.
Hoernes, R. 1886 A, 680.
Kampfen, P. N. 1905 A, 606.
Knottnerus-Meyer, T. 1907 A, 87, 89, 145 (Bovinæ); 144 (Bisontinæ).
La Baume, W. 1909 A, 45.
Lydekker, R. 1898 D, 3.
1913 B, 11.
Major, C. J. F. 1901 B, 243.
Matsumoto, H. 1918 D, 83 ("bisontines").
Matthew, W. D. 1915 A, 248, fig. 24.
Matthew, W. D. 1928 B, 968, 981, fig. 10 ("cattle").
Nopcsa, F. 1926 A, 645.
Osborn, H. F. 1909 D, 86.
1910 B, 255, 311, 329, 555.
Röse, C. 1897 A, 54, fig. 20 (Bos).
Schlosser, M. 1903 I, 172 ("bovinen").
Weber, M. 1904 A, 677.
Weber and Abel 1928 A, 583, 591.
Wherry, G. 1901 A, 348 ("oxen").
Zittel and Schlosser 1911 A, 504.
1923 A, 595.

Bison H. Smith. Type *Bos bison* Linnæus.

Hay, O. P. 1902 A, 688.
Abel, O. 1912 F, 663.
Allen, G. M. 1920 B, 161.
Allen, J. A. 1892 A.
Altmann, F. 1925 A, 108.
Arldt, T. 1907 D, 200.
Auerbach, M. 1908 A, 8.
Baker, F. C. 1920 A, 455.
Beddard, F. E. 1902 A, 318.
Beyer, H. 1908 A, 81 ("öchse").
Boas, J. E. V. 1884 B, 396 ("rind").
Brauer, A. 1914 A, 282.
Cope, E. D. 1880 U, 158 (Bos).
1895 G, 596 (Bos).
Depéret, C. 1912 A, 709.
De Stefani, C. 1921 A, 258.
Diener, C. 1912 A, 216 ("bisonten").
Elliot, D. G. 1901 A, 48.
Filatov, D. 1912 A.
Foote, J. S. 1916 A, 128, pl. xvi.
Frech, F. 1906 A, 479.
Gaudry, A. 1875 D, 1282 ("bisons").
Geikie, J. 1914 A, 320.
Geinitz, E. 1903 A.
1904 A.
Gidley, J. W. 1912 C, 19 ("bisons").
1913, in Matson and Stanford 1913 A, 143.
Gilmore, C. W. 1908 A, 34.
Grant, M. 1904 B, 196.
Gregory, W. K. 1912 F, 288.
Hay, O. P. 1912 B, 13.
1912 D, 645.
1913 C, 162.
1914 A, 309.
1917 I, 212.
1918 B, 10, 13.
1923 A, 480.
1925 D, 245.
1927 E, 77 ("bisons").
Heilprin, A. 1887 A, 379.
Hensel, R. 1879 A, 555 ("rind").
Hilzheimer, M. 1909 A, 241.
1910 A, 136.
1910 B, 42.
1920 A, 44, 77.
1921 B, 1.
Hrdlička, A. 1920 A, 464.
Hull, E. 1914 A, 616.
Kingsbury, B. F. 1926 A, 102 ("ox").
Knottnerus-Meyer, T. 1907 A, 89, 145, fig.
1910 A, 589.
La Baume, W. 1909 A, 45, 50.
Leunis and Ludwig 1883 A, 246.
Lindgren, W. 1911 A, 52 (Bos).
Lydekker, R. 1898 D, 50.
1913 B, 34.
Manigault, G. E. 1887 A, 130 ("bison").
Matsumoto, H. 1918 D, 83.
Matthew, W. D. 1915 A, 250.
1915 K, 410 ("bisons").
1924 E, 748.
Matthew and Cook 1909 A, 367.
1909 B, 197.
Meckel, J. F. 1825 A.
Merriam, C. H. 1892 A, 62.
Merriam, J. C. 1906 D, 249.
1918 D, 519.
Meunier, S. 1903 A, 775 ("bisons").
Miller, G. S. 1912 B, 394.
1924 C, 494.
Osborn, H. F. 1909 D, 87, 89.
1910 B, 607.
1912 G, 251.
1916 B, 536.
Owen, R. 1868 A, 867.
Palacký, J. 1903 B, 318.
Palmer, T. S. 1904 A, 187, 915.
Pavlow, W. 1906 A, 200.
1906 B, 53.
Roberts, F. H. H. 1927 A, xiv ("buffalo").
Sauvage, H. E. 1899 C, 148.
Schlosser, M. 1903 H, 146.
Schmidt, E. 1872 A, ("büffel").
Scott, W. B. 1913 A, 202, 362, 420, 677.
1916 A, 118 ("bison").
1917 A, 132.
Seton, E. T. 1909 A, 247.
Shimek, B. 1910 A, 135 (Bos).
Spencer, J. W. 1898 A, 27 ("bison").
Strecker, C. 1887 A, 312.
Trouessart, E. L. 1905 A, 745.
Tscherski, J. D. 1892 A, 75.
Troxell, E. L. 1917 C, 212.
Upham, W. 1902 A, 149 ("bison").
1903 C, 22679 ("bison").
Virchow, H. 1910 F, 265 ("rind").
1910 G, 269 ("rind").
Wallace, A. R. 1876 A, II, 222, 225.
Weber, M. 1904 A, 679.
Weber and Abel 1928 A, 592, 595.
Werth, E. 1917 A, 248.
Wilder, B. 1872 B, 320 (Bos).
Winchell, N. H. 1917 A, 133 (Bos).
Winge, H. 1906 A, 125.
Wright, G. F. 1911 B, 744 ("bison").
Wright, R. R. 1883 A, 315.

Yermoloff, A. 1907 A, 278.
Zittel and Schlosser 1911 A, 505.
1923 A, 595, 680, 681.

Bison alleni Marsh.

Hay, O. P. 1902 A, 688.
Baker, F. C. 1920 A, 455.
Beddard, F. E. 1902 A, 319.
Cook, H. J. 1928 A, 36.
Espinosa, L. 1902 A, 26, pl. opp. p. 8 ("Bos").
Gidley, J. W. 1924 A, 70 (B. sp.).
Gilmore, C. W. 1908 A, 33, pl. xii.
Haug, E. 1911 A, 1873, 1886.
Hay, O. P. 1913 C, 182, pl. xv, fig. 3; pls. xvi, xvii; text-figs. 7-9.
1914 A, 326, pl. xli, text-fig. 103.
1919 D, 364.
1923 A, 256.
1923 C, 3.
1924 D, 374 (B. alleni); 95 (B. crampianus).
1927 D, 302, 307.
Hilzheimer, M. 1910 A, 145.
1920 A, 60.
Holmes, W. H. 1903 A, 244 ("bison." This species?).
King, C. 1878 A, 494 (B. latifrons. This species?).
Lambe, L. M. 1917 E, 295.
Lull, R. S. 1921 B, 167.
Lydekker, R. 1912 D, 261 (Bos).
Matsumoto, H. 1918 D, 101.
McClung, C. E. 1905 A, 158.
McConnell, R. G. 1901 A, 185 (B. laticornis. This species?).
McGee, W J 1888 A, 27 ("ox." This species?).
Martin, H. T. 1924 A, 273, pl. xxvi, fig. 1; pl. xxvii, figs. 4, 4*a* (B. willistoni).
Mudge, B. F. 1877 A, 10 (B. latifrons).
Osborn, H. F. 1910 B, 464, 481, 483, 490.
Palacký, J. 1903 B, 318.
Quackenbush, L. S. 1909 A, 127, pl. xvii.
Richardson, J. 1854 A, 35, pl. xiii, fig. 3 (B. priscus?).
Scharff, R. F. 1911 A, 66, 80.
Shuler, E. W. 1923 A, 333 ("bison." This species?).
Soergel, W. 1921 A, 10, text-fig. 2 (B. latifrons).
Trouessart, E. L. 1905 A, 745.
Pleistocene; Kansas, Texas, Idaho, California, Nevada, Alaska, Yukon, Ontario.

Bison antiquus Leidy.

Hay, O. P. 1902 A, 688.
Abel, O. 1926 B, 238.
Archer, W. J. 1918 B, 13 ("bison").
Baker, F. C. 1920 A, 455.
Beddard, F. E. 1902 A, 319.
Chandler, A. C. 1916 B, 121; figs. 1-4, 7-12.
1916 D, 170.
Condon, T. 1871 A, 470 ("broad-faced ox").
1902 A, 153 (B. latifrons).
1910 A, 130, pl. xxix (B. latifrons).
Cooper, J. G. 1875 A, 390 (B. latifrons).
Foster, J. W. 1869 A, 254.
1873 A, 89.
Frech, F. 1906 A, 479.
Frech and Geinitz 1903 A, 36.
Gilbert, J. Z. 1910 B, 25, 36, fig. (Bos).
Haug, E. 1911 A, 1887.
Hay, O. P. 1912 D, 649, text-figs. 50, 51.
1913 C, 164, text-figs. 1-3.
1914 A, 309, 317, text-figs. 100, 101.
1923 A, 480.
1924 D, 189, 196.
1926 F, 426 ("bisons").
1927 D, 302.
Holmes, W. H. 1901 A, 423 ("bison." This species?).
La Baume, W. 1909 A, 57.
Lawson, A. 1914 A, 15.
Lindgren, W. 1911 A, 51 (Bos latifrons).
Lydekker, R. 1898 D, 61 (Syn. of Bos priscus).
1912 D, 260 (Bos).
McClung, C. E. 1905 A, 158.
McCornack, E. C. 1920 A, 16, 19.
Merriam, J. C. 1908 D, 473 ("bison").
1909 A, 293.
1909 C, 12, fig. ("bison").
1914 D, 15.
1915 G, 101 ("bison").
1918 D, 519 ("bison").
Merriam and Stock 1925 A, 11.
Miller, L. H. 1909 B, 306.
1912 A, 78.
Osborn, H. F. 1910 B, 607.
1925 D, 528, 531, 539, fig.
Rhoads, S. N. 1895 A, 248.
Ruschenberger and Tryon 1879 A, 92.
Schmidt, O. 1886 A, 187.
Sinclair, W. J. 1904 A, 20.
1908 A, 112 ("bison" This species?).
Stock, C. 1925 A, 30, 35, 201.
Swarth, H. S. 1915 A, 24, fig. 12.
Trouessart, E. L. 1905 A, 745.
Whitney, J. D. 1879 A, 249 (B. latifrons).
Wilson, T. 1901 A, 311 (B. latifrons. This species?).
Wyman, L. E. 1922 A, 28, fig. 19.
Yates, L. G. 1874 B, 18 (B. latifrons).
1903 A, 101 (B. latifrons).
Pleistocene; Indiana, West Virginia?, Kentucky, Iowa, California, Oregon, Utah?.

Bison bison (Linnæus).

Hay, O. P. 1902 A, 689.
Abbott, C. C. 1881 A, 482, 483 ("bison").
Abel, O. 1926 B, 440 (B. americanus).
Adam, W. 1854 A, 238 ("American bison").
Allen, G. M. 1920 B, 162, figs. 2, 3 (This species?).
1926 A, 452 (This species?).
Allen, J. A. 1900 C, 63.
Altmann, F. 1925 A, 108 (B. americanus).
Bailey, V. 1923 A, 254.
Baker, F. C. 1920 A, 455.
Bell, R. 1898 A, 373 ("bison").
Brandt and Woldrich 1887 A, 7 (Bos).
Broadhead, J. C. 1875 A, 186 ("bison").
Brown, A. E. 1904 B, 64.
Chandler, A. C. 1916 B, 122, figs. 5, 6.
Clapp, F. G. 1908 A, 520 (Bos americanus).
Collett, J. 1883 A, 73 ("buffalo").
Cooper, W. 1831 A, 211 (Bos americanus).

Cooper, Smith and Dekay 1831 A, 371 (Bos americanus).
Cuvier, G. 1825 A, IV, 138, 139, pl. x, figs. 3, 4; v, 2, 530 (Bos bison).
Elliot, D. G. 1901 A, 49, pl. xxiii.
Fischer, J. B. 1829 A, 495 (Bos).
Frech, F. 1906 A, 487 (B. americanus).
Gervais, P. 1859 A, 365 (Bos americanus).
Gidley, J. W. 1911 A, 436 (B. bison?).
1912 C, 19.
Grant, U. S. 1899 A, 189 (Bos americanus).
Hahn, W. L. 1909 A, 452.
Hartnagel and Bishop 1923 A, 92, pl. xxv.
Haug, E. 1911 A, 1886.
Hawn, F. 1866 A, 101 (B. americanus).
Hay, O. P. 1912 B, 13.
1912 D, 645, pl. x.
1913 B, 585.
1914 A, 38, 309, 310, pl. xxxviii; pl. xxxix, fig. 1.
1915 A, 520.
1918 C, 346 (This species?).
1920 B, 127.
1923 A, 480.
1923 C, 1-6.
1924 D, 374.
1927 D, 302.
Hayden, F. V. 1872 A, 10 ("buffalo").
Hilzheimer, M. 1909 A, 243, 257, 266 (B. bison); pl. vii, figs. 3, 4 (B. americanus).
1910 B, 44 (B. americanus).
1920 A, 54, 79.
1921 B, 1-63, figs. 3, 6, 9, 14, 19, 27, 30, 33, 36, 39, 42, 44.
Holmes, W. H. 1903 A, 242 ("bison").
Hornaday, W. T. 1889 A, 369-548, pls. i-xxii (B. americanus).
Hrdlička, A. 1903 A, 378.
Hue, E. 1907 A, pls. xx, lxxiii, xciii, cvii, cxxi, cxxviii, cxlv, clviii, clxxv, clxxxvi (Bos americana).
Kermode, F. 1916 A, 21.
Knottnerus-Meyer, T. 1907 A, 145.
Koken, E. 1893 B, 596 (B. americanus).
La Baume, W. 1909 A, 57 (B. americanus).
Lambe, L. M. 1916 C, 21.
Lawson, A. C. 1889 A, 172 F (Bos americanus).
Leche, W. 1887 A, 603 (Bos).
Loomis, F. B. 1925 E, 602.
1925 F, 602.
Lucas, F. A. 1887 A, 460 (B. americanus).
Lydekker, R. 1898 D, 79 (Bos).
1907 B, 19 (Bos).
1912 D, 216, 260, pl. xxii (Bos).
1913 B, 37 (Bos).
Lyell, C. 1845 B, II, 65 ("bison").
Martin, H. T. 1924 A, pl. xxvii, figs. 6, 6a.
Matthew, W. D. 1915 K, 410 ("bison").
McClung, C. E. 1905 A, 158.
McGee, W J 1891 A, 431 (B. americanus?).
Merriam, C. H. 1926 A, 211.
Miller, G. S. 1924 C, 494.
Miller, R. 1912 B, 394.
Moodie, R. L. 1923 B, 129, pls. xviii, xxiv, lvi, lvii.
Moreau, L. J. 1900 A, 112 ("bisons").
Osborn, H. F. 1910 B, 368 ("Bison"); 464, 607 (B. bison).
Owen, R. 1868 A, 625 (B. americanus).
Packard, A. S. 1867 A, 243, 246, 260, 261 ("bison").
1868 B, 268 ("bison").
Pavlow, M. 1906 B, 54 (B. americanus).
Peabody, C. 1913 A, 4 ("bison").
Rhoads, S. N. 1895 A, 244.
1903 A, 239.
Savage, J. 1878 A, 10 ("buffalo").
Scharff, R. F. 1911 A, 65, 145.
Schmidt, O. 1886 A, 180, fig. 28 (B. americanus).
Scott, W. B. 1913 A, 152, 203, 419.
Seton, E. T. 1906 F, 385-405, figs. (B. americanus).
1909 A, 247, pls. xxii-xxxi; text-figs. 100-107, maps 10-12.
Shaler, N. S. 1870 A, 136 (Bos americanus).
1877 A, 197 ("buffalo").
Slade, D. D. 1887 A, 460 (B. americanus).
Smith, B. 1914 B, 67, pl. ii.
Spencer, J. W. 1895 A, 137 (B. americanus. This species?).
Sternberg, C. S. 1903 A, 511 ("buffalo").
1903 D, 90 ("buffalo." This species?).
Stone, G. H. 1899 A, 55 ("bison").
Trouessart, E. L. 1905 A, 745.
Tscherski, J. D. 1892 A, 86 seq.
Underhill, B. M. 1910 A, 82 (Bos americanus).
Volk, E. 1911 A, 136, 210, pl. cxx (This species?).
Werth, E. 1917 A, 253.
White, C. A. 1885 A, 47 ("bison").
Whitney, J. D. 1862 A, 136 (Bos americanus).
1866 A, 162 ("buffalo").
Wilson, T. 1901 A, 338 (B. americanus).
Winchell, N. H. 1910 A, 420, pl. xi, figs. 1, 2 (B. latifrons?).
Worthen, A. H. 1873 A, 308 ("buffalo").
1890 A, 23 ("buffalo").
Wright, G. F. 1905 A, 18 ("bison." This species?).
1911 A, 282 ("bison." This species?).
1911 C, 42 ("bison." This species).
Wright, R. R. 1883 A, 316 (B. americanus).

Recent; greater part of North America (except Atlantic, Gulf, and Pacific coasts) north to Great Lakes and Great Slave Lake: Pleistocene; Ontario, Massachusetts, New York, New Jersey, Pennsylvania, Indiana, Illinois, Wisconsin, Kentucky, Texas, Oklahoma, Missouri, Kansas, Colorado, Iowa, Nebraska, Wyoming, Minnesota, South Dakota, Washington, Alberta.

Bison chaneyi Cook.

Cook, H. J. 1928 A, 34, figs. 1, 2.

Pleistocene; Texas.

Bison crassicornis Richardson.

Hay, O. P. 1902 A, 689.
Dall, W. H. 1896 A, 854.
Dall and Harris 1892 A, 264.
Dawson, J. W. 1894 D, 4.
Gilmore, C. W. 1908 A, 18, 31, pl. x; text-fig. 4.
Haug, E. 1911 A, 1873.
Hay, O. P. 1887 A, 53 ("buffaloes").
1913 C, 179, pl. xiv.

Joleaud, L. 1920 A, 499.
Lambe, L. M. 1904 C, 31, 39, 51.
Lucas, F. A. 1901 A, 307.
Lydekker, R. 1898 D, 61 (Syn. of Bos priscus).
1912 D, 261 (Bos).
McClung, C. E. 1905 A, 158.
Matsumoto, H. 1918 D, 93, pls. xx, xxviii, xxix; text-figs. 1-3.
Merrill, G. P. 1907 A, 25.
Osborn, H. F. 1910 B, 481, 483, 490.
Quackenbush, L. S. 1909 A, 127.
Scharff, R. F. 1911 A, 67, 80.
Scott, W. B. 1913 A, 203, 420.
Trouessart, E. L. 1905 A, 745.
Whiteaves, J. F. 1903 A, 240.
Pleistocene; Alaska, Yukon.

Bison latifrons (Harlan).

Hay, O. P. 1902 A, 689 (B. latifrons, B. ferox).
Allen, G. M. 1926 A, 452.
Baker, F. C. 1920 A, 455.
Bárcena, M. 1882 A, 20 ("toro fosil." This species?).
Beddard, F. E. 1902 A, 319 (B. latifrons, B. ferox).
Blake, W. P. 1908 A, 67 ("Bos").
Brown, A. E. 1904 B, 66.
Cook, H. J. 1928 A, 36.
Deussen, A. 1924 A, 108.
Dollo, L. 1869 I, 685 (Bos).
Falconer, H. 1863 A, 53 (This species?).
1868 A, 223.
Felix and Lenk 1891 A, 126, 128, 138.
Foster, J. W. 1869 A, 238, 254.
1873 A, 89.
Frech, F. 1906 A, 477.
Frech and Geinitz 1903 A, 35 (This species?).
Freudenberg, W. 1921 A, 139.
1922 A, 5 (This species?).
Furlong, E. L. 1925 A, 139 (This species?).
Gervais, P. 1859 A, 365 (Bos).
Gidley, J. W. 1927 E, 274 (This species?).
Godman, J. D. 1860 A, 266, pl. ("fossil ox").
Haug, E. 1911 A, 1887.
Hay, O. P. 1910 D, 371.
1912 D, 652, pl. xi.
1913 C, 192, pl. xix.
1914 A, 327, pl. xlii, fig. 1.
1917 I, 213.
1919 D, 362, 363, 364.
1923 A, 480.
1924 D, 374 (B. latifrons); 199 (B. ferox).
1927 C, 281 ("long-horned bisons").
1927 D, 302 (Bos arizonica, Bison latifrons).
1928 B, 237.
Hay, R. 1890 A, 40, 42 (Bison. This species?).
Hrdlička, A. 1907 A, 17 ("Bos"); 18 (B. latifrons. This species?).
La Baume, W. 1909 A, 57.
Leidy, J. 1859 J, 181 ("broad-fronted bison").
Lucas, F. A. 1902 B, 260.
Lydekker, R. 1912 D, 262 (Bos).
Lyell, C. 1855 A, I, 348; II, 261 (Harlanus americanus. Species doubtful).
McAdams, W. 1883 A, lxxx (This species?).
McClung, C. E. 1905 A, 158.
Martin, H. T. 1927 A, 399 (Syn. of B. latifrons).
Matson and Clapp 1909 A, 136 (B. americanus. This species?); 137 (B. latifrons).
Matthew, W. D. 1909 B, 198.
Merriam, J. C. 1912 C, 221.
Merrill, G. P. 1907 A, 26.
Norton, O. D. 1875 A, 386 (Bos).
Osborn, H. F. 1905 E, 932.
1910 B, 607, fig. 212 (B. latifrons); 481, 483 (B. ferox).
Owen, R. 1845, Cat. Foss. Mam. Mus. Coll. Surg., 197 (Lophiodon bathygnathus).
1845 B, 548 (Sus americana. This species?).
Palacký, J. 1903 B, 317 (Harlanus americanus. This species?).
Peale, R. 1803 B, 84 ("great buffalo").
Plummer, J. T. 1843 A, 300, fig. 12 ("horns." Young of this species?).
Rath, G. 1886 A, 106 (Bos. This species?).
Rhoads, S. N. 1895 A, 245.
Rogers, A. F. 1924 A, 544 (B. ferox).
Schmidt, O. 1886 A, 187.
Schrader, F. C. 1915 A, 56 ("Bos").
Scott, W. B. 1913 A, 203, 420.
Sellards, E. H. 1915 D, 77.
1916 B, 102, 112.
Shaler, N. S. 1877 A, 197.
Shimek, B. 1902 A, 285.
1904 A, 305.
Trouessart, E. L. 1905 A, 745 (B. latifrons, B. ferox).
Villada, M. M. 1903 A, 448, pl. v (This species?).
Wilson, T. 1892 A, 629 (This species?).
1901 A, 322, 338 (This species?).
Yates, L. G. 1903 A, 101.
Pleistocene (Early and Middle); Kentucky, Ohio, Illinois?, South Carolina?, Georgia, Florida, Mississippi, Texas, Colorado?, Nebraska, Arizona, California.

Bison occidentalis Lucas.

Hay, O. P. 1902 A, 690.
Abel, O. 1914 A, 186, fig. 143.
Anonymous 1906 C, 711 (B. crassicornis).
Baker, F. C. 1920 A, 455.
Boule, M. 1923 A, 400.
Carman, J. E. 1917 A, 410.
Condon, T. 1902 A, 153, pl. xxix (Bos latifrons).
Cook, H. J. 1928 A, 36.
Cossmann, M. 1899 C, 85.
Dall and Harris 1892 A, 266 (B. antiquus).
Goddard, P. E. 1926 A, 259.
1927 A, 68 ("bison").
Haug, E. 1911 A, 1873, 1886.
Hay, O. P. 1913 B, 584 (B. kansensis).
1913 C, 167, pl. ix, figs. 3-4; pls. x-xiii; text-figs. 4-6.
1914 A, 34, 319, pl. xxxix, figs. 2, 3; pl. xl; text-fig. 102.
1917 C, 359 ("extinct bison").
1917 E, 68.
1918 B, 24.
1919 D, 364.
1923 A, 480.
1923 C, 1, pls. i, ii.
1924 D, 374 (B. occidentalis); 193, 204 (B. kansensis).

Hay, O. P. 1927 D, 302 (B. occidentalis); 278 (B. willistoni).
Hay, R. 1885 A, 98 (This species?).
Hilzheimer, M. 1920 A, 59, 78.
Holland, W. J. 1915 A, 225, pl. xliii (B. crassicornis).
Joleaud, L. 1920 A, 499.
Lull, R. S. 1919 A, 222.
Lydekker, R. 1912 D, 260 (Bos).
McClung, C. E. 1905 A, 157, fig. 10 (B. kansensis); 158 (B. occidentalis).
1908 A, 249, pl. xiv.
Martin, H. T. 1924 A, 277, pl. xxvi, fig. 2; pl. xxvii, figs. 5, 5*a*; 274 (B. kansensis).
Matsumoto, H. 1918 D, 85, pls. xxiv-xxviii, text-figs. 1-3.
1927 A, 51, 52, pl. xxv, figs. 3, 4; pl. xxvi, figs. 1-3 (B. o. curvicornis).
Merrill, G. P. 1907 A, 26.
Moodie, R. L. 1909 C, 123.
Osborn, H. F. 1909 D, 88.
1910 B, 607, fig. 213.
1922 G, 449.
Osgood, W. H. 1907 A, 65.
Pavlow, M. 1906 B, 55, pl. v, fig. (Syn. B. priscus).
Quackenbush, L. S. 1909 A, 91, 127, pl. xvii.
Scharff, R. F. 1911 A, 80.
Scott, W. B. 1913 A, 420, 589.
Trouessart, E. L. 1905 A, 745.
Upham, W. 1903 A, 33.
1903 B, 187 ("bison").
Werth, E. 1917 A, 253, fig. 3.
Williston, S. W. 1902 M, 313.
1905 A, 335.
Wilson, T. 1901 A, 305, fig. 2.
Winchell, N. H. 1907 A, 164 (B. latifrons).
1917 A, 139.
Worthen, A. H. 1890 A, 8 (Bos primigenius. Species doubtful).
Pleistocene; Kansas, Iowa, Nebraska, New Mexico, Minnesota, South Dakota, Manitoba, Alaska, Yukon.

Bison pacificus Hay.

Hay, O. P. 1927 D, 118, 212 (B. pacificus); 122 ("bison." This species?).
Pleistocene; California.

Bison regius Hay.

Hay, O. P. 1913 C, 192, pl. xviii; text-fig. 10.
Abel, O. 1914 A, 185, fig. 142 (B. latifrons).
Cook, H. J. 1928 A, 36.
Hay, O. P. 1914 A, 327, pl. xlii, figs. 2, 3.
1923 A, 15.
1924 D, 374.
1927 D, 302.
Lydekker, R. 1914 A, 631, fig. 1.
McClung, C. E. 1905 A, 159 (B. latifrons).
Martin, H. T. 1927 A, 397, pls. xlii, xliii.
Matthew, W. D. 1909 E, 198 (B. latifrons).
1921 E, 606, fig.
Osborn, H. F. 1920 A, 240, 243, fig.
Sternberg, C. H. 1909 C, 267, fig. 43 ("Bison").
Pleistocene; Kansas, Texas.

Bison sylvestris Hay.

Hay, O. P. 1915 A, 515, pl. xxx; text-fig. 1.
1923 A, 32, 257.
1924 D, 198, 208.
Pleistocene (Late Wisconsin); Ohio.

Bison taylori Hay and Cook.

Hay and Cook 1928 A, 36.
Pleistocene; New Mexico.

Bison texanus Hay and Cook.

Hay and Cook 1928 A, 31.
Pleistocene; Texas.

Bison sp. indet.

Adams, A. L. 1879 A, 116, 117 ("bison," B. priscus?).
Anonymous 1927 A, 477. Pleistocene; Texas, New Mexico.
Antevs, E. 1925 A, 75 ("bison"). Pleistocene (Walker River); Nevada.
Blake, J. H. 1874 A, 270 (B. latifrons?). Pleistocene; California.
Blake, W. P. 1884 A, 273.
Bolton, H. C. 1888 A, 123 ("buffalo").
Broadhead, J. C. 1870 B, xxiii (B. latifrons).
Cahn, A. R. 1922 A, 23.
Cannon, G. L. 1888 B, 59, 61 ("bison"). Pleistocene; Colorado.
1896 in Emmons, S. F. 1896 A, 260, 261 ("bison"). Pleistocene; Colorado.
Coleman, A. P. 1900 A, 329, 331 ("bison"). Pleistocene (Don beds); Ontario.
1901 A, 301 (B. americanus?).
1907 A, 1248 ("bison"). Pleistocene (Don beds); Ontario.
1913 B, 18, 20. Pleistocene (Don beds); Ontario.
1917 A, 359 ("bison").
Cook, H. J. 1912 D, 45. Pliocene (Snake Creek); Nebraska.
1925 A, 460. Pleistocene; Texas.
1926 D, 335, fig. 2. Pleistocene; Texas.
Dall, W. H. 1870 A, 238 ("fossil buffalo").
1870 B, 136 ("buffalo").
Dawson, G. M. 1901 A, 185 A (Bison? laticornis).
Diller, J. S. 1906 A, 11 ("bison"). Pleistocene (Potter Creek); California.
Figgins, J. D. 1925 A, 17. Pleistocene; Texas.
Figgins and Cook 1927 A, 477. Pleistocene; Texas, New Mexico, Oklahoma.
Freudenberg, W. 1910 A, 5. Pleistocene; Mexico.
Gidley, J. W. 1915 D, 20 ("Bison"). Pleistocene; Florida.
1924 A, 69. Pleistocene (Early); Nevada.
1926 C, 484. Pleistocene (Early); Arizona.
1928 B, 16 ("bison"). Pleistocene; Florida.
Gilbert, G. K. 1890 A, 303 ("ox"). Pleistocene (Lake Lahontan); Nevada.
Goddard, P. E. 1926 A, 258. Pleistocene; Texas.
Gregory, H. E. 1917 A, 82 ("Bison?"). Pleistocene; Arizona.
Habersham, J. 1846, in Hodgson, W. B. 1846 A 29 ("bos"). Pleistocene; Georgia.

Hay, O. P. 1914 A, 26.
1917 E, 45. Pleistocene (Vero); Florida.
1920 B, 115 (Illinois); 127 (Oklahoma); 131 (Texas).
1921 A, 600, 611. Pleistocene (Early); Colorado, Washington (This genus?).
1923 A, 480.
1924 B, 260 ("bison"). Pleistocene; Florida.
1926 D, 359.
1926 G, 129 ("bison"). Pleistocene (Walker River); Nevada.
1927 D, 301, 302, 309. Pleistocene; California, Idaho, Nevada, Iowa, New Mexico, Oklahoma, Oregon, Texas, Washington.
1928 C, 425, 429.
Hilgard, E. W. 1869 A, 82 ("buffalo"). Pleistocene; Louisiana.
1872 A, 14 ("buffalo").
Holland, W. J. 1908 A, 231 ("Bison").
Hrdlička, A. 1926 A, 7 ("buffalo").
Jones, J. C. 1928 A, 7 ("buffalo"). Pleistocene (Lahontan); Nevada.
Kellogg, R. 1922 A, 80. Pleistocene (San Pedro); California.
Lambe, L. M. 1912 B, 347 (B. americanus). Pleistocene; Alberta; 349 (B. crassicornis). Pleistocene; Yukon.
Lee, Stone, and Gale 1915 A, 173 ("ox"). Pleistocene (Lake Lahontan); Nevada.
Leidy, J. 1886 D, 275. Nicaragua.
Lyell, C. 1855 A, 348 ("ox").
McAdams, W. 1887 A, 35 ("buffalo").
McCornack, E. C. 1914 A, 15. Pleistocene; Oregon.
1920 A, 15. Pleistocene (Washtucna Lake); Washington.
McCourt, W. E. 1917 A, 70 ("bison"). Pleistocene; Missouri.
McGee, W J 1888 A, 35 ("bison").
1889 A, 303 ("ox"). Pleistocene (Lake Lahontan); Nevada.
Matthew, W. D. 1925 A, 97. Pleistocene (Early); Florida.
Matthew and Cook 1909 A, 367, 414.
Merriam, J. C. 1917 A, 437. Pliocene (Snake Creek); Nebraska.
Merriam and Stock 1921 A, 567. Pleistocene (Early); California.
1925 A, 10, 11. Pleistocene (Potter Creek); California.
Miller, L. H. 1912 A, 71. Pleistocene (Potter Creek Cave); California.
1925 A, 309 ("bison"). Pleistocene (McKittrick); California.
Murdoch, J. 1892 A, 56. Pleistocene (Point Barrow); Alaska.
Obalski, T. 1904 A, 216 ("bison").
Osborn, H. F. 1910 B, 474. Pleistocene (Washtucna Lake); Washington; 477. Pleistocene; California.
Parks, W. A. 1924 A, 38. Pleistocene (Late); Saskatchewan.
1925 A, 226 ("Bison"). Post-glacial; Saskatchewan.
Rhoads, S. N. 1903 A, 239. Pleistocene (Port Kennedy); Pennsylvania.
Russell, I. C. 1885 A, 238 ("ox"). Pleistocene (Lake Lahontan); Nevada.
Schmidt, E. 1872 A, 254 ("Bison"). Pleistocene (Table Mountain); California.
Sellards, E. H. 1916 B, 103. Pleistocene; Florida.
1916 C, 150, 158 ("bison"). Pleistocene; Florida.
1916 E, 16. Pleistocene; Florida.
1916 F, 9 (B. sp.).
Sinclair, W. J. 1904 A, 18 ("Bison sp.").
1904 B, 11. Pleistocene; Nevada.
1915 A, 77 ("bovid genus indet"). Pliocene (Snake Creek); Nebraska.
Smith, D. T. 1904 A ("ox"). Pleistocene (Lahontan); Nevada.
Stock, C. 1925 A, 113. Pleistocene (Upper San Pedro and caves); California.
Stone, G. H. 1899 A, 54 ("bison"?). Maine.
Tilton, J. L. 1910 A, 950.
Todd, J. E. 1918 A, 45 ("bison"). Pleistocene; Kansas.
Udden, J. A. 1901 A, 260 (B. latifrons).
Whiteaves, J. F. 1901 B, 185 (B. laticornis). Pleistocene; Klondike.
Wyman, J. 1875 A, 81 ("ox").

SIMOBISON Hay and Cook. New genus. Type *Bison fiigginsi* Hay and Cook.

Hay and Cook 1928 A, 33 (Bison).

Figgins, J. D. 1928 A, 19, fig. 7 ("extinct bison").
Pleistocene (Aftonian); Texas.

Order TILLODONTIA Marsh.

Hay, O. P. 1902 A, 715.
Abel, O. 1913 B, 711 (Tillodontidæ).
Ameghino, F. 1889 A, 1026 (Tillodonta).
1897 B, 261.
1901 A, 418 (Tillodonta).
1902 B, 10 ("tilodontes").
1902 D, 428 ("tillodontes").
1904 B, 52 (Tillodonta).
1906 A, 347 ("tillodontes").
Arldt, T. 1907 A, 238, 243.
1907 B, 452 ("tillodontier").
1907 D, 685.
1912 A, 686.
Baird, S. F. 1876 A, 305, 337.
Beddard, F. E. 1902 A, 506.
Case, E. C. 1899 B, 182.
Cope, E. D. 1875 Y, 447, 448.
1880 U, 151 ("tillodontes"); 152 (Tillodonta).
1885 BB, 72 (Tillodonta).
1891 N, 73, 75 (Tillodonta).
Delafontaine, M. 1875 A, 169.
Depéret, C. 1905 C, 703 ("tillodontes").
Gregory, W. K. 1910 A, 100, 292, 445.
1920 A, 171.
Hoernes, R. 1886 A, 664.

Höfer, H. 1911 A, 486.
Jaekel, O. 1911 A, 223 (Tillodonti).
Kingsley, J. S. 1925 A, 209.
Koken, E. 1893 B, 486 (Tillodonta).
Leche, W. 1902 A, 28.
Major, C. J. F. 1899 B, 68.
Matthew, W. D. 1909 C, 94, 97, 101.
1912 B, 186.
1918 H, 607.
1921 D, 214.
1928 B, 966, 977 ("tillodonts").
Osborn, H. F. 1898 U, 686.
1899 J, 415.
1901 D, 623.
1902 E, 356, fig. 1.
1907 G, 13, 151.
1909 D, 136.
1910 B, 633.
1925 B, 18.
Palacký, J. 1902 A, 3 ("tillodontien").
Reynolds, S. H. 1897 A, 365, 435, 511, 520.
Scharff, R. F. 1911 A, 244.
Schlosser, M. 1902 I, 738.
1905 A, 329.
1911 A, 102.
Scott, W. B. 1913 A, 267, 276.
Steinmann, G. 1907 A, 477.
Stromer, E. 1912 A, 177.
Tims, H. W. M. 1901 A, 283.
Trouessart, E. L. 1905 A, 547.
1897 B, 87.
Wallace, A. R. 1876 A, 1, 139.
Weber, M. 1904 A, 468, 510, 513.
Weber and Abel 1928 A, 90, 168, 294.
Weber and Burlet 1927 A, 237.
Zittel and Schlosser 1911 A, 371 (Tillodontidæ).
1923 A, 450 (Tillodontidæ).

ESTHONYCHIDÆ Cope.

Hay, O. P. 1902 A, 715.
Ameghino, F. 1906 A, 347.
Arldt, T. 1907 D, 653.
1912 A, 700.
Matthew, W. D. 1921 D, 214.
Trouessart, E. L. 1905 A, 547.
Winge, H. 1917 A, 91, 100, 101 (Esthonychini).
1923 A, 123. 130 (Esthonychini).
Zittel and Schlosser 1911 A, 371, 413 (Tillodontidæ); 372 (Esthonychinæ).
1923 A, 450 (Esthonychinæ).

ESTHONYX Cope. Type *E. bisulcatus* Cope.

Hay, O. P. 1902 A, 715.
Abel, O. 1913 B, 711.
Beddard, F. E. 1902 A, 507.
Case, E. C. 1899 B, 182.
Chardin, T. 1922 A, 63, 80, pl. iii.
Depéret, C. 1908 A, 112.
1912 A, 707.
Granger, W. 1914 A, 204.
Gregory, W. K. 1910 A, 293.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 348.
Lemoine, V. 1889 A, 237.
Loomis, F. B. 1905 C, 296.
Matthew, W. D. 1909 C, 101.
1915 K, 420.
1918 H, 607.
1928 B, 966, 977.
Osborn, H. F. 1907 G, 151, fig. 116.
1909 D, 38, 45, 46.
1910 B, 125, 132, 523.
1912 G, 236, fig. 3.
1919 B, 558.
Palacký, J. 1902 A, 3.
Palmer, T. S. 1904 A, 271, 906.
Schlosser, M. 1898 B, 366.
1899 U, 462.
Seeley, H. G. 1886 A, 415.
Stehlin, H. G. 1905 A, 555.
Tims, H. W. M. 1901 A, 283.
Trouessart, E. L. 1905 A, 547.
Wallace, A. R. 1876 A, 1, 139.
Weber, M. 1904 A, 514.
Weber and Abel 1928 A, 168.
Winge, H. 1917 A, 100.
1923 A, 130, 212, 215, 216.
Zittel and Schlosser 1923 A, 451, 666.

Esthonyx acer Cope.

Hay, O. P. 1902 A, 715.
Matthew, W. D. 1909 C, 94.
Merrill, G. P. 1907 A, 36.
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); New Mexico.

Esthonyx acutidens Cope.

Hay, O. P. 1902 A, 715.
Ameghino, F. 1904 A, 414, fig. 541.
Matthew, W. D. 1909 C, 94.
Schlosser, M. 1899 U, 462.
Trouessart, E. L. 1905 A, 547.
Lower Eocene (Wind River); Wyoming.

Esthonyx bisulcatus Cope.

Hay, O. P. 1902 A, 715.
Matthew, W. D. 1909 C, 94.
Merrill, G. P. 1907 A, 36.
Reeside, J. B. 1924 A, 46.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Esthonyx burmeisterii Cope.

Hay, O. P. 1902 A, 715.
Loomis, F. B. 1907 B, 357.
Matthew, W. D. 1909 C, 94.
Merrill, G. P. 1907 A, 37.
Reeside, J. B. 1924 A, 46 (E. burmeisteri).
Seeley, H. G. 1886 A, 415, fig.
Zittel and Schlosser 1911 A, 372, fig. 535.
1923 A, 450, fig. 572.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Esthonyx spatularius Cope.

Hay, O. P. 1902 A, 716.
Matthew, W. D. 1909 C, 94.
Reeside, J. B. 1924 A, 46 (E. spatularia).
Lower Eocene (Wasatch); New Mexico: (Wind River); Wyoming.

Esthonyx sp. indet.

Sinclair and Granger 1912 A, 60 (Fort Union?); Wyoming.

ANCHIPPODONTIDÆ Gill.

Hay, O. P. 1902 A, 716 (Includes Tillotheriidæ).
Ameghino, F. 1906 A, 347 (Tillotheriidæ).
Arldt, T. 1907 D, 685 (Tillotheridæ).
1912 A, 700.
Matthew, W. D. 1909 C, 94, 97, 101.
Matthew, W. D. 1909 D, 301.
1913 E, 791.
Trouessart, E. L. 1905 A, 547.
Weber and Abel 1928 A, 125 (Tillotheriidæ).
See citations under Tillotheriidæ).

ANCHIPPODUS Leidy. Type *A. riparius* Leidy.

Hay, O. P. 1902 A, 716.
Ameghino, F. 1889 A, 962.
Beddard, F. E. 1902 A, 507.
Cope, E. D. 1872 RR, 1.
1875 Y, 447.
Matthew, W. D. 1909 C, 97.
1913 E, 791.
1928 B, 977.
Palmer, T. S. 1904 A, 101, 906.
Trouessart, E. L. 1905 A, 547.
Wallace, A. R. 1876 A, I, 139.
Weber, M. 1904 A, 514.
Weber and Abel 1928 A, 168.

Anchippodus riparius Leidy.

Hay, O. P. 1902 A, 717.
Matthew, W. D. 1909 C, 97 (A. vetulus).
1913 E, 791.
Rhoads, S. N. 1903 A, 233.
Eocene; New Jersey.

TILLOTHERIIDÆ Marsh.

Marsh, O. C. 1875 C, 221.
Hay, O. P. 1902 A, 716 (Anchippodontidæ, in part).
Abel, O. 1919 A, 728.
1922 C, 291 ("tillotheriiden").
Baird, S. F. 1876 A, 337 (Tillotheridæ).
Matthew, W. D. 1913 E, 791.
1914 B, 387.
1921 D, 214.
Palmer, T. S. 1904 A, 774, 906 (Tillotheridæ).
Winge, H. 1917 A, 91, 99, 101 (Tillotheriidæ, Tillotheriini).
1923 A, 123, 129, 131, 195 (Tillotheriidæ, Tillotheriinæ).
Zittel and Schlosser 1911 A, 372 (Tillotheriinæ).
1923 A, 451 (Tillotheriinæ); 667 (Tillotheriidæ).
See citations under Anchippodontidæ.

TROGOSUS Leidy. Type *T. castoridens* Leidy.

Leidy, J. 1871 F, 114.
Hay, O. P. 1902 A, 716 (Anchippodus, part).
Granger, W. 1918 A, 148.
Haug, E. 1911 A, 1528 (Trogostus).
Matthew, W. D. 1909 C, 97, 101.
1913 E, 791.
Osborn, H. F. 1909 D, 52, 97.
1919 B, 558.
Palmer, T. S. 1904 A, 695, 906.

Trogosus castoridens Leidy.

Hay, O. P. 1902 A, 717 (Anchippodus minor, part).
Matthew, W. D. 1909 C, 97.
1913 E, 791.
Middle Eocene (Lower Bridger); Wyoming.

Trogosus minor (Marsh).

Hay, O. P. 1902 A, 717 (Anchippodus minor, part).
Matthew, W. D. 1909 C, 97.
1913 E, 791 (Palæosyops. This genus?).
Middle Eocene (Lower Bridger); Wyoming.

Trogosus vetulus Leidy.

Hay, O. P. 1902 A, 717 (Anchippodus).
Matthew, W. D. 1909 C, 97 (This genus?).
Middle Eocene (Bridger); Wyoming.

TILLOTHERIUM Marsh. Type *T. hyracoides* Marsh.

Hay, O. P. 1902 A, 716.
Abel, O. 1913 B, 711.
1914 A, 53.
1922 C, 291.
Ameghino, F. 1904 A, 413, 415.
Anonymous 1916 B, 474.
Baird, S. F. 1876 A, 337.
Beddard, F. E. 1902 A, 507.
Boule, M. 1891 A, 34.
Case, E. C. 1899 B, 183.
Delafontaine, M. 1875 A, 170.
Gregory, W. K. 1910 A, 292-294.
1920 A, 171.
Haug, E. 1911 A, 1528.
Höfer, H. 1911 A, 486.
Hoernes, R. 1886 A, 664.
Leche, W. 1887 A.
1905 A, 583.
Matthew, W. D. 1909 C, 97, 101.
1913 E, 491.

Matthew, W. D. 1918 H, 607.
1924 E, 748.
1928 B, 977.
Osborn, H. F. 1898 V, 206.
1909 D, 49, 50, 52.
1910 B, 155, 162, 523, fig. 61.
Palmer, T. S. 1904 A, 680, 906.
Schlosser, M. 1898 B, 366.
1911 A, 102.
Schmidt, O. 1886 A, 285.
Steinmann, G. 1907 A, 478.
Trouessart, E. L. 1905 A, 548.
Wallace, A. R. 1876 A, 1, 139.
Weber, M. 1904 A, 514.
Weber and Abel 1928 A, 168.
Winge, H. 1917 A, 100.
1923 A, 130, 212.
Zittel and Schlosser 1911 A, 372.
1923 A, 450.

Tillotherium fodiens Marsh.

Hay, O. P. 1902 A, 716.
Abel, O. 1914 A, 53, fig. 26.
1922 C, 291.
Ameghino, F. 1904 A, 411, fig. 539.
1906 A, 347, fig. 180.
Beddard, F. E. 1902 A, 507, fig. 247.
Matthew, W. D. 1909 C, 97.
Schmidt, O. 1886 A, 286, fig. 50.
Trouessart, E. L. 1905 A, 548.
Weber, M. 1904 A, 512, fig. 385.
Weber and Abel 1928 A, 168, fig. 96.
Zittel and Schlosser 1911 A, 372, fig. 536.
1923 A, 450, fig. 573.
Middle Eocene (Bridger); Wyoming.

Tillotherium hyracoides Marsh.

Hay, O. P. 1902 A, 716.
Matthew, W. D. 1909 C, 97.
Middle Eocene (Bridger); Wyoming.

Tillotherium latidens Marsh.

Hay, O. P. 1902 A, 716.
Matthew, W. D. 1909 C, 97.
Middle Eocene (Bridger); Wyoming.

Tillotherium sp. indet.

Granger, W. 1918 A, 148 ("Tillotherium").
Middle Eocene (Huerfano); Colorado.
Hills, R. C. 1889 A, 221. Middle Eocene (Huerfano); Colorado.
Matthew, W. D. 1909 C, 97 (This genus?).
Middle Eocene (Bridger); Wyoming.

Superorder GLIRES Linnæus.

Unless otherwise stated the name Rodentia was used by the authors here cited.

Hay, O. P. 1902 A, 717 (Glires).
Abel, O. 1901 B, 313 ("nagethiere").
1908 F (234) ("rodentier").
1910 B (186).
1912 F, 294, 302, 365, 507, 687.
1913 B, 728.
1914 A, 117 ("nagetiere").
1919 A, 786.
1920 A, 430.
Addison and Appleton 1915 A, 43.
Adloff, P. 1901 C, 425 ("nager").
1902 A, 197 ("nager").
1903 A, 359 ("rodentien").
1904 A, 144 ("rodentien").
1907 A, 534 ("nagetiere").
1910 A, 257 ("nagetiere").
1910 B, 232 ("rodentien").
1913 A, 238 ("nagetier").
1913 C, 11 ("rodent").
1917 A, 287 ("nagetiere").
Alezais, H. 1902 A, 585 ("rongeurs").
Allen, J. A. 1904 B, 135 ("rodents").
Ameghino, F. 1889 A, 1024.
1903 A, 83, 154.
1906 A, 239, 407 ("rongeurs").
Anderson, R. J. 1912 D, 252.
Anonymous 1897 B, 367.
Anthony, R. 1912 A ("rongeurs").
Arldt, T. 1907 A, 237, 243.
1907 B, 450, 452 ("rodentier").
1907 D, 679.
1912 A, 686.
Bardeleben, K. 1885 A, 28 ("nagethiere").
1885 B, 85 ("nager").
1889 A, 107 ("nager").
1889 B, 259 ("rodents").
Bardeleben, K. 1904 A, 111 ("nager").
Bardenfleth, K. S. 1913 A, 70 ("rodents").
Beddard, F. E. 1902 A, 458.
Bergmann, C. 1841 A, 205 ("nager").
Bertelli, D. 1909 A, 171 ("roditori").
Berthold, A. A. 1825 A, 907, 983 ("nager").
Beyer, H. 1908 A, 78, 81, 87, 95 ("nager").
1909 A, 23 ("nagetiere").
Black, N. 1900 A, 16.
Boas, J. E. V. 1914 B, 577 ("nager").
Bonaparte, C. L. 1832 A, 288 (Glires).
1833 A, 1044 ("rongeurs").
Bonsdorff, E. J. 1871 A, 318 (Glires).
Boule and Thevenin 1920 A, 223 ("rongeurs").
Branca, W. 1907 A, 10 ("nager").
1915 A, 43.
Brandt, J. F. 1885 A (Glires).
Braus, H. 1906 A, 304 ("nager").
Broom, R. 1897 C, 279 ("rodents").
1905 E, 75 ("rodents").
1911 C, 319.
1915 A, 162.
1926 A, 257, 262.
Brubacher, H. 1892 A, 1 ("nagethiere").
Carter, J. T. 1922 A, 599 ("rodents").
Carus, J. V. 1875 A, 90.
Carus and Engelmann 1861 A, 1298 (Rodentia).
Case, E. C. 1899 B, 182.
Caush, D. E. 1904 A, 157 ("rodents").
Chandler, A. C. 1914 B, 134.
Chapman, H. C. 1904 A, 149.
Chardin, T. 1922 A, 62 ("rongeurs").
Clark and Sonntag 1926 A, 454, 461, 463.
Cleland, J. 1863 B, 301.
Cockerell, Miller and Prinz 1914 A, 347 ("rodents").
Cope, E. D. 1885 BB, 72.
1891 N, 67, 90.

Coues, E. 1883 A, 68.
Cuvier, F. 1812 A, 268 ("rongeurs").
1825 A, 141 ("rongeurs").
Cuvier, G. 1825 A, v, 1, 1-65, pls. i-iii ("rongeurs").
Dana, J. D. 1863 C, 334 ("rodents").
Dependorf, T. 1907 C, 109 ("rodentien").
Dollo, L. 1889 E, 196 ("rongeurs").
1889 G, 675 ("rongeurs").
Doran, A. H. G. 1878 A, 407.
Dublin, L. I. 1903 A, 735.
Duméril, A. M. C. 1806 A, 18 (Rosores).
Eggeling, H. 1904 A, 90 ("nager").
Eimer, G. H. T. 1901 A, 260 ("nager").
Elliot, D. G. 1901 A, 50.
Emery, C. 1890 A, 288 ("nagetiere").
Erdl, M. 1843 A, 485 ("nager").
Fischer, E. 1903 A, 697 ("nager").
Fischer, J. B. 1829 A, 287.
Flower, W. H. 1870 A, 244.
Frassetto, F. 1903 A, 185.
1915 A.
Freund, P. 1892 A, 525 ("nagethiere").
1893 A, 301 ("rodents").
Frey, H. 1911 A, 401.
Fuchs, C. H. 1906 A, 17 ("nager").
1914 A, 31 ("rodentien").
Gadow, H. 1913 A, 122 ("rodents").
Ganzer, H. 1908 A, 159, 161 ("nagetiere").
Gaudry, A. 1906 A, 12 ("rogeurs").
Gaupp, E. 1905 D, 1040 ("nager").
1906 B, 850.
1908 A, 184 ("nager").
1911 B, 101.
1911 D, 621 ("rodentier").
1913 A, 63.
Gegenbaur, C. 1864 A, 182 ("nagethiere").
1865 C, 563.
Gervais, P. 1852 A, 16 ("rongeurs").
1853 B, 40 ("rongeurs").
1859 A, 16 ("rongeurs").
Ghigi, A. 1900 B, 99 ("roditori").
Gidley, J. W. 1912 A, 286.
Giebel, C. G. 1855 A, 44.
1865 C, 427 ("nagethiere").
1883 A ("nager").
Gottlieb, H. 1914 A, 186.
Grant, M. 1904 B, 195 ("rodents").
Gray, J. E. 1821 A, 302 (Rosores).
1825 B, 337.
Gregory, W. K. 1910 A, 324, 325, 330, 331, 445, 460, 465.
1914 G, 380 ("rodents").
1916 A, 248 ("rodents").
1920 A, 172, 241.
1921 A, 69.
Haeckel, E. 1873 A, 544.
Hasse and Schwarck 1870 A, 109.
Hay, O. P. 1912 D, 750.
1914 A, 449.
Hayek, H. 1926 A, 177 ("nager").
Heilprin, A. 1887 A, 354.
Hilzheimer, M. 1913 A, 569 ("rodentier").
Höfer, H. 1911 A, 431.
Hoernes, R. 1886 A, 688.
Hogben, L. T. 1919 A, 72, 75.
Howes, G. B. 1893 C, 591.
Hoyer and Babik 1924 A, 456 ("nager").
Hrdlička, A. 1903 A, 381.
Hubrecht, A. A. W. 1908 A, 167.
Huene, F. 1912 F, 522 ("nager").
Huxley, T. H. 1863 E, 553.
1870 F, 527.
Jaekel, O. 1911 A, 221 (Rodentii).
Kampfen, P. N. 1905 A, 552.
Klein, E. E. 1868 A ("rodentier").
Köstlin, O. 1844 A ("nager").
Krumbach, T. 1904 A, 273 ("nagetiere").
Kükenthal, W. 1913 A, 679.
Lataste, F. 1887 A, 270 ("rongeurs").
Leche, W. 1887 A.
1900 A, 1020 (Glires).
Le Damany, P. 1903 G, 322 ("rongeurs").
Ledouble, A. F. 1906 A, 589 ("rongeurs")
Leunis and Ludwig 1883 A, 211.
Lilljeborg, W. 1866 A, 9.
Longman, H. A. 1924 A, 10.
Loomis, F. B. 1921 A, 190 ("rodents").
Lull, R. S. 1904 C, 2.
1906 B, 556.
1917 B, 295, 308, 322.
1918 C, 136 ("rodents").
Lydekker, R. 1903 D, 125 ("rodents").
Macartney, J. 1802, Lect. Comp. Anat., tab. i.
Major, C. J. F. 1899 B, 62.
Martins, C. 1857 A, 82 ("rongeurs").
Matthew, W. D. 1905 D, 50.
1907 A, 215.
1909 C, 135.
1909 D, 300, 308.
1910 B, 44.
1910 G, 158.
1912 A, 156 ("rodents").
1912 B, 185.
1912 C, 185.
1914 H, 350, 380 ("rodents").
1915 A, 187, 228.
1915 K, 466.
1916 C, 522 ("rodents").
1917 A, 574 ("rodents").
1918 H, 614.
1918 I, 659.
1921 D, 214.
1924 C, 81 ("rodents").
1928 B, 948, 961, 964, 976.
Matthew and Granger 1923 B, 4 ("rodents").
Mead, C. S. 1906 A, 480.
Meckel, J. F. 1825 A ("nager").
Meunier, S. 1903 A, 776 ("rongeurs").
Miller, G. S. 1912 A, 481.
1912 B, 126.
1924 C, 173.
Miller and Gidley 1918 A, 432.
Mitchell, P. C. 1905 A.
Moodie, R. L. 1922 C, 347.
Mysberg, W. A. 1917 A, 654.
Oehngren, S. 1919 A, 177.
O'Harra, C. C. 1910 A, 86, 150.
1920 A, 88 ("rodents").
Oken, L. 1823 A, 322 ("nagethiere").
Osborn, H. F. 1899 J, 415.
1902 E, 356, fig. 1.
1905 I, 99, 101.
1905 N, 241 ("rodents").
1907 G, 13, 144.
1907 H, 613 (Glires).

Osborn, H. F. 1909 D, 135.
1910 B, 630.
1915 D, 284 ("rodents").
1917 B, 320 ("rodents").
1925 B, 18.
1925 F, 962 ("rodents").
Owen, R. 1857 E.
1858 A, 22.
1868 A, 906.
Palacký, J. 1902 B, 142 ("nager").
1904 A.
Pander and Alton 1823 B, 5 ("nagethiere").
1824 A, 1 ("nagethiere").
Parker and Haswell 1897 A, 456, 515.
Perna, G. 1906 A, 122.
Peterson, O. A. 1912 B, 164.
Pictet, F. J. 1853 A, 234 ("rongeurs").
Pocock, R. I. 1916 G, 548.
Rehs, J. 1914 A, 2, 68.
Retterer, E. 1884 A, 483, 507 ("rongeurs").
Retterer and Vallois 1912 B, 410 ("rongeurs").
Reynolds, S. H. 1897 A, 553.
Schapiro, B. 1913 A, 220.
Scharff, R. F. 1911 A, 223 ("rodents").
Schlosser, M. 1898 B, 360.
1900 B, 301.
1900 G, 306 ("nagethiere").
1902 I, 705 ("nager").
1903 I, 178.
1905 A, 324 ("nager").
1910 A, 501 ("nager").
1911 A, 150.
Schmidt, O. 1886 A, 291.
Sclater, P. L. 1875 A, 209.
Scott, W. B. 1896 C, 308 ("rodents").
1905 B, 384 (Glires).
1913 A, 280, 689.
1916 A, 117 ("rodents").
1917 A, 181.
1928 B, 257 ("rodents").
Seeley, H. G. 1876 C, 176 ("rodents").
1886 A, 413, 514.
Serres, M. 1852 A, 145 ("rongeurs").
1852 B, 197 ("rongeurs").
1860 A, 301 ("rongeurs").
Sinclair, W. J. 1905 D, 384.
Steinmann, G. 1907 A, 476.
1909 A, 81 ("nagetiere").
Stromer, E. 1912 A, 168, 243.
1924 A, 255 ("nagetiere").
Taschenberg, O. 1899 A, 4436.
Terra, P. 1911 A, 295.
Thacker, A. G. 1922 A, 601, 603.
Thomas, O. 1920 A, 289 ("rodents").
Tims, H. W. M. 1901 A, 261.
1902 A, 321.
1903 A, 135 ("rodents").
1905 B, 1785.
1911 A, 294.
Todd, T. W. 1922 A, 268.
Toldt, C. 1905 A, 326 ("nagetiere").
Tomes, C. S. 1906 A, 46 ("rodents").
Tornier, G. 1891 A, 119, 171 ("nager").
Trouessart, E. L. 1904 A, 289.
Turner, H. N. 1847 A, 110.
Vallois, H. V. 1921 B, 975 ("rongeurs").
Van den Broeck, A. J. P. 1912 A, 782.
Vicy-d'Azyr, F. 1792 A, xcvii, 280, 626 (Rodentes).
Wagner, A. 1841 A, 111 ("nager").
Wagner, R. 1843 A, 12.
Wallace, A. R. 1876 A, I, 501; II, 229.
1894 A, 436.
Wallisch, W. 1906 A, 308 ("nagetiere").
Waterhouse, G. R. 1839 C, 172.
1839 D.
1842 A, 197, 344.
Weber, M. 1904 A, 470, 585.
Weber and Abel 1928 A, 238, 261, 895.
Weber and Burlet 1927 A.
Winge, H. 1924 A, 1.
Woodward, A. S. 1898 D, 330.
1923 C, 67.
Woodward, H. 1904 B, 162.
Worthmann, F. 1922 A, 307 ("nager").
Wortman, J. L. 1903 A, 430.
1920 A, 16.
1921 A, 186.
Zaaijer, T. 1894 A, 339.
Zittel, K. A. 1897 A, 133 ("nager").
Zittel and Schlosser 1911 A, 422.
1923 A, 506.

Order DUPLICIDENTATA Illiger.

Illiger, C. 1811 A, 91.
Hay, O. P. 1902 A, 734 (Duplicidentata); 735 (Lagomorpha).
Abel, O. 1912 F, 506.
1919 A, 787.
Adloff, P. 1910 A, 259 ("lagomorphen").
Ameghino, F. 1889 A, 107, 108 (Lagomorpha).
1906 A, 368 ("duplicidentés").
1912 B, 172 (Lagomorpha).
Anonymous 1897 B, 367 (Lagomorpha).
Arldt, T. 1907 D, 661 (Lagomorpha).
Beddard, F. E. 1902 A, 502.
Bonaparte, C. L. 1832 A, 290.
Branca, W. 1915 A, 43 (Duplicidentata, Lagomorpha).
Brandt, J. F. 1855 A.
Carus, V. 1875 A, 112 (Leporida).
Case, E. C. 1899 B, 183.
Chardin, P. T. 1928 A, 58 ("duplicidentés").
Cope, E. D. 1891 N, 70, 72, 90 ("lagomorphs").
Coues, E. 1883 A, 71, 73 (Duplicidentata, Lagomorpha).
Depéret, C. 1906 A, 620 ("lagomorphes").
Dice, L. R. 1917 A, 179 ("lagomorphs").
Freund, P. 1892 A, 527 (Lagomorpha).
Gidley, J. W. 1912 A, 284, 285 (Duplicidentata, Lagomorpha).
Gray, J. E. 1867 D, 220.
Gregory, W. K. 1910 A, 70, 325.
1914 G, 380 (Lagomorpha).
1920 A, 174, 241 (Lagomorpha).
Hay, O. P. 1914 A, 468 (Duplicidentata, Lagomorpha).
Hilzheimer, M. 1913 A, 569.
Hinton, M. A. C. 1923 A, 167 (Lagomorpha).
Höfer, H. 1911 A, 437 (Duplicidentata); 475 ("lagomorphen").
Hogben, L. T. 1919 A, 73

Jaekel, O. 1911 A, 221.
Kükenthal, W. 1913 A, 680.
Leche, W. 1887 A.
Ledouble, A. F. 1901 A, 240 ("lagomorphes").
Lilljeborg, W. 1866 A, 57 (Lagomorpha).
Lyon, M. W. 1904 A, 337.
Matthew, W. D. 1907 A, 215 (Lagomorpha).
1910 B, 72 (Lagomorpha).
1912 B, 186.
1914 H, 351 (Lagomorpha).
1915 A, 233 (Lagomorpha).
1915 K, 466 (Lagomorpha).
Miller, G. S. 1912 A, 483.
1912 B, 343 (Lagomorpha).
1924 C, 446 (Lagomorpha).
Osborn, H. F. 1907 G, 148.
1910 B, 534.
Peterson, O. A. 1926 A, 281 (Lagomorpha).
Reynolds, S. H. 1897 A, 366, 435, 478.
Scharff, R. F. 1911 A, 226 (Lagomorpha).
Schlosser, M. 1903 F, 144 (Lagomorpha).
1924 A, 53 (Lagomorpha).
Scott, W. B. 1913 A, 159.
Steinmann, G. 1907 A, 477 (Lagomorpha).
Stromer, E. 1912 A, 169.
Trouessart, E. L. 1904 A, 530 (Lagomorpha).
Van Bemmelen, J. F. 1914 A, 524.
Vicq-d'Azyr, F. 1892 A, 546 ("duplicidentes").
Wagner, A. 1841 A, 128.
Waterhouse, G. R. 1839 D, 93 (Leporina).
Weber, M. 1904 A, 489 (Lagomorpha); 491, 493 (Duplicidentata).
Weber and Abel 1928 A, 246, 254, 257, 265, 267.
Weber and Burlet 1927 A, xiv.
Winge, H. 1888 A, 156.
Wortman, J. L. 1920 A, 16 (Lagomorpha).
Zittel and Schlosser 1911 A, 433.
1923 A, 517.

Superfamily LEPOROIDÆ, new name.

Winge, H. 1924 A, 7, 13 (Leporidæ).

OCHOTONIDÆ Thomas.

Thomas, O. 1896 A (1897), 1026.
Hay, O. P. 1902 A, 735.
Ameghino, F. 1906 A, 368 (Lagomyidæ).
Arldt, T. 1907 D, 661 (Lagomyidæ).
1912 A, 744.
Beddard, F. E. 1902 A, 505 (Lagomyidæ).
Chandler, A. C. 1914 B, 134.
Cockerell and Miller 1914 A, 365.
Coues, E. 1883 A, 73 (Lagomyidæ).
Dice, L. R. 1917 A, 179.
Elliot, D. G. 1901 A, 266.
Flower, W. H. 1883 D, 421 (Lagomyidæ).
Gray, J. E. 1867 D, 219, 220 (Lagomyidæ).
Hay, O. P. 1923 A, 312.
Höfer, H. 1911 A, 441.
Lilljeborg, W. 1866 A, 58 (Lagomyidæ).
Lobley, J. L. 1908 A, 200 (Lagomyidæ).
Lyon, M. W. 1904 A, *passim*.
1904 B, 701.
Matthew, W. D. 1905 D, 54 (Lagomyidæ).
1907 A, 215.
Matthew, W. D. 1910 B, 72 (Lagomyidæ).
1914 H, 351.
1915 A, 228 ("picas").
Miller, G. S. 1912 B, 343.
1924 C, 446.
Osborn, H. F. 1910 B, 191, 534 (Lagomyidæ).
Palmer, T. S. 1904 A, 758, 860.
Roger, O. 1896 A, 141 (Lagomyidæ).
Schlosser, M. 1903 F, 144 (Lagomyidæ).
1924 A, 48, 52 (Lagomyidæ).
Schwarz, E. 1924 A, 421.
Stromer, E. 1926 A, 127.
Trouessart, E. L. 1904 A, 530.
Wallace, A. R. 1876 A, II, 242 (Lagomyidæ).
Weber, M. 1904 A, 494 (Lagomyidæ); 491, 494 (Ochotonidæ).
Weber and Abel 1928 A, 266, 268, 293.
Winge, H. 1888 A, 156 (Lagomyidæ).
Woodward, A. S. 1898 B, 377 (Lagomyidæ).
Zittel and Schlosser 1911 A, 433.
1923 A, 517, 518.

BRACHYLAGUS Miller. Type *Lepus idahoensis* Merriam.

Miller, G. S. 1900, Proc. Biol. Soc. Wash., XIII, 157.
Hay, O. P. 1921 A, 630.
Lyon, M. W. 1904 A, 337.
Palmer, T. S. 1904 A, 142, 850.

Brachylagus sp. indet.

Gidley, J. W. 1922 B, 120, 127, pl. xxxv, fig. 11 (This genus?). Pleistocene (San Pedro Valley); Arizona.
Hay, O. P. 1927 D, 136. Pliocene? (San Pedro Valley); Arizona.

PRAOTHERIUM Cope. Type *P. palatinum* Cope.

Cope, E. D. 1871 I, 93.
Hay, O. P. 1902 A, 735 (Ochotona, in part).

Praotherium palatinum Cope.

Cope, E. D. 1871 I, 94, 102, fig. 20.
Hay, O. P. 1902 A, 735 (Ochotona).
Baker, F. C. 1920 A, 208, 214, 397 (Ochotona).
Dice, L. R. 1923 B, 260.
Hay, O. P. 1923 A, 312 (Ochotona).
Rhoads, S. N. 1903 A, 246 (Ochotona). Pleistocene (Early); Pennsylvania.

OCHOTONA Link. Included *O. pusilla, alpina,* and *ochotona.*

Hay, O. P. 1902 A, 735.
Adams, C. C. 1905 A, 60.
Allen, J. A. 1892 A (Lagomys).
1903 A.
Arldt, T. 1907 D, 258 (Lagomys).
Beddard, F. E. 1902 A, 505 (Lagomys).
Boas, J. E. V. 1910 A, 445 (Lagomys).
Bonhote, J. L. 1905 A, 205.

Bronn, H. G. 1849 A, 714 (Lagomys).
Chardin, P. T. 1928 A, 56 (Lagomys).
Cockerell and Miller 1914 A, 365, figs. 68-73.
Cope, E. D. 1880 U, 158 (Lagomys).
1895 G, 596 (Lagomys).
Coues, E. 1883 A, 80 (Lagomys).
Cuvier, F. 1825 A, 154, pl. li ("lagomys").
Cuvier, G. 1825 A, IV, 200; v, 1, 26 (Lagomys).
Depéret, C. 1892 A, 55 (Lagomys).
Elliot, D. S. 1901 A, 266.
Fischer, J. B. 1829 A, 377 (Lagomys).
Frech, F. 1906 A, 484.
Frech and Geinitz 1903 A, 36 (Lagomys).
Gervais, P. 1852 A, 31 (Lagomys).
1859 A, 49 (Lagomys).
Giebel, C. G. 1883 A, 152 (Lagomys).
Gray, J. E. 1867 D, 220 (Lagomys).
Haug, E. 1911 A, 1886 (Lagomys).
Hay, O. P. 1923 A, 316.
Heilprin, A. 1887 A, 28, 362, 364 (Lagomys).
Höfer, H. 1911 A, 439, fig. 1.
Howell, A. H. 1924 A, 7.
Hue, E. 1907 A, pl. xliv (Lagomys).
Kampfen, P. N. 1905 A, 555.
Leche, W. 1921 A, 70 (Lagomys).
Lilljeborg, W. 1866 A, 58 (Lagomys).
Lobley, J. L. 1908 A, 196 (Lagomys).
Lönnberg, E. 1910 A, 120.
Lyon, M. W. 1904 A, *passim*.
1904 B, 701.
Matschie, P. 1901 A, 316.
Matthew, W. D. 1910 B, 72 (Lagomys).
Miller, G. S. 1912 B, 343.
1924 C, 446.
Nehring, A. 1880 A (Lagomys).
1901 C, 465.
Osborn, H. F. 1910 B, 316, 469, 534 (Lagomys).
Osborn, H. F. 1916 B, 540 (Lagomys).
Owen, R. 1845 B, 401 (Lagomys).
1868 A, 887 (Lagomys).
Palmer, T. S. 1904 A, 468, 860.
Pander and Alton 1824 A, 2 (Lagomys).
Pictet, F. J. 1853 A, 257 (Lagomys).
Schlosser, M. 1903 F, 142 (Lagomys).
1924 A, 49, 52.
Scott, W. B. 1913 A, 153.
1916 A, 117 ("pikas").
Taylor, W. P. 1916 A, 471.
Tornier, G. 1891 A, 119 (Lagomys).
Trouessart, E. L. 1904 A, 532.
Vicq-d'Azyr, F. 1792 A, 578, 590 ("pika").
Waterhouse, G. R. 1839 C, 172 (Lagomys).
1842 A, 197 (Lagomys).
Weber, M. 1904 A, 494, 508 (Ochotona, Lagomys).
Weber and Abel 1928 A, 270, 293.
Zittel and Schlosser 1911 A, 433.
1923 A, 517.

Ochotona princeps (Richardson).

Richardson, J. 1828, Zool. Jour., III, 520 [Lepus (Lagomys)].
Elliot, D. G. 1901 A, 267, fig. 61.
Gidley, J. W. 1913 B, 96 (Ochotora. This species?).
Hay, O. P. 1923 A, 350.
Howell, A. H. 1924 A, 10, pls. iii-vi.
Miller, G. S. 1912 B, 344.
1924 C, 447.
Recent, Alberta: Pleistocene; Maryland?

Ochotona sp. indet.

Gidley, J. W. 1920 B, 282 ("picas"). Pleistocene (Middle); Maryland.

LEPORIDÆ Gray.

Gray, J. E. 1821 A, 304.
Hay, O. P. 1902 A, 735.
Abel, O. 1926 B, 359 ("leporiden").
Anthony, R. 1913 A, 257.
Arldt, T. 1907 D, 662.
1912 A, 698, 744.
Beddard, F. E. 1902 A, 502.
Boas, J. E. V. 1909 A, 536 ("hasen").
Brandt and Woldrich 1887 A, 89 (Leporinæ).
Burne, R. H. 1891 A, 160 ("rabbits").
Chandler, A. C. 1914 B, 134.
Cockerell and Miller 1914 A, 365.
Cope, E. D. 1880 U, 156.
Coues, E. 1883 A, 73.
Cuvier, F. 1825 A, 152 ("lièvres").
Cuvier, G. 1825 A, v, 1, 24, 43, pl. i ("lièvres").
Depéret, C. 1907 B ("lièvres").
1908 A, 307.
1912 A, 708 ("léporidés").
Doran, A. H. G. 1878 A, 417.
Elliot, D. G. 1901 A, 269.
Emery, C. 1890 A, 291 ("leporiden").
Fretts, G. P. 1909 A, 115 ("hasen").
Freund, P. 1893 A, 306.
Ganzer, H. 1908 A, 161 ("leporiden").
Gervais, P. 1852 A, 20 (Lepusidæ).
1859 A, 46 ("leporides").
Giebel, C. G. 1878 C, 853 ("hasen").
1883 A ("leporinen").
Gray, J. E. 1825 B, 341.
1867 D, 219, 220.
Hay, O. P. 1914 A, 468.
1923 A, 312.
Heilprin, A. 1887 A, 420 ("hares").
Hoernes, R. 1886 A, 688.
Höfer, H. 1911 A, 437.
Honigmann, H. L. 1913 A, 293 ("leporiden").
Krumbach, T. 1904 A, 274 ("leporiden").
Ledouble, A. F. 1901 A, 240 ("léporidés").
Leunis and Ludwig 1883 A, 230.
Lilljeborg, W. 1866 A, 59.
Lobley, J. L. 1908 A, 200, 205.
Lull, R. S. 1904 C, 2, 4.
Lyon, M. W. 1904 A, *passim*.
1904 B, 701.
Matthew, W. D. 1901 B, 370.
1905 D, 53.
1907 A, 215.
1909 C, 104, 105, 108, 110, 113, 116, 119.
1910 B, 72.
1914 H, 351.
1915 A, 228 ("rabbits"); 233 (Leporidæ).
1915 K, 466, fig. 17 ("rabbits").
1928 B, 977 ("rabbits").
Meckel, J. F. 1825 A ("hasen").
Miller, G. S. 1912 A, 484.
1912 B, 345.
1920 B, 190.

Miller, G. S. 1924 C, 449.
Osborn, H. F. 1909 D, 61, 66, 68.
1910 B, 620.
Owen, R. 1868 A, 888.
Palmer, T. S. 1904 A, 750, 850.
Pander and Alton 1823 B, 6 ("hasen").
Pictet, F. J. 1853 A, 255 ("léporins").
Reynolds, S. H. 1897 A, 542 ("hares," "rabbits").
Scharff, R. F. 1911 A, 224.
Schlosser, M. 1903 F, 144.
1903 I, 211, 219 ("leporiden").
1911 A, 166 ("leporiden").
1924 A, 48.
Scott, W. B. 1916 A, 117 ("rabbits").
1917 A, 121, 134, 144 ("rabbits").
Seeley, H. G. 1886 A, 514 ("rabbits").
Seton, E. T. 1909 A, 621.
Stromer, E. 1906 A, 216.
Taschenberg, O. 1899 A, 4600.
Terra, P. 1911 A, 298.
Trouessart, E. L. 1904 A, 533.
Turner, H. N. 1847 A, 110 ("hares").
Virchow, H. 1916 C, 255 ("kaninchen").
Wallace, A. R. 1876 A, II, 242.
1894 A, 436.
Waterhouse, G. R. 1839 C, 174.
1842 A, 197, 199.
Weber, M. 1904 A, 491, 494.
Weber and Abel 1928 A, 267, 268, 270, 293.
Winge, H. 1924 A, 7, 13 (Leporini).
Woodward, A. S. 1898 B, 377.
Zaaijer, T. 1894 A, 340 (Leporinæ).
Zittel and Schlosser 1911 A, 433.
1923 A, 517, 518, 670.

Panolax Cope. Type *P. sanctæfidei* Cope.

Cope, E. D. 1874 U, 151.
Hay, O. P. 1902 A, 736.
Dice, L. R. 1923 A, 191.
Haug, E. 1911 A, 1706.
Matthew, W. D. 1909 C, 119.

Panolax sanctæfidei Cope.

Cope, E. D. 1874 U, 151.
Hay, O. P. 1902 A, 736.
Dice, L. R. 1923 A, 192.
Matthew, W. D. 1909 C, 116.
Merrill, G. P. 1907 A, 53.
Upper Miocene (Sante Fe); New Mexico.

Lepus Linnæus. Type *L. timidus* Linnæus.

Hay, O. P. 1902 A, 736.
Adloff, P. 1919 A, 257.
1913 A, 238 ("kaninchen").
Aichel, O. 1919 A, 193.
Alezais, H. 1902 A, 585 ("lièvre").
1902 B, 87 ("lièvre").
Allen, J. A. 1892 A.
1903 A.
Altmann, F. 1925 A, 108.
Ameghino, F. 1909 A, 78, fig. 59.
Arldt, T. 1907 B, 451.
1907 D, 662.
Bardeleben, K. 1906 A, 141.
Beddard, F. E. 1902 A, 502.
Beer, G. R. 1926 A, 350, fig. 124.
Bensley, B. A. 1902 A, 4.
Bertelli, D. 1909 A, 171.
Berthold, A. A. 1825 A, 913, 985.
Beyer, H. 1908 A, 95 ("hasen").
Boas, J. E. V. 1910 A, 439 ("hasen").
Bradley, O. C. 1906 B, 529 ("rabbit").
Brandt and Woldrich 1887 A, 89.
Brauer, A. 1914 A, 282.
Braus, H. 1906 A, 268.
Bronn, H. G. 1848 A, 639.
1849 A, 714.
Broom, R. 1926 A, 262 ("rabbit").
Brubacher, H. 1892 A, 3.
Burne, R. H. 1891 A, 161, figs.
Cleland, J. 1863 B, 301 ("hare").
Cope, E. D. 1880 U, 158.
Coues, E. 1883 A, 75.
Coyle, R. F. 1909 A, 588 ("rabbit").
Cuvier, F. 1812 A, 294, pl. xv, fig. 20 ("lièvres").
1825 A, 152, pl. 1 ("lièvres").
Cuvier, G. 1805 A.
Depéret, C. 1907 B.
Depéret, C. 1909 A, 141.
1912 A, 708.
Dieterich, K. 1841 A, 81.
Doran, A. H. G. 1878 A, 417, pl. lx.
Eggeling, H. 1904 A, 96.
Eimer, G. H. T. 1901 A, 192.
Elliot, D. G. 1901 A, 269.
Erdl, M. 1843 A, 529, pl. i.
Fawcett, E. 1911 A, 400, fig. 23 ("rabbit").
1917 A, 327.
Fischer, J. B. 1829 A, 370.
Foote, J. S. 1916 A, 142, pl. xix.
1921 A, 10, pl. iii, fig. 23.
Fretts, G. P. 1909 A, 115.
Freund, P. 1892 A, 532, pls. xxii, xxiii.
1893 A, 307.
Frey, H. 1911 A, 401.
Fuchs, H. 1905 B, 16, figs. ("kaninchen").
1906 A, 1 ("kaninchen").
1909 D, 22, 42, 72, 158, 189, 228, figs. 9, 14, 16, 29, 39-41, 54 ("kaninchen").
1912 D, 146.
Gaupp, E. 1905 D, 1041.
1908 A, 184.
1908 C, 683.
1910 C, 336.
1911 B, 101.
1911 E, 336 ("kaninchen").
1912 B, 219.
1913 A, 14, 103, figs. 6, 8, 12, 64, 65.
Gegenbaur, C. 1864 C, 183 ("kaninchen").
Geikie, J. 1914 A, 322 ("hare").
Geinitz, E. 1903 A.
1904 A.
Gervais, P. 1852 A, 29.
1859 A, 47.
Giebel, C. G. 1883 A, pls. xxvi, xlv, xlvi, lviii, lxv, lxxi, lxxvii, lxxxv, xcii.

Gottlieb, H. 1914 A, 203.
Gray, J. E. 1867 D, 222.
Gregory, W. K. 1915 D, 370, fig. 12.
Haller, G. 1922 A ("kaninchen").
Hasse and Schwarck 1870 A, 109.
Haug, E. 1911 A, 1705.
Heilprin, A. 1887 A, 362, 364, 365.
Heinick, P. 1908 A, 390.
Himstedt, R. 1870 A, pl. xi.
Hinton, M. A. C. 1923 A, 168.
Höfer, H. 1911 A, 437, pl. xix, figs. 1-3.
Hoernes, R. 1886 A, 688.
Hommes, J. H. 1924 A, 24, figs. 39, 40, 42, 48.
Honigmann, H. L. 1913 A, 293.
Howes, G. B. 1891 A, 156, pl. xiv, fig. 3.
1893 C, 589, fig. 1.
1895 A, 521 ("rabbit").
1895 B, 736.
Hoyer and Babik 1924 A, 456, fig. 9 ("kaninchen").
Hue, E. 1907 A, pls. xlviii, lxxxiv, xcviii, cxii, cxlix.
Huxley, T. H. 1879 A, 396, pl. viii.
Joleaud, L. 1919 A, 711-712, fig. 8.
1919 D, 412.
Kampfen, P. N. 1905 A, 553, figs. 59, 60.
Kingsbury, B. F. 1926 A, 89 ("rabbit").
Kjellberg, K. 1904 A, 163 ("kaninchen").
Klatt, B. 1912 A, 155 ("kaninchen").
Klein, E. E. 1868 A, 81.
Köstlin, O. 1844 A.
Kraglievich, L. 1926 C, 61, 67.
Krumbach, T. 1904 A, 274, figs. 1, 2.
Lapicque and Girard 1907 A, 1015 ("lapins").
Leche, W. 1887 A, pl. xcvi, text-figs. 2-4.
Le Damany, P. 1903 C, 278 ("lapin").
1903 D, 352 ("lapin").
1903 F, 402, figs. 1, 3, 4 ("lapin").
1903 G, 145, 316, figs. 11, 22 ("lapin").
Ledouble, A. F. 1901 A, 241.
1903 A, 642 ("lapins").
Lepkowski, W. 1897 A, 584, figs. 12-18 ("kaninchen").
Leunis and Ludwig 1883 A, 231.
Lewis, F. T. 1906 A, 507 ("rabbit").
Lubosch, W. 1911 A, 318 ("kaninchin").
Lubsen, J. 1905 A, 462, figs. 23-25.
Lull, R. S. 1922 C, 603.
Lyon, M. W. 1904 A.
Mackenzie, W. 1911 A, 363.
Matschie, P. 1901 A, 308.
Matthes, E. 1921 C.
Matthew, W. D. 1907 A, 175, 177, 178.
1909 C, 110.
1910 B, 72.
1915 K, 403.
1924 C, 87.
Mead, C. S. 1906 A, 480.
1909 A, 197.
Meckel, J. F. 1825 A.
Merriam, C. H. 1892 A, 62.
Merriam, J. C. 1911 B, 215.
Meunier, S. 1903 A, 776 ("lapins").
Miller, G. S. 1912 A, 495.
1912 B, 345.
1924 C, 449.
Moodie, R. L. 1922 C, 347.
Mysberg, W. A. 1917 A, 654.
Nehring, A. 1880 A.
Nelson, E. W. 1909 A.
Noordenbos, W. 1905 B, 374 ("kaninchen").
Nunn, E. 1882 A, 158, pl. ii, fig. 1 ("rabbit").
O'Harra, C. C. 1910 A, 88, 131.
Osborn, H. F. 1909 D, 128.
1910 B, 620.
1912 G, 246, 249.
1916 B, 541.
Owen, R. 1845 B, 400, pl. civ; pl. cix, fig. 1.
1868 A, 889, fig. 300.
Palmer, T. S. 1904 A, 373, 850.
Pander and Alton 1823 B, 6, pl. iii ("hasen").
1824 A, 256.
Paramore, R. H. 1910 A, 1460, fig. 13 ("rabbit").
Parker, W. K. 1869 A, 505.
Parker and Haswell 1897 A, 418, figs. 1017-1036.
Paulli, S. 1900 B, 513, figs. 26-28.
Perna, G. 1906 A, 138, pl. vi, fig. 24.
Pictet, F. J. 1853 A, 256.
Pouchet and Chabry 1884 A, 166 ("lapin").
Reiniger, A. 1900 A, 5.
Retterer, E. 1884 A, 483 ("lapin").
Retterer and Vallois 1912 B, 410 ("lapin").
Retzius, A. 1837 A, 489, pl. xxii, fig. 2.
Römer, F. 1907 A, 74.
Schapiro, B. 1913 A, 218.
Scharff, R. F. 1895 A, 446, 467.
1911 A, 226.
Schlosser, M. 1900 G, 306.
1902 I, 738.
1902 J, 134, 231.
1903 F, 142.
1903 I, 211.
Schumann, A. 1904 A, 283.
Scott, W. B. 1913 A, 164.
Seeley, H. 1872 A, 276 ("rabbits").
1876 C, 156 ("rabbits").
Seton, E. T. 1909 A, 621.
Shore, T. W. 1887 A, 364.
Simpson, G. G. 1926 D, 248.
Spurrell, H. G. T. 1906 A, 114 ("hare").
Stach, J. 1905 A, 283, figs. 1-6 ("kaninchen").
Taschenberg, O. 1899 A, 4600.
Terra, P. 1911 A, 298, fig. 120.
Tims, H. W. M. 1902 A, 337.
1903 A, 143.
Toldt, C. 1905 A, 334, figs.
Tornier, G. 1891 A, 180 ("kaninchen").
Tourneux, F., and J. P. 1912 A, 85, figs. 19-23 ("lapin").
Trouessart, E. L. 1904 A, 540.
Troxell, E. L. 1921 C, 342, fig. 3.
Van Bemmelen, J. F. 1914 A, 524.
Van den Broeck, A. J. P. 1912 A, 783.
Vicq-d'Azyr, F. 1792 A, 546, 563, 595.
Voit, M. 1909 A, pls. xxxv-l.
Wagner, A. 1841 A, 128.
Wallace, A. R. 1876 A, I, 144, 145.
Waterhouse, G. R. 1839 C, 172.
1839 D, 91.
1842 A, 197.
Weber, M. 1904 A, 494.
Weber and Burlet 1927 A, figs. 58, 190.
Winge, H. 1888 A, 111, 139, 156.
Woodward, A. S. 1908 B, 377.
Zittel and Schlosser 1911 A, 433.

Zittel and Schlosser 1923 A, 517, 672.
Zondek, M. 1895 A, 500 ("kaninchen").

Lepus americanus (Erxleben).

Erxleben, J. C. P. 1777, Syst. Regni. Anim., I, 330.
Brown, B. 1908 A, 198, pl. xxi.
Elliot, D. G. 1901 A, 273.
Frech, F. 1906 A, 484.
Gidley, J. W. 1913 B, 96 (This species?).
Hay, O. P. 1914 A, 32.
1920 B, 93.
1923 A, 350, 395.
1924 D, 252.
Miller, G. S. 1912 B, 347.
1924 C, 452.
Nelson, E. W. 1909 A, 87, pl. vi, figs. 1-4; text-fig. 8.
Peterson, O. A. 1926 A, 281.
Seton, E. T. 1909 A, 621, 653, pls. xlii-xliv; text-figs. 175-176, map 37.
Recent; northern half of North America: Pleistocene; Pennsylvania, Maryland, Tennessee.

Lepus benjamini Hay.

Hay, O. P. 1921 A, 628, pl. cxxi, figs. 1-5*b*.
1923 A, 14.
1927 D, 129.
Pleistocene (Nebraskan?); Arizona.

Lepus californicus Gray.

Gray, J. E. 1837, Charlesworth's Mag. Nat. Hist., I, 586 (L. californica).
Elliot, D. G. 1901 A, 291.
Kellogg, L. 1912 A, 163.
Lyon, M. W. 1904 A, *passim*, with figs.
Miller, G. S. 1912 B, 353.
1924 C, 458.
Miller, L. H. 1912 A, 70.
Nelson, E. W. 1909 A, 129, pl. vii, fig. 1; pl. viii, fig. 1.
Sinclair, W. J. 1903 A, 711.
1904 A, 17.
Recent; Oregon and California, New Mexico: Pleistocene (Potter Creek Cave); California.

Lepus californicus orthognathus Dice.

Dice, L. R. 1925 A, 126, fig. 3.
Hay, O. P. 1927 D, 184.
Pleistocene (La Brea); California.

Lepus giganteus Brown.

Brown, B. 1908 A, 199, pl. xxi.
Hay, O. P. 1914 A, 32.
1924 D, 252.
Pleistocene (Middle); Arkansas.

Lepus macrocephalus Matthew.

Matthew, W. D. 1907 A, 172, 214.
Abel, O. 1926 B, 359.
Matthew, W. D. 1909 C, 113.
O'Harra, C. C. 1920 A, 156.
Schlosser, M. 1924 A, 48.
Lower Miocene (Harrison); South Dakota.

Lepus primigenius Matthew.

Matthew, W. D. 1907 A, 172, 216.
1909 C, 113.
O'Harra, C. C. 1920 A, 156.
Lower Miocene (Harrison); South Dakota.

Lepus townsendii Bachman.

Bachman, J. 1839, Jour. Acad. Nat. Sci. Phila., VIII, pt. 1, 90, pl. ii.
Elliott, D. G. 1901 A, 277 (L. campester).
Hay, O. P. 1914 A, 473 (L. campester).
1927 D, 243 (L. campestris).
Lyon, M. W. 1904 A, *passim*, with figs. (L. campester).
McCornack, E. C. 1920 A, 23 (L. campester).
Matthew, W. D. 1902 F, 320 (L. campester. This species?).
Miller, G. S. 1912 B, 346 (L. campester).
1924 C, 451.
Nelson, E. W. 1909 A, 74, pl. iv, fig. 3; pl. v, fig. 3 (L. campester).
Osborn, H. F. 1910 B, 460 (L. campester).
Seton, E. T. 1909 A, 654, pl. xlvi; text-figs. 177, 178, map 38 (L. campester).
Stock, C. 1925 A, 195 (L. campester. This species?).
Recent; western Canada and United States: Pleistocene; Oregon.

Lepus washingtonii klamathensis Merriam, C. H.

Merriam, C. H. 1899, N. A. Fauna, No. 16, 100 (L. klamathensis).
Elliot, D. G. 1901 A, 276 (L. klamathensis).
Hay, O. P. 1927 D, 214.
Kellogg, L. 1912 A, 164 (L. "a." klamathensis).
Miller, G. S. 1912 B, 350.
1924 C, 454.
Miller, L. H. 1912 A, 70 (L. klamathensis).
Nelson, E. W. 1909 A, 107.
Sinclair, W. J. 1903 A, 711 (L. klamathensis).
Stock, C. 1925 A, 113.
Recent; Oregon, California: Pleistocene (Potter Creek Cave); California.

Lepus sp. indet.

Barbour and Cook 1917 B, 180. Pliocene (Valentine); Nebraska.
Cook, H. J. 1912 D, 40. Miocene (Lower Harrison); Nebraska.
Frick, C. 1921 A, 293. Pleistocene (Bautista); California.
Gidley, J. W. 1918 C, 180 (This genus?). Late Tertiary (Flaxville); Montana.
1920 B, 282 ("rabbits"). Pleistocene (Middle); Maryland.
1922 B, 120, 127, pl. xxxv, figs. 11-13, 15. Pleistocene (San Pedro Valley); Arizona.
1927 A, 274. Pleistocene; Florida.
Hay, O. P. 1923 A, 321, 350. Pleistocene: Pennsylvania, Maryland.
1927 D, 274. Pleistocene; Arizona, California, Florida. Washington.
1928 C, 425.
Lawson and Palache 1902 A, 390. Pliocene (Siesta); California.

Matthew, W. D. 1907 A, 172 (Lower Rosebud); South Dakota.
1909 C, 116.
Merriam, J. C. 1913 E, 383.
1914 D, 14. Pleistocene (Siesta); California.
1917 A, 428. Pliocene (Rattlesnake); Oregon.
430. Pliocene (Ricardo); Oregon.
Merriam and Sinclair 1907 A, 196. Miocene (Mascall?); Oregon.
Miller, L. H. 1912 A, 70, 73. Pleistocene (Fossil Lake); Oregon.
Shufeldt, R. W. 1913 B, 159, pl. x, figs. 27-30. Oregon.
Sinclair, W. J. 1903 A, 711. Pleistocene (Potter Creek Cave); California.
1904 A, 17. Pleistocene (Potter Creek Cave); California.
Stock, C. 1918 A, 487. Pleistocene (Hawver Cave); California.
1924 B, 54 ("rabbit"). Upper Miocene (Mint Canyon); California.
1925 A, 18. Lower Pliocene (Rattlesnake); Oregon: Pleistocene (Upper San Pedro and Caves); California.
1927 A, 156. Pleistocene; California.

SYLVILAGUS Gray. Type *Lepus sylvaticus* Bachman.

Gray, J. E. 1867 D, 221.
Hay, O. P. 1902 A, 736 (Lepus, in part).
Ameghino, F. 1907 A, 70.
Cockerell and Miller 1914 A, 365, figs. 66, 67.
Hay, O. P. 1914 A, 471.
Höfer, H. 1911 A, 440.
Honigmann, H. L. 1913 A, 294.
Lyon, M. W. 1904 A, *passim.*
Major, C. J. F. 1899 A, 513, 514.
Miller, G. S. 1912 B, 357.
1924 C, 462.
Palmer, T. S. 1904 A, 655, 851.
Scharff, R. F. 1911 A, 225 (Silvilagus).
Schlosser, M. 1903 F, 144.
Trouessart, E. L. 1904 A, 535.

Sylvilagus audubonii (Baird).

Baird, S. F. 1857 A, 608 (Lepus).
Dice, L. R. 1925 A, 128.
Elliot, D. G. 1901 A, 283 (Lepus).
Furlong, E. L. 1904 A, 54, 55 (Lepus audubonii?).
1906 A, 243, 245 (L. audubonii?).
Hay, O. P. 1927 D, 184, 215 (S. audubonii).
Merriam and Stock 1925 A, 10.
Miller, G. S. 1912 B, 365.
1924 C, 470.
Miller, L. H. 1912 A, 70, 73 (L. audubonii).
Nelson, E. W. 1909 A, 214, pl. xi, figs. 1, 5.
Sinclair, W. J. 1903 A, 711 (L. audubonii?).
1904 A, 17 (L. audubonii).
Stock, C. 1925 A, 113.
Recent; north-central California: Pleistocene; California.

Sylvilagus audubonii pix Dice.

Dice, L. R. 1925 A, 128, figs. 4, 6, 8-12.
Kellogg, L. 1912 A, 164, 167, fig. 16 (S. audubonii).
Pleistocene (La Brea); California.

Sylvilagus bachmani cinerascens (Allen).

Allen, J. A. 1890, Bull. Amer. Mus. Nat. Hist., III, 159 (Lepus).
Dice, L. R. 1925 A, 130, figs. 5, 7.
Hay, O. P. 1927 D, 184.
Kellogg, L. 1912 A, 168.
Miller, G. S. 1912 B, 371.
1924 C, 476.
Recent; southern California to Lower California: Pleistocene (LaBrea); California.

Sylvilagus floridanus (Allen).

Allen, J. A. 1890 Bull. Amer. Mus. Nat. Hist., III, 160.
Hay, O. P. 1902 A, 736 (Lepus sylvaticus).
Agassiz, L. 1859 B, 186 ("hare").
Baker, F. C. 1920 A, 208, 248 (Lepus sylvaticus); 473 (S. floridanus).
Bangs, O. 1898 A, 173 (Lepus).
Brown, B. 1908 A, 199, pl. xxi (Lepus).
Calvin, S. 1909 B, 342 (L. sylvaticus).
Chamberlin, T. C. 1894 A, 759 (L. sylvaticus).
Cope, E. D. 1895 G, 596 (Lepus sylvaticus).
Dice, L. R. 1917 A, 181.
Elliot, D. G. 1901 A, 380 (Lepus).
Frech and Geinitz 1903 A, 36 (L. sylvaticus).
Hay, O. P. 1914 A, 32, 38 (Lepus); 472, pl. lxxiii, figs. 1-6 (Sylvilagus).
1920 B, 106.
1923 A, 496.
1924 D, 247, 252, 276, 283 (Lepus, Sylvilagus).
Holmes, F. S. 1859 A, 184 ("rabbit").
1860 A, vii ("rabbit").
Joleaud, L. 1919 A, 712 (L. sylvaticus).
Leidy, J. 1857 J, 100 (Lepus sylvaticus).
1859 J, 181 (Lepus sylvaticus).
1889 H, 19 (Lepus sylvaticus).
Leverett, F. 1899 A, 42, 124 (Lepus sylvaticus).
Lyon, M. W. 1904 A, *passim*, figs.
McGee, W J 1891 A, 495 (L. sylvaticus).
Matthew, W. D. 1925 A, 97 (Lepus. This species?).
Mercer, H. C. 1894 A, 98 ("gray rabbit").
Miller, G. S. 1912 B, 358.
1924 C, 463.
Nelson, E. W. 1909 A, 164, pl. ix, figs. 2, 5, text-fig. 11.
Osborn, H. F. 1910 B, 472 (Lepus sylvaticus).
Peterson, O. A. 1926 A, 281 (Lepus sylvaticus).
Rhoads, S. N. 1903 A, 246 (Lepus).
Simpson, G. G. 1928 H, 2.
Upham, W. 1895 B, 282 ("rabbit").
Whitney, J. D. 1862 A, 136 (Lepus sylvaticus).
Recent; eastern half of United States: Pleistocene; Pennsylvania, Virginia, Illinois, Iowa, Arkansas, South Carolina, Florida, Maryland.

Sylvilagus palustris (Bachman).

Bachman, J. 1837, Jour. Acad. Nat. Sci. Phila., VII, 194 (Lepus).
Baker, F. C. 1920 A, 374.
Bangs, O. 1898 A, 173 (Lepus).
Cope, E. D. 1871 I, 93 (Lepus sylvaticus).

Elliot, D. G. 1901 A, 279 (Lepus).
Hay, O. P. 1917 E, 45.
1923 A, 382.
1927 D, 274.
Loomis, F. B. 1924 C, 506.
Lyon, M. W. 1904 A, 330, 337, pl. lxxvi, fig. 6; pl. lxxvii, fig. 4; pl. lxxxix, fig. 7 (Limnolagus).
Miller, G. S. 1912 B, 373.
1924 C, 478.
Nelson, E. W. 1909 A, 266, pl. xii, figs. 3, 6.
Sellards, E. H. 1916 B, 103 (S. sp.).
1916 C, 151, 158, pl. xxix, figs. 3, 6 ("Sylvilagus sp." This species?).
1916 D, 616 (S. sp.).
1916 E, 16, 17 (S. sp.).
Simpson, G. G. 1928 H, 2.
Recent; Virginia to South Carolina and Florida: Pleistocene; Florida: (Port Kennedy); Pennsylvania.

Sylvilagus sp. indet.

Gidley, J. W. 1922 B, 120. Pleistocene (San Pedro Valley); Arizona.
1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1919 C, 106. Pleistocene; Florida.
1920 B, 141. Pleistocene; Texas.
1921 A, 613. Pleistocene (Middle?); Washington.
1923 A, 496. Pleistocene; Florida.
1924 D, 247. Pleistocene; Texas.
1927 D, 313.
Stock, C. 1925 A, 118. Pleistocene (Upper San Pedro); California.

Palæolagus Leidy. Type *P. haydeni* Leidy.

Hay, O. P. 1902 A, 735.
Coues, E. 1883 A, 74.
Dice, L. R. 1917 A, 180.
Douglass, E. 1901 B, 250.
1905 A, 211.
1909 C, 231, 283, 285.
Gidley, J. W. 1906 F, 99, fig. 12.
Haug, E. 1911 A, 1528.
Joleaud, L. 1919 A, 711, fig. 8.
Kraglievich, L. 1926 C, 47.
Matthew, W. D. 1901 B, 369, 370, 376.
1902 D, 306.
1905 D, 54, fig. 26.
1907 A, 177, 214.
1909 C, 110.
1910 B, 72.
1915 K, 420.
Merriam, J. C. 1911 B, 206.
1916 E, 169 ("new genus").
Moodie, R. L. 1922 C, 347.
O'Harra, C. C. 1910 A, 88, 127.
Osborn, H. F. 1907 G, 148, 150, figs. 113, 115.
1910 B, 221, 534.
Palmer, T. S. 1904 A, 501, 850.
Scharff, R. F. 1911 A, 226.
Schlosser, M. 1903 F, 142.
1924 A, 48.
Seeley, H. G. 1886 A, 516.
Thorpe, M. R. 1923 E, 241.
Trouessart, E. L. 1904 A, 533.
Troxell, E. L. 1921 C, 340.
Wallace, A. R. 1876 A, 1, 140.
Weber, M. 1904 A, 508.
Weber and Abel 1928 A, 293.
Winge, H. 1888 A, 156.
Woodward, A. S. 1898 B, 377.
Zittel and Schlosser 1911 A, 433.
1923 A, 517.

Palæolagus agapetillus Cope.

Hay, O. P. 1902 A, 735 (P. haydeni, in part).
Matthew, W. D. 1902 D, 307, fig. 16 (This species?).
1903 B, 218.
1909 C, 108.
Trouessart, E. L. 1904 A, 533.
Troxell, E. L. 1921 C, 347, figs. 17, 19 (Subsp. of P. haydeni).
Oligocene (White River); Colorado.

Palæolagus brachyodon Matthew.

Matthew, W. D. 1903 B, 217, 218.
Douglass, E. 1903 A, 149.
Lambe, L. M. 1905 D, 369 A.
Matthew, W. D. 1907 A, 177.
1909 C, 104.
Oligocene (White River); Montana, Canada?

Palæolagus haydeni Leidy.

Hay, O. P. 1902 A, 735.
Cook, H. J. 1912 D, 36.
Cope, E. D. 1891 N, 73, fig. 45 (P. haydenii).
Darton, N. H. 1905 A, 173.
Lambe, L. M. 1905 D, 368 A.
1908 A, 11, 58, pl. viii, figs. 21-25.
Matthew, W. D. 1901 B, 357, 377.
1902 D, 308.
1903 B, 218.
1909 C, 105.
O'Harra, C. C. 1920 A, 151.
Seeley, H. G. 1886 A, 516.
Sinclair, W. J. 1924 A, 102.
Trouessart, E. L. 1904 A, 533.
Troxell, E. L. 1921 C, 340, 345, figs. 1, 2, 9-16, 18, 20.
Weber, M. 1904 A, 508, fig. 382.
Oligocene (Middle); Colorado: ("Brule"); Nebraska.

Palæolagus intermedius Matthew.

Hay, O. P. 1902 A, 736.
Matthew, W. D. 1901 B, 357, 377.
1902 D, 308, fig. 17.
1903 B, 218.
1909 C, 108.
Troxell, E. L. 1921 C, 348 (Subsp. of P. haydeni).
Oligocene (White River); Colorado.

Palæolagus leporinus (Cope).

Hay, O. P. 1902 A, 736.
Trouessart, E. L. 1904 A, 533 (Syn. of P. haydeni).
Oligocene (White River); Colorado.

Palæologus nevadensis Kellogg.

Kellogg, L. 1910 A, 435, fig. 19.
Merriam, J. C. 1911 B, 205, 214, 253, 255.
Miocene (Virgin Valley); Nevada.

Palæolagus temnodon Douglass.

Douglass, E. 1901 B, 242, 250.
1903 A, 149.
Granger, W. 1910 A, 240 (This species?).
Lambe, L. M. 1905 D, 369 A.
Matthew, W. D. 1902 D, 310.
1903 B, 216, 218.
1907 A, 177.
1909 C, 104.
Trouessart, E. L. 1904 A, 533.
Lower Oligocene (White River); Montana.

Palæolagus triplex Cope.

Hay, O. P. 1902 A, 736.
Douglass, E. 1901 B, 242.
Matthew, W. D. 1901 B, 377.
1902 D, 309 (Syn. of P. turgidus).
Oligocene (White River); Colorado.

Palæolagus turgidus Cope.

Hay, O. P. 1902 A, 736.
Cook, H. J. 1912 D, 36.
Douglass, E. 1901 B, 242.
Lambe, L. M. 1904 C, 29, 38, 52.
1905 D, 368, A.
1908 A, 11, 58.
Matthew, W. D. 1901 B, 377.
1902 D, 309.
1903 B, 218.
1909 C, 105.
Sinclair, W. J. 1924 A, 102.
Troxell, E. L. 1921 C, 343, figs. 4-6.
Middle Oligocene (Brule); Nebraska: (Cedar Creek); Colorado.

HYPOLAGUS Dice. Type *Lepus vetus* Kellogg.

Dice, L. R. 1917 A, 181.
Joleaud, L. 1920 D, 98.
Matthew, W. D. 1924 C, 87.

Hypolagus browni (Hay).

Hay, O. P. 1921 A, 630, pl. cxxi, figs. 6-18 (Brachylagus).
1923 A, 9 (Brachylagus).
1927 D, 129.
Pleistocene (Nebraskan); Arizona.

Hypolagus edensis Frick.

Frick, C. 1921 A, 348, figs. 51-53.
Stock, C. 1925 R, 21.
Pliocene (Eden); California.

Hypolagus vetus (Kellogg).

Kellogg, L. 1910 A, 436, fig. 20 (Lepus).
Dice, L. R. 1917 A, 181, figs. 4, 5.
1923 A, 192.
Frick, C. 1921 A, 348.
Matthew, W. D. 1924 C, 66, 86 [Lepus (Hypolagus)].
Merriam, J. C. 1911 B, 205, 211, 212, 214, 215, 253, 255 (Lepus).
1916 A, 179, fig. 15 (Lepus. This species?).
1917 A, 429.
Merriam, Stock, Moody 1925 A, 58, 69, fig. 24 (This species?).
Pliocene (Thousand Creek); Nevada: (Cedar Mountain?); California.

Hypolagus sp. indet.

Stock, C. 1925 A, 20. Lower Pliocene (Pinole-Orinda-Siesta); California.

OREOLAGUS Dice. Type *Palæolagus nevadensis* Kellogg.

Dice, L. R. 1917 A, 182.
Joleaud, L. 1920 D, 98.
Merriam, J. C. 1911 B, 205, 214, 253, 255 (Palæolagus).

Oreolagus nevadensis (Kellogg).

Kellogg, L. 1910 A, 405, fig. 19 (Palæolagus).
Dice, L. R. 1917 A, 182, fig. 6.
Middle Miocene (Virgin Valley); Nevada.

ARCHÆOLAGUS Dice. Type *Lepus ennisianus* Cope.

Dice, L. R. 1917 A, 180.
Joleaud, L. 1920 D, 98.
Matthew, W. D. 1924 C, 87.

Archæolagus ennisianus (Cope).

Hay, O. P. 1902 A, 736 (Lepus).
Dice, L. R. 1917 A, 180, figs. 1-3.
1923 A, 192.
Matthew, W. D. 1902 D, 306, fig. 15 (Lepus).
Matthew, W. D. 1907 A, 214 (Lepus).
1909 C, 108 (Lepus).
1924 C, 87 (Lepus).
Merriam and Sinclair 1907 A, 185, 188, 190, 191, 192 (Lepus).
Schlosser, M. 1924 A, 48 (Lepus).
Seeley, H. G. 1886 A, 516 (Lepus).
Trouessart, E. L. 1904 A, 533 (Palæolagus).
Oligocene (Upper); Oregon.

Order SIMPLICIDENTATI Lilljeborg.

Lilljeborg, W. 1866.
Most authors give to this name the neuter termination *a*. For additional citations see under Glires.
Hay, O. P. 1902 A, 718.
Abel, O. 1912 F, 506.
Beddard, F. E. 1902 A, 462.
Case, E. C. 1899 B, 183.
Gidley, J. W. 1912 A, 285.
Gregory, W. K. 1910 A, 465.
Hay, O. P. 1912 D, 751.
1914 A, 450.

Hilzheimer, M. 1913 A, 569.
Höfer, H. 1911 A, 442.
Jaekel, O. 1911 A, 221 (Simplicidentati).
Kükenthal, W. 1913 A, 680.
Lilljeborg, W. 1866 A, 9.
Major, C. J. F. 1908 B, 630.
Matthew, W. D. 1912 B, 186 ("simplicidentate rodents").
1914 H, 351 ("simplicidentates").
1928 B, 977 ("simplicident rodents").
Osborn, H. F. 1907 G, 145.
Rehs, J. 1914 A, 68.
Schlosser, M. 1902 I, 708.
Scott, W. B. 1913 A, 60.
Stromer, E. 1912 A, 169.
Van Bemmelen, J. F. 1914 A, 524.
Weber, M. 1904 A, 490, 495.
Weber and Abel 1928 A, 252, 254, 267, 268, 271.
Weber and Burlet 1927 A, xiv.
Zittel and Schlosser 1911 A, 425.
1923 A, 509.

Suborder SCIURIFORMES, new name.

Unless otherwise indicated the writers, as cited, employ for this suborder the name Sciuromorpha.
Hay, O. P. 1902 A, 718.
Ameghino, F. 1889 A, 107, 109.
1906 A, 409.
1912 B, 172.
Anonymous 1897 B, 367.
Arldt, T. 1907 B, 451 ("sciuromorphen").
1907 D, 144, 252.
Beddard, F. E. 1902 A, 462.
Cope, E. D. 1891 N, 70, 72, 80 (Sciuromorpha. Myomorpha).
Coues, E. 1883 A, 116.
Doran, A. H. G. 1878 A, 418.
Gregory, W. K. 1910 A, 330.
Hay, O. P. 1912 D, 751.
1914 A, 451.
Hogben, L. T. 1919 A, 72.
Höfer, H. 1911 A, 445 (Sciuroidea).
Kraglievich, L. 1926 C, 47.
Matthew, W. D. 1910 B, 64, 69, 71 (Sciuromorpha).
1915 A, 233.
Moodie, R. L. 1922 C, 347.
Osborn, H. F. 1910 B, 534 (Sciuromorpha); 536 (Myomorpha).
Rehs, J. 1914 A, 69, 93 (Sciuromorphi).
Reynolds, S. H. 1897 A, 477.
Schlosser, M. 1900 G, 306.
1902 I, 708 (Sciuromorphi).
Scott, W. B. 1913 A, 270.
Steinmann, G. 1907 A, 477.
Trouessart, E. L. 1904 A, 292.
Weber, M. 1904 A, 489.
Weber and Abel 1928 A, 267.
Winge, H. 1888 A, 155.
Zittel and Schlosser 1911 A, 424.
1923 A, 508.

Superfamily SCIUROIDÆ Miller and Gidley.

Miller and Gidley 1918 A, 432.
Abel, O. 1911 A, 148 (Sciuroidea).
Höfer, H. 1911 A, 445 (Sciuroidea).
Kraglievich, L. 1926 C, 47 (Sciuroidea).
Matthew, W. D. 1910 B, 69 (Sciuroidea).
Osborn, H. F. 1910 B, 535 (Sciuroidea, Castoroidea, Geomyoidea).
Rehs, J. 1914 A, 69, 93 (Sciuroidei).
Weber and Abel 1928 A, 267, 272 (Sciuroidea); 276 (Geomyoidea).
Weber and Burlet 1927 A, xiv (Sciuroidea, Castoroidea, Geomyoidea).
Winge, H. 1924 A, 8, 79 (Sciuridæ, Heteromyidæ, Adjidaumidæ).

SCIURIDÆ Gray.

Gray, J. E. 1821 A, 304.
Hay, O. P. 1902 A, 718.
Abel, O. 1921 A, 263 ("sciuriden").
Adams, C. C. 1902 B, 355 ("squirrels").
Adloff, P. 1903 A, 368 ("sciuriden").
1904 A, 142 ("sciuriden").
1910 A, 258 ("sciuriden").
1910 B, 246 ("sciuriden").
1913 C, 9 ("sciuriden").
Ameghino, F. 1889 A, 894, 955.
Anthony, R. 1910 A, 781 ("sciuridés").
1912 A.
Arldt, T. 1907 D, 680.
Beddard, F. E. 1902 A, 463.
Branca, W. 1915 A, 45 ("sciuriden").
Brandt and Woldrich 1887 A, 57 (Sciurina).
Carter, J. T. 1922 A, 599.
Carus, V. 1875 A, 96 (Sciurida).
Chandler, A. C. 1914 B, 134.
Cockerell and Miller 1914 A, 366.
Coues, E. 1883 A, 122.
Cuvier, F. 1912 A, 277, pl. xv, fig. 1 ("écureuils").
Depéret, C. 1905 C, 703 ("sciuridés").
Depéret, C. 1907 B ("sciuridés").
1908 A, 112.
1912 A, 708 ("sciuridés").
Doran, A. H. G. 1878 A, 407.
Elliot, D. G. 1901 A, 50.
Fawcett, E. 1923 A, 221, pls. i-iv (Xerus).
Fuchs, H. 1914 A, 311 ("sciuriden").
Gidley, J. W. 1907 B, 635.
Giebel, C. G. 1865 C, 432 ("sciurinen").
1878 C, 854 ("sciurinen").
1883 A ("sciurinen").
Gregory, W. K. 1914 G, 380.
Hay, O. P. 1923 A, 312.
Hoernes, R. 1886 A, 691.
Hogben, L. T. 1919 A, 73.
Kampfen, P. N. 1905 A, 554.
Krumbach, T. 1904 A, 281, 288 ("sciuriden," "arctomiden").
Leunis and Ludwig 1883 A, 213.
Lilljeborg, W. 1866 A, 37.
Lobley, J. L. 1908 A, 200, 205.
Martin, C. 1857 A, 82 ("écureuils").
1872 A, 308 ("écureuils").

Matthew, W. D. 1901 B, 370.
1904 C, 264.
1909 C, 103, 105, 107, 110, 114, 116, 118.
1910 B, 65, 70, 71.
1915 A, 229 ("squirrels").
1915 K, 466, fig. 17 ("squirrels").
Miller, G. S. 1912 A, 897.
1912 B, 292.
1924 C, 173.
Miller and Gidley 1918 A, 433.
Osborn, H. F. 1909 D, 55, 61, 66, 80.
1910 B, 128, 221, 259, 535.
Owen, R. 1866 B, 383.
Palmer, T. S. 1904 A, 769, 804.
Pocock, R. I. 1923 A, 209.
Rehs, J. 1914 A, 69, 94.
Reynolds, S. H. 1897 A, 476.
Schlosser, M. 1902 I, 708.
1902 J, 232, 256.
Scott, W. B. 1916 A, 117 ("squirrels").
Seton, E. T. 1909 A, 307.
Taschenberg, O. 1899 A, 4675.
Terra, P. 1911 A, 298.
Thomas, O. 1915 A, 383.
Trouessart, E. L. 1904 A, 297.
Troxell, E. L. 1923 D, 395.
Vicq-d'Azyr, F. 1792 A, xcvii, 2, 280 (Sciurii).
Wagner, A. 1841 A, 116 (Sciurina).
Wallace, A. R. 1876 A, II, 234.
Waterhouse, G. R. 1839 C, 173.
1839 D, 91, 94.
1842 A, 198.
Weber and Abel 1928 A, 253, 257, 267, 268, 273, fig. 72 (Sciuridæ, Marmotidæ); 274 (Tamiidæ).
Winge, H. 1924 A, 84 (Sciurini).
Zittel and Schlosser 1911 A, 426 (Sciuroidea).
1923 A, 509, 518 (Sciuroidea).

SCIURINÆ Baird.

Baird, S. F. 1857 A, 240.
Hay, O. P. 1902 A, 719.
Adloff, P. 1910 A, 266 ("sciurinen").
Arldt, T. 1912 A, 742.
Elliot, D. G. 1901 A, 50.
Gray, J. E. 1821 A, 303 (Arctomydæ).
Lilljeborg, W. 1866 A, 38 (Sciurini).
Miller and Gidley 1918 A, 433.
Thomas, O. 1914 A, 416.
Trouessart, E. L. 1904 A, 301.
Weber, M. 1904 A, 496.
Weber and Abel 1928 A, 274 (Tamiidæ).
Zittel and Schlosser 1911 A, 426.
1923 A, 510.

PALÆARCTOMYS Douglass. Type *P. montanus* Douglass.

Douglass, E. 1903 A, 182.
Matthew, W. D. 1909 C, 118.
1910 B, 71.
Zittel and Schlosser 1923 A, 510.

Palærctomys macrorhinus Douglass.

Douglass, E. 1903 A, 154, 184, figs. 24, 25.
Matthew, W. D. 1909 C, 116.
Upper Miocene (Arikaree); Montana.

Palæarctomys montanus Douglass.

Douglass, E. 1903 A, 154, 183, fig. 23.
Matthew, W. D. 1909 C, 116.
Upper Miocene (Arikaree); Montana.

Palæarctomys vetus (Marsh).

Hay, O. P. 1902 A, 720 (Arctomys).
Matthew, W. D. 1909 C, 116.
Upper Miocene (Arikaree); Nebraska.

EUTAMIAS Trouessart. Type *Tamias striatus asiaticus* (Gmelin).

Trouessart, E. L. 1880, Bull. Soc. d'Études Sci. d'Angers, x, 86-87.
Allen, J. A. 1903 A.
Merriam, C. H. 1897 C, 189.
1906 A, 250, fig. 2.
Miller, G. S. 1912 B, 306.
1924 C, 199.
Osborn, H. F. 1910 B, 477.
Palmer, T. S. 1904 A, 282, 865.

Eutamias sp. indet.

Hay, O. P. 1927 D, 215.
Kellogg, L. 1912 A, 156. Pleistocene (Potter Creek Cave); California.
Merriam and Stock 1925 A, 10. Pleistocene (Potter Creek Cave); California.
Miller, L. H. 1912 A, 70 (E. senex). Pleistocene (Potter Creek Cave); California.
Sinclair, W. J. 1904 A, 17 (E. senex). Pleistocene (Potter Creek Cave); California.
Stock, C. 1925 A, 113. Pleistocene (Caves); California.
1927 A, 156. Pleistocene; California.

CITELLUS Oken. Type *Mus citellus* Linnæus.

Oken, L. 1916, Lehrb. Zool., II, 842.
If not otherwise indicated the authors, as quoted, use for this genus the name *Spermophilus*.
Abel, O. 1921 A, 263.
Adloff, P. 1907 A, 534.
1910 A, 258.
1913 A, 238.
1913 C, 14.
1917 B, 287.
Ahrens, H. 1912 B, 53.
Aichel, O. 1917 A, 102, fig. 1.
Allen, J. A. 1892 A.
1902 E, 375 (Citellus).
1903 A (Citellus).
Altmann, F. 1925 A, 101.
Arldt, T. 1907 D, 604.
Beddard, F. E. 1902 A, 464.
Berthold, A. A. 1825 A, 998 (Citillus)
Brandt and Woldrich 1887 A, 62.

Bronn, H. G. 1848 B, 1161.
1849 A, 717.
Cockerell and Miller 1914 A, 368, figs. 82-85.
Coues, E. 1883 A, 125 (Spermophilus).
Cuvier, F. 1822 A, 293, 304, pl. ii ("spermophile").
Cuvier, G. 1825 A, v, 1, 29, pl. i ("spermophiles").
Doran, A. H. G. 1878 A, 408, pl. lx.
Elliot, D. G. 1901 A, 81.
Erdl, M. 1843 A, 525, 529.
Frech, F. 1902 A, 484.
Frey, H. 1911 A, 403.
Fuchs, H. 1914 A, 31.
Gervais, P. 1852 A, 19.
1859 A, 24.
Giebel, C. G. 1855 A, 46, pl. xx.
Gottlieb, H. 1914 A, 204.
Heilprin, A. 1887 A, 359.
Heinick, P. 1908 A, 390.
Höfer, H. 1911 A, 447, pl. xix, fig. 12.
Hoernes, R. 1886 A, 692.
Hrdlička, A. 1903 A, 381.
Hue, E. 1907 A, pl. xlvi.
Leche, W. 1887 A.
Leunis and Ludwig 1883 A, 214.
Lilljeborg, W. 1866 A, 40.
Lönnberg, E. 1910 A, 119.
Matthew, W. D. 1910 B, 71.
1915 K, 402.
Merriam, C. H. 1892 A, 62.
Merriam, Stock, Moody 1925 A, 68.
Miller, G. S. 1912 A, 924 (Citellus).
1912 B, 295 (Citellus).
1924 C, 184 (Citellus).
Nehring, A. 1880 A.
1901 C, 464.
Osborn, H. F. 1909 D, 90.
1910 B, 632.
Owen, R. 1845 B, 402, pl. cv, fig. 3 ("souslik").
Palmer, T. S. 1904 A, 190, 864 (Citellus).
Pictet, F. J. 1853 A, 237.
Pocock, R. I. 1923 A, 209-246.
Rehs, J. 1914 A, 94.
Scharff, R. F. 1895 A, 467.
1911 A, 60 (Citellus).
Schwalbe, G. 1904 A, 207.
Scott, W. B. 1913 A, 163.
Shimer, H. W. 1903 A, 824.
Taschenberg, O. 1899 A, 4683.
Tims, H. W. M. 1901 A, 278.
Wallace, A. R. 1876 A, II, 235, 236.
Waterhouse, G. R. 1839 C, 172.
1839 D, 96.
Weber, M. 1904 A, 497.
Weber and Abel 1928 A, 274 (Citellus).
Winge, H. 1888 A, 109.
1924 A, 82, 83.
Woodward, H. 1904 B, 162.

Citellus bensoni Gidley.

Gidley, J. W. 1922 B, 120, 122, pl. xxxiv, figs. 3, 4.
Hay, O. P. 1927 D, 136.
Pleistocene (San Pedro Valley); Arizona.

Citellus cochisei Gidley.

Gidley, J. W. 1922 B, 120, 121, pl. xxxiv, figs. 1, 2.
Hay, O. P. 1927 D, 136.
Pleistocene (San Pedro Valley); Arizona.

Citellus taylori Hay.

Hay, O. P. 1921 A, 616, pl. cxx, fig. 7.
Pleistocene (Early?); Texas.

Citellus tridecemlineatus (Mitchill).

Mitchill, S. L. 1821, Med. Repos., n.s., VI (XXI). 248 (Sciurus).
Brown, B. 1908 A, 194 (Spermophilus).
Coues, E. 1883 A, 125 (Spermophilus).
Elliot, D. G. 1901 A, 100 (Spermophilus).
Hay, O. P. 1914 A, 32.
Merriam, C. H. 1906 A, 255, fig. 3.
Miller, G. S. 1912 B, 305.
1924 C, 193.
Scharff, R. F. 1911 A, 61.
Seton, E. T. 1909 A, 394, pl. xxxvi, text-figs. 122-123, map 2.
Recent; Michigan to Montana, north to Saskatchewan, south to central Texas, Illinois and Ohio: Pleistocene (Middle); Arkansas.

Citellus tuitus Hay.

Hay, O. P. 1921 A, 627, pl. cxx, figs. 5, 6.
1923 A, 9.
1927 D, 129.
Pleistocene (Nebraskan?); Arizona.

Citellus sp. indet.

Kellogg, L. H. 1910 A, 427, fig. 8. Pliocene (Thousand Creek); Nevada.
Merriam, J. C. 1911 B, 211, 213, 214, 253. Pliocene (Thousand Creek); Nevada.
1917 A, 429. Pliocene (Thousand Creek); Nevada.
Stock, C. 1920 A, 272, fig. 6 ("sciurid"). Oligocene (San Lorenzo); California.

CALLOSPERMOPHILUS Merriam, C. H. Type *Sciurus lateralis* Say.

Merriam, C. H. 1897, Proc. Biol. Soc. Washington, XI, 189.
Miller, G. S. 1912 B, 315.
1924 C, 182.

Callospermophilus chrysodeirus (Merriam).

Merriam, C. H. 1890, N. Amer. Fauna, No. 4, 19 (Tamias).
Elliot, D. G. 1901 A, 84 (Spermophilus).
Hay, O. P. 1927 D, 214, 215.
Kellogg, L. 1912 A, 156.
Merriam, C. H. 1901, Proc. Biol. Soc. Washington, XIV, 126.
Merriam and Stock 1925 A, 10.
Miller, G. S. 1912 B, 315.
1924 C, 182.
Miller, L. H. 1912 A, 70.
Sinclair, W. J. 1904 A, 17.
Stock, C. 1925 A, 113.
Recent; northern California: Pleistocene (Caves); California.

Callospermophilus trepidus Taylor.

Taylor, W. P. 1910, Univ. Calif. Pub. Zool., v, 283.

Kellogg, L. 1910 A, 427, fig. 8 ("Citellus sp." This species?).
Miller, G. S. 1924 C, 184.
Recent; Nevada: Pliocene (Thousand Creek); Nevada.

Marmota Blumenbach. Type *Mus marmota* Linnæus.

Blumenbach, C. H. C. 1779, Handb. Naturgesch., I, 79.
Unless otherwise stated, the authors here cited employ the name *Arctomys*.
Hay, O. P. 1902 A, 720.
Abel, O. 1912 F, 347, 379.
1921 A, 263.
Allen, J. A. 1892 A.
1903 A.
Altmann, F. 1925 A, 108.
Ameghino, F. 1903 A, 129.
Arldt, T. 1907 D, 303, 304.
Bärthold, — 1904 A, 367.
Bardeleben, K. 1885 B, 86 (Arctomys).
Beddard, F. E. 1902 A, 465.
Berthold, A. A. 1825 A, 913, 986 (Marmota, Arctomys).
Blumenbach, J. F. 1779, Handb. Naturges., I, 79 (Marmota).
Bovero, A. 1905 A, 114, figs. 1-4.
Brandt and Woldrich 1887 A, 61.
Bronn, H. G. 1849 A, 717.
Brubacher, H. 1892 A, 3.
Cockerell and Miller 1914 A, 366, figs. 74-76.
Cope, E. D. 1880 U, 158.
Coues, E. 1883 A, 122.
Cuvier, F. 1812 A, 278, pl. xv, fig. 2 ("marmotte").
1822 A, 293, 297, pl. i (Arctomis).
1825 F, 159, pl. liv ("marmottes").
Cuvier, G. 1825 A, v, 1, 6, 29, pl. i.
Doran, A. H. G. 1878 A, 409, pl. lx.
Eggeling, H. 1904 A, 93.
Eimer, G. H. T. 1901 A, 139.
Elliot, D. G. 1901 A, 139.
Erdl, M. 1843 A, 524, 529.
Frech, F. 1906 A, 484.
Gaupp, E. 1912 B, 235.
1913 A, 125.
Gegenbaur, C. 1864 C, 182.
Gervais, P. 1852 A, 20.
1859 A, 23.
Giebel, C. G. 1855 A, 45.
1878 C, 854.
1883 A, pls. xxii, lviii, lxxi, lxxviii.
Gottlieb, H. 1914 A, 186.
Gregory, W. K. 1910 A, 437.
1920 A, 173, 242, fig. 126.
Hagmann, G. 1909 A.
Hasse and Schwarck 1870 A, 114.
Heilprin, A. 1887 A, 359, 364.
Höfer, H. 1911 A, 447, pl. xix, figs. 5, 6.
Hoernes, R. 1886 A, 691.
Howell, A. H. 1915 A, 1, 18 (Marmota).
Hue, E. 1907 A, pls. xlii, lxxxiv, xcviii, cxii, cxxvi, cxxxvi, cxlix, clxiv, clxxvi.
Köstlin, O. 1844 A.
Krumbach, T. 1904 A, 288.
Leunis and Ludwig 1883 A, 215.
Lilljeborg, W. 1866 A, 40.
Lobley, J. L. 1908 A, 196.
Lönnberg, E. 1910 A, 119.
Martins, C. 1857 A, 82 ("marmottes").
1872 A, 308 ("marmottes").
Matschie, P. 1901 A, 316.
Matthew, W. D. 1910 B, 46, 71.
1915 K, 402.
Meckel, J. F. 1825 A.
Merriam, C. H. 1892 A, 62.
Miller, G. S. 1912 A, 931 (Marmota).
1912 B, 292 (Marmota).
1924 C, 173.
Nehring, A. 1880 A.
1901 C, 464.
Osborn, H. F. 1910 B, 535; 622 (Marmota).
1916 B, 535.
Owen, R. 1845 B, pl. cv, fig. 4.
1866 B, 382.
Palmer, T. S. 1904 A, 118, 864; 400, 865 (Marmota).
Pander and Alton 1823 B, 6, pl. vi ("murmelthiere").
1824 A, 3 ("murmelthiere").
Paulli, S. 1900 B, 514.
Pictet, F. J. 1853 A, 236.
Scharff, R. W. 1907 A, 139.
Schwalbe, G. 1904 A, 207.
Scott, W. B. 1913 A, 152, fig. 59 (Marmota).
Seton, E. T. 1909 A, 416.
Taschenberg, O. 1899 A, 4465.
Tornier, G. 1889 A, 178 (Arctomys).
1891 A, 114, 174.
Trouessart, E. L. 1904 A, 343.
Vicq-d'Azyr, F. 1792 A, 340.
Wallace, A. R. 1876 A, II, 235, 236.
Waterhouse, G. R. 1839 C, 172.
Weber, M. 1904 A, 497.
Weber and Abel 1928 A, 254, fig. 168.
Winge, H. 1888 A, 109.
1924 A, 9, 83, 84.
Zietzschmann, O. 1917 A, 437, pl. xxv.
Zittel and Schlosser 1911 A, 426.
1923 A, 510.

Marmota arizonæ Hay.

Hay, O. P. 1921 A, 627, pl. cxxiii, figs. 6-8.
1923 A, 9.
1927 D, 129.
Pleistocene (Nebraskan?); Arizona.

Marmota arrodens Hay.

Hay, O. P. 1921 A, 611, pl. cxvii, figs. 3-5, 7, 9; pl. cxviii, figs. 1, 3, 4.
1927 D, 259.
Pleistocene (Middle?); Washington.

Marmota flaviventer (Audubon and Bachman).

Audubon and Bachman 1841, Proc. Acad. Sci. Phila., 1841, 99 (Arctomys).

Hay, O. P. 1921 A, 613, pl. cxviii, figs. 6, 8.
1927 D, 215, 259.
Howell, A. H. 1915 A, 36-55, pls. i-iv; vi-viii, xii-xiv; text-fig. 2 (M. flaviventris).
Kellogg, L. 1912 A, 154 (Arctomys, This species?).
Merriam and Stock 1925 A, 10.
Miller, G. S. 1912 B, 292.
1924 C, 175.
Stock, C. 1918 A, 468.
1925 A, 113.
Taylor, W. P. 1911 B, 211.
Trouessart, E. L. 1904 A, 344.
Recent; New Mexico to 49th parallel: Pleistocene; California, Washington.

Marmota minor (Kellogg).

Kellogg, L. 1910 A, 425, figs. 3-7 (Arctomys).
Merriam, J. C. 1911 B, 211, 213, 214, 253 (Arctomys).
1917 A, 429 (Arctomys).
Pliocene (Thousand Creek); Nevada.

Marmota monax (Linnæus).

Hay, O. P. 1902 A, 720 (Arctomys monax, M. torta).
Ameghino, F. 1903 A, 138, fig. 59 (Arctomys).
Baker, F. C. 1920 A, 354 (Arctomys).
Brown, B. 1908 A, 192 (Arctomys).
Cope, E. D. 1895 G, 596 (Arctomys).
Coues, E. 1883 A, 123, fig. 66 (Arctomys).
Cuvier, F. 1822 A, 293, 297 (Arctomis empetra).
Dewey, M. 1918 A, 143, fig. 5 (Arctomys).
Elliot, D. G. 1901 A, 105, fig. 24 (Arctomys).
Fischer, J. B. 1829 A, 342 (Arctomys).
Foote, J. S. 1916 A, 137, pl. xix (Arctomys).
Frech and Geinitz 1903 A, 36 (Arctomys).
Gidley, J. W. 1913 B. 96 (This species?).
1920 B, 282 ("woodchucks." This species?).
Giebel, C. G. 1883 A, pl. xxii, fig. 1 (Arctomys).
Hay, O. P. 1914 A, 32, 38.
1920 B, 93, 105, 116.
1921 A, 612, pl. cxvii, figs. 2, 6, 8, 10; pl. cxviii, figs. 3, 4.
1923 A, 489.
1928 C, 429.
Howell, A. H. 1915 A, 1-36, pls. iii-vi, xi, xii; text-fig. 1.
Leidy, J. 1857 J, 100 (Arctomys).
Leighton, M. M. 1921 A, 513.
Mercer, H. C. 1894 A, 98 ("woodchuck").
Miller, G. S. 1912 B, 293.
1924 C, 173.
Rhoads, S. N. 1903 A, 243 (Arctomys).
Seton, E. T. 1909 A, 416; text-figs. 125, 126, maps 22, 23.
Trouessart, E. L. 1904 A, 344.
Whitney, J. D. 1862 A, 136 (Arctomys).
Recent; New York to Georgia northwest to Alaska: Pleistocene; Arkansas, Pennsylvania, Virginia, Illinois, Maryland.

Marmota nevadensis (Kellogg).

Kellogg, L. 1910 A, 422, figs. 1, 2 (Arctomys).
Merriam, J. C. 1911 B, 211, 214, 253 (Arctomys).
1917 A, 429 (Arctomys).
Pliocene (Thousand Creek); Nevada.

Marmota sp. indet.

Cragin, F. W. 1899 A, 610 ("woodchuck"). Pleistocene; Colorado.
1900 A, 23 ("woodchuck"). Pleistocene; Colorado.
Furlong, E. L. 1904 A, 54.
1906 A, 243. Pleistocene (Samwel Cave); California.
Miller, L. H. 1912 A, 70, 73 ("Arctomys sp."). Pleistocene (Potter Creek Cave and Samwel Cave); California.
Sinclair, W. J. 1904 A, 17 ("Arctomys sp."). Pleistocene; California.

Otospermophilus Brandt. Type *Sciurus grammurus* Say.

Brandt, J. F. 1844, Bull. Acad. Sci. St. Pétersb., II, 379.
Miller, G. S. 1912 B, 295 (Citellus).
1924 C, 179.

Otospermophilus gidleyi Merriam, Stock, Moody.

Merriam, Stock, Moody 1925 A, 58, 68, fig. 23.
Pliocene (Rattlesnake); Oregon.

Otospermophilus grammurus douglasii (Richardson).

Richardson, J. 1829, Fauna Bor.-Amer., I, 172 (Arctomys).
Elliot, D. G. 1901 A, 89 (Spermophilus g. douglasi).
Furlong, E. L. 1904 A, 54, 55 (Citellus douglasi).
1906 A, 243, 245 (Citellus douglasi).
Hay, O. P. 1927 D, 171, 172, 214, 215 (Citellus beecheyi douglasi).
Kellogg, L. 1912 A, 155 (Citellus beecheyi douglasi).
Merriam and Stock 1925 A, 10 (Citellus beecheyi douglasi).
Miller, G. S. 1912 B, 299 (Citellus).
1924 C, 181.
Miller, L. H. 1912 A, 73 (Citellus douglasi); 70 (Spermophilus douglasi).
1912 B, 299 (Citellus).
1924 C, 181.
Scharff, R. F. 1911 A, 61 (Citellus douglasi).
Sinclair, W. J. 1903 A, 711 (Spermophilus douglasi).
1904 A, 17 (Spermophilus douglasi).
Stock, C. 1925 A, 113, 118 (Citellus beecheyi douglasi).
Pleistocene (Caves); California.

Otospermophilus grammurus fisheri Merriam.

Merriam, C. H. 1893, Proc. Biol. Soc. Wash., VIII, 133 (Spermophilus beecheyi fisheri).
Baird, S. F. 1857 A, 307, pl. iii, fig. 2; pl. xlvi, fig. 3 (Spermophilus beecheyi).
Dice, L. R. 1925 A, 125 (Citellus beecheyi fisheri).

Hay, O. P. 1927 D, 183, 190 (Citellus beecheyi captus); 183 (C. beecheyi fisheri).
Kellogg, L. 1912 A, 164, figs. 12-15 (Citellus beecheyi captus).
Mearns, E. A. 1907, Mamm. Mex. Bound. U. S., pt. 1, 315 (Otospermophilus grammurus).
Miller, G. S. 1912 B, 299 (Citellus grammurus fisheri).
1924 C, 181.
Richardson, J. 1829 A, 170 [Arctomys (Spermophilus) beecheyi].
Say, T. 1823, Long's Exped. Rocky Mts., II, 72 (Sciurus grammurus).

Recent; California: Pleistocene (La Brea); California.

Inasmuch as the relationships of the subspecies *fisheri* are uncertain, citations are made to both species *grammurus* and *beecheyi*. The statement as to locality and geological age refers only to the subspecies *fisheri*.

CYNOMYS Rafinesque. Type *Arctomys ludovicianus* Ord.

Rafinesque, C. S. 1817, Amer. Month. Mag., II, 45.
Abel, O. 1921 A, 263.
Allen, J. A. 1892 A.
Ameghino, F. 1903 A, 118.
Cockerell and Miller 1914 A, 367, figs. 77-81.
Coues, E. 1883 A, 123.
Elliot, D. G. 1901 A, 102.
Haug, E. 1911 A, 1706, 1886.
Heilprin, A. 1887 A, 359.
Höfer, H. 1911 A, 447.
Hollister, N. 1916 A, 1, 10.
Leunis and Ludwig 1883 A, 215.
Lilljeborg, W. 1866 A, 40.
Lönnberg, E. 1910 A, 119.
Lydekker, R. 1910 E, 352.
Matthew, W. D. 1909 C, 118.
1910 B, 71.
1915 K, 402.
Merriam, C. H. 1892 A, 61.
Miller, G. S. 1912 B, 294.
1924 C, 196.
Osborn, H. F. 1905 I, 110.
1909 D, 85.
1910 B, 457.
Palmer, T. S. 1904 A, 212, 864.
Scharff, R. F. 1911 A, 148.
Shimer, H. W. 1903 A, 824.
Taschenberg, O. 1899 A, 4536.
Thomas, O. 1916 A, 303.
Trouessart, E. L. 1904 A, 342.
Troxell, E. L. 1922 A, 124, 128.
Weber, M. 1904 A, 497.
Winge, H. 1888 A, 109.
1924 A, 9, 83, 84.
Zittel and Schlosser 1923 A, 510.

Cynomys ludovicianus (Ord).

Ord, G. 1815, Guthrie's Geogr., 2d Amer. ed., II, 292, 302 (Arctomys).
Ameghino, F. 1903 A, 118, figs. 36, 56.
Coues, E. 1883 A, 123, fig. 67.
Elliot, D. G. 1901 A, 102, fig. 23.
Foote, J. S. 1916 A, 96, pl. ix.
Fraas, E. 1902 C, lxvii (Cercomys).
Hay, O. P. 1914 A, 26 (This species?).
1921 A, 616.
1928 C, 425.
Hollister, N. 1916 A, 14-21, pls. i, ii, v-vii.
Lobley, J. L. 1908 A, 196.
Lydekker, R. 1905 F, 134.
Mansuy, —— 1923 A, 103 (C. lupovicianus).
Matthew, W. D. 1902 F, 317 (This species?).
1918 A, 227 (This species?).
Miller, G. S. 1912 B, 294.
1924 C, 196.
Trouessart, E. L. 1904 A, 342 (Syn. of C. socialis).

Recent; Great Plains from northern Montana to Texas and Arizona: Pleistocene (Sheridan); Nebraska.

Cynomys niobrarius Hay.

Hay, O. P. 1921 A, 615, pl. cxxii, fig. 7.

Pleistocene (Middle?); Washington.

Cynomys sp. indet.

Hay, O. P. 1924 D, 304. Pleistocene; Nebraska.
Matthew, W. D. 1909 C, 116. Lower Pliocene? (Republican River); Kansas.
1918 A, 228. Pleistocene (Aftonian); Nebraska.
Merriam, J. C. 1917 A, 438.

TAMIAS Illiger. Type *Sciurus striatus* Linnæus.

Hay, O. P. 1902 A, 720.
Abel, O. 1921 A, 263.
Allen, J. A. 1892 A.
Brunner, J. 1905 A, 264 ("chipmunk").
Coues, E. 1883 A, 126.
Cuvier, F. 1825 A, 162 ("tamias").
Doran, A. H. G. 1878 A, 408, pl. lx.
Elliot, D. G. 1901 A, 67.
Gegenbaur, C. 1864 C, 187.
Giebel, C. G. 1883 A, pl. xxii.
Gottlieb, H. 1914 A, 204.
Heilprin, A. 1887 A, 359, 365.
Höfer, H. 1911 A, 447.
Leunis and Ludwig 1883 A, 214.
Lilljeborg, W. 1866 A, 39.
Matschie, P. 1901 A, 315.
Matthew, W. D. 1910 B, 71.
1915 K, 402.
Merriam, C. H. 1892 A, 62.
Miller, G. S. 1912 B, 318.
Palmer, T. S. 1904 A, 661, 867.
Pocock, R. I. 1923 A, 209.
Seton, E. T. 1909 A, 337.
Tornier, G. 1891 A, 119.
Waterhouse, G. R. 1839 C, 172.
Weber, M. 1904 A, 497.
Weber and Abel 1928 A, 274.
Winge, H. 1888 A, 109, 139.
1924 A, 8, 82, 84.
Zittel and Schlosser 1911 A, 426.
1923 A, 510.

Tamias lævidens Cope.

Hay, O. P. 1902 A, 720.
1923 A, 353.
Palmer, T. S. 1904 A, 282 (Eutamias).
Trouessart, E. L. 1904 A, 330 (Eutamias).
Pleistocene (Middle); Virginia.

Tamias nasutus Brown.

Brown, B. 1908 A, 193, pl. xx.
Hay, O. P. 1914 A, 32.
1924 D, 251.
Pleistocene (Middle); Arkansas.

Tamias striatus Linnæus.

Linnæus, C. 1758 A, 64 (Sciurus).
Hay, O. P. 1902 A, 720.
Brandt and Woldrich 1887 A, 58.
Coleman, A. P. 1901 B, 129, 137.
1901 C, 224.
Coues, E. 1883 A, 125.
Doran, A. H. G. 1878 A, 408, pl. lx, fig. 9.
Elliot, D. G. 1901 A, 80.
Fischer, J. B. 1829 A, 348 (Sciurus).
Hay, O. P. 1920 B, 93.
1923 A, 497.
Johnson, W. A. 1917 A, 25 ("chipmunk").
Jordan, D. S. 1905 B, 547.
Leidy, J. 1889 H, 5.
Mercer, H. C. 1894 A, 98.
Miller, G. S. 1912 B, 318.
Rhoads, S. N. 1903 A, 242.
Seton, E. T. 1909 A, 337, pl. xxxii; text-fig. 117.
Trouessart, E. L. 1897 A, 432.
Recent; eastern North America: Pleistocene; Ontario, Pennsylvania, Tennessee.

DIPLOLOPHUS Troxell. Type *D. insolens* Troxell.

Troxell, E. L. 1923 C, 157.

Diplolophus insolens Troxell.

Troxell, E. L. 1923 C, 157, figs. 1, 2.
Middle Oligocene; Nebraska.

SCIURUS Linnæus. Type *S. vulgaris* Linnæus.

Hay, O. P. 1902 A, 719.
Adloff, P. 1903 A, 367.
1904 A, 143.
1907 A, 534.
1910 A, 258.
Ahrens, H. 1912 B, 49.
Alezais, H. 1902 A, 586 ("écureuil").
Allen, J. A. 1892 A.
1898 A, 249.
1903 A.
Ameghino, F. 1889 A, 1024.
1903 A, 129.
1906 A, 243.
Anthony, R. 1910 A, 781 ("écureuil").
1912 A ("écureuil").
Arldt, T. 1907 D, 237, 298.
Bangs, O. 1896 D, 145.
Bardeleben, K. 1904 A, 111.
Berthold, A. A. 1825 A, 919, 988.
Beyer, H. 1908 A, 96 ("eichhörnchen").
Bolk, L. 1913 A, 88, fig. 68.
Bovero, A. 1905 A, 119.
Brandt and Woldrich 1887 A, 57.
Brauer, A. 1914 A, 282.
Bronn, H. G. 1849 A, 717, 783, seq.
Brubacher, H. 1892 A, 3 ("eichhörnchen").
Brunner, J. 1905 A, 264 ("squirrel").
Carlsson, A. 1922 A.
Cleland, J. 1863 B, 30 ("squirrel").
Cockerell and Miller 1914 A, 369, figs. 95-97.
Cope, E. D. 1880 U, 158.
Coues, E. 1883 A, 122, 128.
Cuvier, G. 1805 A.
1825 A, v, 1, 9, 28, pl. i.
Depéret, C. 1912 A, 708.
Dieterich, K. 1841 A, 80.
Doran, A. H. G. 1878 A, 408, pl. lx.
Eggeling, H. 1904 A, 93.
Eimer, G. H. T. 1901 A, 257 ("eichhörnchen").
Elliot, D. G. 1901 A, 50.
Erdl, M. 1843 A, 524, pl. i.
Fischer, J. B. 1829 A, 348.
Foote, J. S. 1916 A, 115, pl. xiv.
Frassetto, F. 1915 A, 66.
Frech, F. 1906 A, 484.
Freund, P. 1892 A, 542.
1893 A, 317.
Gaupp, E. 1912 B, 235.
1913 A, 125.
Gegenbaur, C. 1864 C, 187.
1865 C, 558, figs. 9, 10.
Gervais, P. 1852 A, 18.
1859 A, 25.
Giebel, C. G. 1855 A, 45, pl. xx.
1883 A, pl. xxii, xlvii, lxxvii, lxxxiv.
Gottlieb, H. 1914 A, 204.
Hasse and Schwarck 1870 A, 118.
Heilprin, A. 1887 A, 358, 364, 365.
Heinick, P. 1908 A, 390.
Höfer, H. 1911 A, 445, 446, pl. xix, figs. 10, 11.
Hoernes, R. 1886 A, 692.
Holland, W. J. 1912 B, 750.
Howes, G. B. 1893 C, 589, fig. 1.
Hue, E. 1907 A, pl. xlvii.
Köstlin, O. 1844 A.
Kraglievich, L. 1926 C, 47.
Krumbach, T. 1904 A, 281, figs. 11-15.
Lapicque and Girard 1907 A, 1016.
Leche, W. 1887 A.
Leunis and Ludwig 1883 A, 213.
Lilljeborg, W. 1866 A, 38.
Lull, R. S. 1922 C, 603.
Matschie, P. 1901 A, 315.
Matthew, W. D. 1901 B, 369.
1909 C, 118.
1910 B, 71.
1915 K, 402, 466.
1924 C, 74.
Meckel, J. F. 1825 A, 402, 466.
Merriam, C. H. 1892 A, 62.
Miller, G. S. 1912 A, 898.
1912 B, 319.
1924 C, 209.
Nehring, A. 1880 A.

Osborn, H. F. 1907 G, 146, fig. 105.
1909 D, 90.
1910 B, 631.
Owen, R. 1845 B, 407, pl. cv, fig. 1; pl. cvii, fig. 1.
Palacký, J. 1902 B, 142.
Palmer, T. S. 1904 A, 625, 866.
Pander and Alton 1823 B, 6, pl. iv ("eichhörnchen").
Paulli, S. 1900 B, 514.
Pictet, F. J. 1853 A, 236.
Pocock, R. I. 1923 A, 209-246, fig. 19.
Pouchet and Chabry 1884 A, 172 ("écureuil").
Rehs, J. 1914 A, 69, 94.
Retterer and Vallois 1912 B, 411.
Römer, F. 1907 A, 74.
Scharff, R. F. 1895 A, 467.
Schlosser, M. 1902 I, 738.
Scott, W. B. 1913 A, 164.
Seton, E. T. 1909 A, 307.
Simpson, G. G. 1926 D, 248.
Taschenberg, O. 1899 A, 4675.
Terra, P. 1911 A, 296, figs. 119, 126.
Thomas, O. 1915 A, 383.
Tims, H. W. M. 1901 A, 278.
1902 A, 337.
Tornier, G. 1891 A, 182.
Trouessart, E. L. 1880, Le Naturaliste, 292 (Parasciurus, Neosciurus, Tamiasciurus).
1904 A, 309.
Troxell, E. L. 1923 D, 385, 396.
Van den Broeck, A. J. P. 1912 A, 57.
Wagner, A. 1841 A, 116.
Waterhouse, G. R. 1839 C, 172.
1839 D, 94, fig.
Weber, M. 1904 A, 497, 512.
Weber and Abel 1928 A, 245, 250, 273, figs. 159, 165.
Winge, H. 1888 A, 137.
1924 A, 8, 82, 84, 170.
Zittel and Schlosser 1911 A, 426.
1923 A, 510.

Sciurus aberti Woodhouse.

Woodhouse, S. W. 1885, Proc. Acad. Nat. Sci. Phila., VII, 1884 (1885), 595.
Matthew, W. D. 1923 A, 12 (This species?).
1924 C, 66, 84 (This species?).
Miller, G. S. 1912 B, 533.
Recent; Colorado to New Mexico, Arizona, and Mexico: Pliocene (Snake Creek); Nebraska.

Sciurus arctomyoides Douglass.

Douglass, E. 1903 A, 154, 181, fig. 22.
Matthew, W. D. 1909 C, 116.
Trouessart, E. L. 1904 A, 318 [S. (Parasciurus)].
Miocene (Arikaree); Montana.

Sciurus calycinus Cope.

Hay, O. P. 1902 A, 719.
Baker, F. C. 1920 A, 208, 214, 396.
Haug, E. 1911 A, 1886 (C. calicinus).
Hay, O. P. 1923 A, 312.
Osborn, H. F. 1910 B, 469.
Rhoads, S. N. 1903 A, 242.
Trouessart, E. L. 1904 A, 318 [S. (Parasciurus)].
Schlosser, M. 1902 H, 140.
Pleistocene (Early); Pennsylvania.

Sciurus carolinensis Gmelin.

Gmelin, J. F. 1788, syst. Nat. I, 148.
Hay, O. P. 1902 A, 719.
Bangs, O. 1896 D, 153, pl. ix.
Doran, A. H. G. 1878 A, 408.
Elliot, D. G. 1901 A, 53-54, fig. 16.
Hay, O. P. 1920 B, 92, 105.
1923 A, 495.
Leidy, J. 1889 H, 5.
Loomis, F. B. 1907 A, 125.
Mercer, H. C. 1894 A, 98 ("gray squirrel").
Miller, G. S. 1912 B, 332.
1924 C, 223.
Pocock, R. I. 1923 A, 212.
Rhoads, S. N. 1903 A, 242.
Trouessart, E. L. 1904 A, 319 [S. (Neosciurus)].
Recent; New York to Florida and west to Missouri and Oklahoma: Pleistocene? (Late); Pennsylvania, Tennessee.

Sciurus douglasii albolimbatus Allen.

Allen, J. A. 1898, Bull. Amer. Mus. Nat. Hist., X, 453 (S. hudsonius alb.).
1898 A, 278 (S. d. californicus).
Elliot, D. G. 1901 A, 66 (S. douglasi alb.).
Hay, O. P. 1927 D, 214, 215.
Kellogg, L. 1912 A, 157 (S. douglasi alb.).
Merriam and Stock 1925 A, 10.
Miller, G. S. 1912 B, 322.
1924 C, 213.
Miller, L. H. 1912 A, 70 (S. hudsonicus alb.).
Sinclair, W. J. 1903 A, 711 (S. hudsonicus alb.).
1904 A, 17 (S. hudsonicus alb.).
Stock, C. 1925 A, 113.
Recent; Sierra region of Oregon and northern California: Pleistocene; California.

Sciurus griseus Ord.

Ord, G. 1818, Jour. de Phys., LXXXVII, 152.
Hay, O. P. 1927 D, 214 (S. g. fossilis).
Kellogg, L. 1912 A, 156, fig. 12 (S. g. fossilis).
Miller, G. S. 1912 B, 332.
1924 C, 222.
Stock, C. 1918 A, 469 (S. g. fossilis).
1925 A, 113 (S. g. fossilis).
Recent; Washington to Lower California: Pleistocene (Cave deposits); California.

Sciurus hudsonicus (Erxleben).

Erxleben, J. C. P. 1877, Syst. Regni Anim., I, 416.
Allen, J. A. 1898 A, 255.
Bangs, O. 1896 D, 159, pl. x, figs. 1, 2.
Brown, B. 1908 A, 192, pl. xx.
Coues, E. 1883 A, 129.
Elliot, D. G. 1901 A, 60, fig. 15.
Fischer, J. B. 1829 A, 349.
Frech, F. 1906 A, 484.
Gidley, J. W. 1913 B, 96.
Hay, O. P. 1914 A, 32.
1920 B, 92, 105.
1923 A, 348, 350.
1924 D, 251 (Sciurus).
Miller, G. S. 1912 B, 319.
1924 C, 209.
Pocock, R. I. 1923 A, 213, fig. 18 (Tamiasciurus).

Seton, E. T. 1909 A, 307, text-figs. 108-117, map 13.
Trouessart, E. L. 1904 A, 320 [S. (Tamiasciurus) hudsonius].
Recent; greater part of the United States, western British America, Alaska: Pleistocene; Maryland, Arkansas, Tennessee.

Sciurus panolius Cope.

Hay, O. P. 1902 A, 719.
1923 A, 353.
Trouessart, E. L. 1904 A, 318 [S. (Parasciurus)].
Pleistocene; Virginia.

Sciurus? saskatchewanensis Lambe.

Lambe, L. M. 1908 A, 11, 55, pl. vii, figs. 16, 17.
Oligocene (Cypress Hills); Saskatchewan.

Sciurus tenuidens Hay.

Hay, O. P. 1920 B, 104, pl. iv, fig. 20.
1923 A, 348.
Pleistocene (Middle); Maryland.

Sciurus sp. indet.

Douglass, E. 1903 A, 3, 181, fig. 21. Miocene; Montana.
Furlong, E. L. 1904 A, 54, 55.
1906 A, 243, 245. Pleistocene (Samwel Cave); California.
Gidley, J. W. 1920 B, 282. Pleistocene (Middle); Maryland.
Hay, O. P. 1923 A, 321. Pleistocene (Early); Pennsylvania.
Matthew, W. D. 1909 C, 114. Miocene (Middle); Montana.
Miller, L. H. 1912 A, 73. Pleistocene (Samwel Cave); California.

PTEROMYINÆ Major.

Major, C. J. F. 1893 A, 187.
Hay, O. P. 1902 A, 718.
Arldt, T. 1912 A, 742.
Flower and Lydekker 1891 A, 453 ("flying squirrels").
Miller, G. S. 1912 B, 339 (Petauristidæ).
1924 C, 230.
Miller and Gidley 1918 A, 433.
Vogt, C. 1879 A, 246 ("écureuils volants").
Weber, M. 1904 A, 498.

GLAUCOMYS Thomas. Type *Mus volans* Linnæus.

Unless otherwise indicated the authors, as quoted, use for this genus the name *Sciuropterus*.

Thomas, O. 1908 B, 5 (Glaucomys).
Allen, J. A. 1877 A, 653.
1892 A.
1903 A.
Bangs, O. 1896 D, 162.
Beddard, F. E. 1902 A, 467.
Claus, C. 1895 A, 351 (Pteromys).
Coues, E. 1883 A, 130.
Cuvier, F. 1825 A, 161, 255.
Döderlein, L. 1900 B, 54.
Doran, A. H. G. 1878 A, 409, pl. lx (Pteromys).
Elliot, D. G. 1901 A, 107.
Frech, F. 1906 A, 484.
Heilprin, A. 1887 A, 359.
Kampfen, P. N. 1905 A, 555.
Kraglievich, L. 1926 C, 47 (Sciuromys).
Leche, W. 1921 A, 70.
Lilljeborg, W. 1866 A, 39.
Lull, R. S. 1917 B, 363.
Merriam, C. H. 1892 A, 62.
Miller, G. S. 1912 B, 339.
1924 C, 230.
Osborn, H. F. 1910 B, 631.
Palmer, T. S. 1904 A, 625, 866.
Scharff, R. F. 1895 A, 467.
1911 A, 63.
Scott, W. B. 1913 A, 164.
Seton, E. T. 1909 A, 437, map 24.
Vicq-d'Azyr, F. 1792 A, 322 (Sciurus).
Winge, H. 1924 A, 8, 82, 170.
Young, G. W. 1915 A, 257.
Zittel and Schlosser 1911 A, 426.
1923 A, 510.

Glaucomys sabrinus klamathensis (Merriam).

Merriam, C. H. 1897, Proc. Biol. Soc. Wash., XI, 225 (Sciuropterus alpinus klam.).
Elliot, D. G. 1901 A, 111 (S. volans klam.).
Hay, O. P. 1927 D, 214, 215 (Sciuropterus alpinus klam.).
Howell, A. H. 1918 A, 52, pls. iii, v, vii.
Kellogg, L. 1912 A, 157, fig. 6 (Sciuropterus alpinus klam.).
Merriam and Stock 1925 A, 10 (Sciuropterus alpinus klam.).
Miller, G. S. 1912 B, 339 (Sciuropterus).
1924 C, 235.
Miller, L. H. 1912 A, 70 (S. a. k.).
Sinclair, W. J. 1904 A, 17 (S. a. k.).
Stock, C. 1925 A, 113 (Sciuropterus alpinus klam.).
Recent; region about Klamath County, Oregon: Pleistocene (Potter Creek Cave); California.

Glaucomys volans (Linnæus).

Linnæus, C. 1758 A, 63 (Mus).
Allen, J. A. 1877 A, 655 (Sciuropterus volucella).
Bangs, O. 1896 D, 164, fig. 31 (Sciuropterus).
Coues, E. 1883 A, 130, fig. 70 (Sciuropterus volucella).
Gidley, J. W. 1913 B, 96 (S. alpinus?).
Hay, O. P. 1923 A, 350 (Sciuropterus alpinus. This species?).
Howell, A. H. 1918 A, 18-29, pls. i-vi; text-fig. 2.
Miller, G. S. 1912 B, 341 (Sciuropterus).
1924 C, 230.
Thomas, O. 1908 B, 6 [S. (Glaucomys)].
Recent; eastern United States: Pleistocene; Maryland.

GEOMYIDÆ Gill.

Gill, T. 1872 B, 21.
Hay, O. P. 1902 A, 730.
Abel, O. 1912 F, 84 ("geomyiden").
Adams, C. C. 1902 B, 355 ("gophers").
1905 A, 64 ("pocket gophers").
Arldt, T. 1907 D, 655.
1912 A, 698, 742 (Geomyidæ); 698 (Protoptychidæ).
Beddard, F. E. 1902 A, 483.
Brauer, A. 1914 A, 282.
Carus, V. 1875 A, 100 (Geomyina).
Chandler, A. C. 1914 B, 134.
Cockerell and Miller 1914 A, 371.
Cope, E. D. 1880 U, 156 (Saccomyidæ).
Coues, E. 1883 A, 96 (Saccomyidæ); 98 (Geomyidæ).
Doran, A. H. G. 1878 A, 413 (Saccomyidæ).
Elliot, D. G. 1901 A, 215.
Frech, F. 1906 A, 484.
Gill, T. 1885 B, 18.
Grant, M. 1904 B, 195, 205.
Höfer, H. 1911 A, 449 (Geomyoidea).
Kampfen, P. N. 1905 A, 555.
Kraglievich, L. 1926 C, 47 (Geomyoidea).
Leche, W. 1887 A (Saccomyidæ).
Leunis and Ludwig 1883 A, 217.
Lilljeborg, W. 1866 A, 32 (Sallomydidæ).
Lobley, J. L. 1908 A, 205 (Saccomyidæ).
Matthew, W. D. 1907 A, 211, 212.
1909 C, 99, 101, 107, 110, 112, 114, 116, 119.
1910 B, 66, 70.
1915 A, 229.
Miller, G. S. 1912 B, 233.
1924 C, 236.
Miller and Gidley 1918 A, 433 (Geomyidæ); 434 (Geomyinæ).
Osborn, H. F. 1909 D, 126.
1910 B, 230, 248, 357.
Palmer, T. S. 1904 A, 742, 848.
Rehs, J. 1914 A, 94 (Geomyoidei).
Schlosser, M. 1902 I, 708.
1911 A, 166 ("geomyiden").
Schwarz, E. 1924 A, 422 ("gophers").
Sclater, P. L. 1875 A, 219 (Saccomyidæ).
Scott, W. B. 1913 A, 265.
Seton, E. T. 1904 A, 301.
1909 A, 561.
Taschenberg, O. 1899 A, 4583.
Terra, P. 1911 A, 301.
Trouessart, E. L. 1904 A, 467.
Wallace, A. R. 1894 A, 436.
Weber, M. 1904 A, 490, 498 (Geomyoidea).
Weber and Abel 1928 A, 276, 297.
Winge, H. 1924 A, 9, 88, 90 (Geomyini).
Zittel and Schlosser 1911 A, 427 (Geomyoidea).
1923 A, 511 (Geomyoidea).

ENTOPTYCHINÆ Miller and Gidley.

Miller and Gidley 1918 A, 434.

ENTOPTYCHUS Cope. Type *E. cavifrons* Cope.

Hay, O. P. 1902 A, 731.
Matthew, W. D. 1907 A, 175, 211.
1909 C, 110.
1910 B, 72.
O'Harra, C. C. 1910 A, 88, 133.
Osborn, H. F. 1909 D, 68, 75.
1910 B, 536.
1912 G, 249.
Palmer, T. S. 1904 A, 261, 849.
Schlosser, M. 1899 D, 166.
Seeley, H. G. 1886 A, 515.
Trouessart, E. L. 1904 A, 475.
Weber, M. 1904 A, 511.
Weber and Abel 1928 A, 277.
Winge, H. 1888 A, 109, 138.
1924 A, 9, 89, 90.
Zittel and Schlosser 1923 A, 511, 672.

Entoptychus cavifrons Cope.

Hay, O. P. 1902 A, 731.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185, 188, 190, 191, 192.
Sinclair, W. J. 1905 A, 127.
Trouessart, E. L. 1904 A, 475.
Oligocene (Upper); Oregon.

Entoptychus crassiramis Cope.

Hay, O. P. 1902 A, 731.
Cope, E. D. 1891 N, 73, fig. 44.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185, 188, 190.
Sinclair, W. J. 1905 A, 127.
Trouessart, E. L. 1904 A, 475.
Oligocene (Upper); Oregon.

Entoptychus curtus Matthew.

Matthew, W. D. 1907 A, 171, 172, 213.
1909 C, 112.
O'Harra, C. C. 1920 A, 156.
Miocene (Lower); South Dakota.

Entoptychus formosus Matthew.

Matthew, W. D. 1907 A, 171, 172, 212, figs. 24-26.
1909 C, 112.
O'Harra, C. C. 1920 A, 156.
Miocene (Lower); South Dakota, Nebraska?.

Entoptychus lambdoideus Cope.

Hay, O. P. 1902 A, 731.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185, 189, 190.
Sinclair, W. J. 1905 A, 126.
Trouessart, E. L. 1904 A, 475.
Oligocene (Upper); Oregon.

Entoptychus minimus Kellogg.

Kellogg, L. 1910 A, 431, fig. 15.
Merriam, J. C. 1911 B, 211, 213, 214, 253, 254.
1917 A, 429.
Miocene? (Thousand Creek); Nevada.

Entoptychus minor Cope.

Hay, O. P. 1902 A, 731.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185, 188, 189, 190.
Sinclair, W. J. 1905 A, 127.
Trouessart, E. L. 1904 A, 475.
Oligocene (Upper); Oregon.

Entoptychus planifrons Cope.

Hay, O. P. 1902 A, 731.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185, 188, 189, 190, 191, 192.
Sinclair, W. J. 1905 A, 126.
Oligocene (Upper); Oregon.

Entoptychus rostratus Sinclair.

Sinclair, W. J. 1905 A, 128, pl. xiv, figs. 8, 9.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185, 191, 192.
Oligocene (Upper); Oregon.

Entoptychus sperryi Sinclair.

Sinclair, W. J. 1905 A, 126, pl. xiv, figs. 6, 7.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185, 191, 192.
Oligocene (Upper); Oregon.

Entoptychus sp. indet.

Cook, H. J. 1912 D, 40. Miocene (Lower Harrison); Nebraska.

GEOMYINÆ.

Miller, G. S. 1924 C, 236.
Weber and Abel 1928 A, 277.
Zittel and Schlosser 1911 A, 427 (Geomyinæ).
1923 A, 511 (Geomyinæ).

PLEUROLICUS Cope. Type *P. sulcifrons* Cope.

Hay, O. P. 1902 A, 731.
Matthew, W. D. 1907 A, 211, 214.
1909 C, 110.
1910 B, 72.
Osborn, H. F. 1910 B, 536.
Palmer, T. S. 1904 A, 550, 849.
Schlosser, M. 1899 D, 166.
Trouessart, E. L. 1904 A, 475.
Weber and Abel 1928 A, 277.
Winge, H. 1888 A, 109, 138.
1924 A, 9, 89, 90.
Zittel and Schlosser 1923 A, 511, 672.

Pleurolicus diplophysus Cope.

Hay, O. P. 1902 A, 731.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185.
Trouessart, E. L. 1904 A, 475.
Oligocene (Upper); Oregon.

Pleurolicus leptophrys Cope.

Hay, O. P. 1902 A, 731.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185, 189, 190.
Trouessart, E. L. 1904 A, 475.
Oligocene (Upper); Oregon.

Pleurolicus sulcifrons Cope.

Hay, O. P. 1902 A, 731.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185.
Trouessart, E. L. 1904 A, 475.
Oligocene (Upper); Oregon.

Pleurolicus? sp. indet.

Merriam and Sinclair 1907 A, 188, 190. Oligocene (John Day); Oregon.

THOMOMYS Wied. Type *T. rufescens* Wied.

Hay, O. P. 1902 A, 730.
Allen, J. A. 1892 A.
Bailey, V. 1915 A, 410.
1915 B.
Baker, F. C. 1920 A, 209, 214, 396.
Beddard, F. E. 1902 A, 483.
Cockerell and Miller 1914 A, 371, figs. 108-110.
Cope, E. D. 1893 S, 560.
1895 G, 599.
Coues, E. 1883 A, 99.
Dall and Harris 1892 A, 284.
Elliot, D. G. 1901 A, 221.
Frech, F. 1906 A, 484.
Haug, E. 1911 A, 1886.
Höfer, H. 1911 A, 450.
Holliger, C. D. 1916 A, 447.
Lilljeborg, W. 1866 A, 32, 34.
Matthew, W. D. 1907 A, 175, 211.
1910 B, 72.
1915 K, 402.
1924 C, 74.
Merriam, C. H. 1892 A, 61.
Miller, G. S. 1912 B, 233.
1924 C, 236.
Osborn, H. F. 1905 I, 110.
1909 D, 85.
1910 B, 457, 460, 477, 536.
Scott, W. B. 1913 A, 164.
Seton, E. T. 1904 A, 301.
1909 A, 561.
Simpson, G. G. 1928 H, 3.
Trouessart, E. L. 1904 A, 471.
Wagner, A. 1841 A, 123.
Weber, M. 1904 A, 499.
Winge, H. 1888 A, 109, 138, 156.
1924 A, 9, 89, 90.

Thomomys bottæ bottæ (Eydoux and Gervais).

Eydoux and Gervais 1836, Mag. de Zool., VI, 23 [Oryctomys (Saccophorus)].
Miller, G. S. 1912 B, 239.
1924 C, 237.
Stock, C. 1925 A, 118.
Recent; Coast region of California: Pleistocene (Upper San Pedro); California.

Thomomys bottæ leucodon Merriam, C. H.

Merriam, C. H. 1897, Proc. Biol. Soc. Wash., XI, 215 (T. leucodon).
Bailey, V. 1915 B, 47, pl. ii, fig. 11, pl. iii, fig. 5.
Elliot, D. G. 1901 A, 223 (T. leucodon).
Hay, O. P. 1927 D, 214, 215 (T. leucodon).
Holliger, C. D. 1916 A, 447, pls. xxxviii-xxxix; text-figs. 1-20 (T. bottæ).
Kellogg, L. 1912 A, 161, figs. 8-10 (T. leucodon).
Merriam and Stock 1925 A, 10 (T. leucodon).
Miller, G. S. 1912 B, 239 (T. leucodon).
1924 C, 237.
Miller, L. H. 1912 A, 70 (T. leucodon).
Sinclair, W. J. 1903 A, 711 ("Thomomys, near leucodon").
1904 A, 17 (T. leucodon).
Stock, C. 1918 A, 468, 469 (T. leucodon).
1925 A, 113.
Trouessart, E. L. 1897 A, 575 (G. bottæ); 1336 (G. leucodon).
Recent; southwestern Oregon and northern California: Pleistocene (Caves); California.

Thomomys bottæ occipitalis Dice.

Dice, L. R. 1925 A, 125.
Hay, O. P. 1927 D, 183 (T. b. occ.; T. beecheyi pallescens).
Kellogg, L. 1912 A, 167 (T. b. pallescens).
Pleistocene (La Brea); California.

Thomomys bottæ pallescens Rhoads.

Rhoads, S. N. 1895, Proc. Acad. Nat. Sci. Phila., 36.
Hay, O. P. 1927 D, 172 (T. bottæ); 190 (T. b. pallescens).
Kellogg, L. 1912 A, 167.
Miller, G. S. 1912 B, 235.
1924 C, 239.
Trouessart, E. L. 1897 A, 576.
Recent; southern California: Pleistocene (La Brea); California.

Thomomys bulbivorus (Richardson).

Hay, O. P. 1902 A, 730.
Bailey, V. 1915 B, 40, pl. ii, fig. 1; pl. iii, fig. 1.
Elliot, D. G. 1901 A, 222.
Hay, O. P. 1927 D, 242.
Miller, G. S. 1912 B, 242.
1924 C, 254.
Osborn, H. F. 1910 B, 460.
Recent; western Oregon: Pleistocene (Fossil Lake); Oregon.

Thomomys fuscus Merriam.

Merriam, C. H. 1891, N. A. Fauna, No. 5, 70 (T. clusius fuscus).
Hay, O. P. 1921 A, 613, pl. cxviii, figs. 9, 10.
1927 D, 259.
Merriam, C. H. 1901, Proc. Biol. Soc. Wash., XIV., 111 (T. fuscus).
Miller, G. S. 1912 B, 238.
1924 C, 253.
Recent; British Columbia, Idaho, Montana, Wyoming, Washington, Oregon: Pleistocene; Oregon.

Thomomys microdon Sinclair.

Sinclair, W. J. 1905 B, 146, pl. xix, figs. 1-3.
Hay, O. P. 1927 D, 214, 215.
Kellogg, L. 1912 A, 160, fig. 7.
Merriam and Stock 1925 A, 10.
Sinclair, W. J. 1903 A, 711 ("sp. nov.").
1904 A, 17 ("n. sp.").
Stock, C. 1925 A, 113.
Pleistocene (Caves); California.

Thomomys monticola Allen.

Allen, J. A. 1893, Bull. Amer. Mus. Nat. Hist., V, 48 (T. monticolus).
Bailey, V. 1915 B, 121-126, pls. ii, viii.
Elliot, D. G. 1901 A, 225.
Furlong, E. L. 1904 A, 54.
1906 A, 243.
Miller, G. S. 1912 B, 239.
1924 C, 252.
Miller, L. H. 1912 A, 70, 73.
Sinclair, W. J. 1904 A, 17.
Trouessart, E. L. 1897 A, 576.
Recent; west central and southwestern Oregon, in high mountains of northern half of California: Pleistocene (Potter Creek Cave, Samwel Cave); California.

Thomomys orientalis Simpson.

Simpson, G. G. 1928 H, 2, 6, fig. 1.
Pleistocene (Early); Florida.

Thomomys scudderi Hay.

Hay, O. P. 1921 A, 614, pl. cxx, figs. 1-4.
Pleistocene (Middle?); Washington.

Thomomys talpoides (Richardson).

Richardson, J. 1828, Zool. Jour., III, 518 (Cricetus).
Hay, O. P. 1902 A, 731 (T. talpoides); 730 (T. clusius).
Bailey, V. 1915 B, 96-106, pls. i, ii, vii (T. clusius a subspecies).
Coues, E. 1883 A, 100, fig. 48.
Elliot, D. G. 1901 A, 227 (T. talpoides); 229 (T. clusius).
Gilbert, G. K. 1890 A, 304, 394 (T. talpoides, T. clusius).
Hay, O. P. 1927 D, 274 (T. clusius).
Miller, G. S. 1912 B, 241 (T. talpoides); 236 (T. clusius).
1924 C, 247.
Osborn, H. F. 1910 B, 460 (T. clusius).
Seton, E. T. 1904 A, 302.
1909 A, 561, pl. xl; text-figs. 162-169, maps 33, 34.
Recent; eastern Colorado and southern South Dakota, north to plains of Saskatchewan and Manitoba: Pleistocene (Fossil Lake); Oregon.

Thomomys sp. indet.

Hay, O. P. 1914 A, 26.
1927 D, 190, 223, 243. Pleistocene; California.
1928 C, 425.
McCornack, E. C. 1920 A, 23 (T. bulbivorus, T. clusius?).
Matthew, W. D. 1902 F, 317, 320 (Th. indet.).

Matthew, W. D. 1918 A, 227, 228. Pleistocene (Sheridan and Loup River); Nebraska.
1923 A, 12. Lower Pliocene (Upper Snake Creek); Nebraska.
1924 C, 66. Lower Pliocene (Upper Snake Creek); Nebraska.
Miller, L. H. 1912 A, 70. Pleistocene (Potter Creek Cave); California; 73, 81 (Samwel Cave); California, (Fossil Lake); Oregon.
Stock, C. 1925 A, 113. Pleistocene (Caves); California: 195. Pleistocene (Fossil Lake); Oregon.

GEOMYS Rafinesque.

Hay, O. P. 1902 A, 730.
Allen, J. A. 1892 A.
Beddard, F. E. 1902 A, 483.
Coues, E. 1883 A, 99, fig. 46.
Cuvier, G. 1825 A, v, 1, 36, pl. i (Saccomys).
Doran, A. H. G. 1878 A, 413, pl. lx.
Elliot, D. G. 1901 A, 215.
Frech, F. 1906 A, 484.
Giebel, C. G. 1883 A, pls. xxvii, xlv, lxxvii.
Heilprin, A. 1887 A, 365.
Höfer, H. 1911 A, 449.
Leunis and Ludwig 1883 A, 217.
Lilljeborg, W. 1866 A, 32, 34.
Lönnberg, E. 1910 A, 117.
Matthew, W. D. 1907 A, 211.
1909 C, 119.
1910 B, 72.
1915 K, 402.
Merriam, C. H. 1892 A, 61.
Miller, G. S. 1912 B, 243.
1924 C, 254.
Osborn, H. F. 1909 D, 85, 90.
1910 B, 357, 460, 464, 536.
Palmer, T. S. 1904 A, 293, 848.
Rehs, J. 1914 A, 94.
Scott, W. B. 1913 A, 163.
Taschenberg, O. 1899 A, 4583.
Trouessart, E. L. 1904 A, 467.
Wagner, A. 1841 A, 123.
Waterhouse, G. R. 1839 D, 595, figs.
1841 B, 83.
Weber, M. 1904 A, 481, 499, fig. 368.
Weber and Abel 1928 A, 253, 277, fig. 167.
Weber and Burlet 1927 A, 141.
Winge, H. 1888 A, 109, 138, 156.
1924 A, 9, 89, 90.
Zittel and Schlosser 1911 A, 427.
1923 A, 511.

Geomys bisulcatus Marsh.

Hay, O. P. 1902 A, 730.
Cook, H. J. 1912 D, 44 (This species?).
Mansuy, —— 1923 A, 102 (G. cisuleatus).
Matthew, W. D. 1909 C, 116.
Matthew and Cook 1909 A, 382 (This species?).
Merriam, J. C. 1917 A, 436 (This species?).
Sinclair, W. J. 1915 A, 76 (This species?).
Miocene (Arikaree); Nebraska?: Pliocene? (Snake Creek); Nebraska.

Geomys bursarius (Shaw).

Hay, O. P. 1902 A, 730.
Baker, F. C. 1920 A, 460.
Elliot, D. G. 1901 A, 217.
Haug, E. 1911 A, 1886.
Hay, O. P. 1914 A, 38.
1920 B, 117.
1923 A, 339, 343.
1928 C, 429.

Type *Mus tuza* Ord.

Hayden, F. V. 1872 A, 10.
Hisaw, F. L. 1924 A, 93.
Höfer, H. 1911 A, 449.
Leidy, J. 1857 J, 100 (Pseudostoma).
Leighton, M. M. 1921 A, 513.
McAdams, W. 1884 B, 269 ("gophers").
Miller, G. S. 1912 B, 244.
1924 C, 255.
Whitney, J. D. 1862 A, 136 (Pseudostoma).
Recent; Mississippi valley from near Canadian boundary to Kansas, east of 99th meridian: Pleistocene; Nebraska, Illinois, Kansas.

Geomys floridanus (Audubon and Bachman).

Audubon and Bachman 1854, Quadr. N. Amer., III, 242, pl. cl, fig. 1 (Pseudostoma).
Matthew, W. D. 1925 A, 97 (This species?).
Merriam, C. H. 1895 A, 115, 208, pls. 7, 10, 14 (G. tuza floridanus).
Miller, G. S. 1912 B, 243.
1924 C, 255.
Simpson, G. G. 1928 H, 2.
Pleistocene (Early); Florida.

Geomys lutescens Merriam.

Merriam, C. H. 1890, N. A. Fauna, IV, 51 (G. bursarius lutescens).
1895 A, 127, pl. ix, figs. 5, 7; pl. xiv, fig. 14.
Miller, G. S. 1912 B, 244.
1924 C, 256.
Trouessart, E. L. 1897 A, 571.
Recent; western Nebraska to Texas: Pleistocene; western Nebraska.

Geomys minor Gidley.

Gidley, J. W. 1922 B, 120, 123, pl. xxxiv, figs. 7, 8.
Hay, O. P. 1927 D, 136.
Pleistocene (San Pedro Valley); Arizona.

Geomys parvidens B. Brown.

Brown, B. 1908 A, 194, pl. xxi.
Hay, O. P. 1914 A, 32.
Pleistocene (Middle); Arkansas.

Geomys persimilis Hay.

Hay, O. P. 1927 D, 136.
Gidley, J. W. 1922 B, 120, 122, pl. xxxiv, figs. 5, 6 (G. parvidens; not of B. Brown).
Pleistocene (San Pedro Valley); Arizona.

Geomys texensis C. H. Merriam.

Merriam, C. H. 1895 A, 137.
Hay, O. P. 1920 B, 140.
Miller, G. S. 1912 B, 245.
1924 C, 257.
Trouessart, E. L. 1897 A, 572.
Recent; Texas: Pleistocene; Texas.

Geomys sp. indet.

Freudenberg, W. 1921 A, 139. Pleistocene; Mexico.
1922 A, 4. Pleistocene; Mexico.
Gidley, J. W. 1927 E, 274 (Pleistocene; Florida.
Hay, O. P. 1927 D, 190, 243, 274.
Matthew, W. D. 1902 F, 320 ("sp.").
Matthew, W. D. 1909 C, 114. Miocene (Middle); Nebraska.
Miller, L. H. 1912 A, 81, Pleistocene (Fossil Lake); Oregon.
Osborn, H. F. 1910 B, 460. Pleistocene (Fossil Lake); Oregon.
Stock, C. 1925 A, 195. Pleistocene (Fossil Lake); Oregon.

CRATOGEOMYS Merriam. Type *Geomys merriami* Thomas.

Merriam, C. H. 1895, N. A. Fauna No. 8, 150.
Miller, G. S. 1912 B, 246.
1924 C, 258.

Cratogeomys bensoni Gidley.

Gidley, J. W. 1922 B, 120, 123, pl. xxxiv, figs. 9-11.
Hay, O. P. 1927 D, 136.
Pleistocene (San Pedro Valley); Arizona.

HETEROMYIDÆ Allen.

Allen, J. A. 1893, Bull. Amer. Mus. Nat. Hist., v, 233.
Alston, E. R. 1876 A, 88 (Heteromyinæ).
Cockerell and Miller 1914 A, 370.
Elliot, D. G. 1901 A, 241 (Heteromyinæ).
Flower, W. H. 1883 D, 419 (Heteromyinæ).
Goldman, E. A. 1911 A, 7.
Gray, J. E. 1868, Proc. Zool. Soc. Lond., 201 (Heteromyina).
Gregory, W. K. 1914 G, 380.
Matthew, W. D. 1907 A, 211, 212, 214.
Matthew, W. D. 1909 C, 119.
1910 B, 71.
1915 A, 229.
Merriam, C. H. 1889 A, 1 ("pocket mice").
Osborn, H. F. 1909 D, 57.
1910 B, 168, 287, 536.
Osgood, W. H. 1900 A, 1 ("pocket mice").
Palmer, T. S. 1904 A, 745, 848.
Trouessart, E. L. 1904 A, 478 (Heteromyidæ); 481 (Heteromyinæ).
Winge, H. 1924 A, 9, 84, 89 (Saccomyini).

HELISCOMYS Cope. Type *H. vetus* Cope.

Hay, O. P. 1902 A, 729.
Matthew, W. D. 1907 A, 212.
1910 B, 71.
Miller and Gidley 1918 A, 434.
Osborn, H. F. 1910 B, 536.
Palmer, T. S. 1904 A, 315, 848.
Weber and Abel 1928 A, 277.
Winge, H. 1888 A, 156.
1924 A, 85, 89.

Heliscomys parvus (Troxell).

Troxell, E. T. 1923 C, 158, figs. 3-5 (Diplolophus).
Oligocene (White River); Colorado.

Heliscomys vetus Cope.

Hay, O. P. 1902 A, 729.
Matthew, W. D. 1901 B, 357.
Seeley, H. G. 1886 A, 515.
Trouessart, E. L. 1904 A, 475.
Oligocene (White River); Colorado.

PERIDIOMYS Matthew. Type *P. rusticus* Matthew.

Matthew, W. D. 1924 C, 74, 85.

Peridiomys rusticus Matthew.

Matthew, W. D. 1924 C, 66, 85, fig. 9.
Upper Miocene (Lower Snake Creek); Nebraska.

PEROGNATHUS Wied-Neuwied. Type *P. fasciatus* Wied.

Wied-Neuwied, M. A. P. 1839, Nov. Acta phys. med. Acad. Cæs.-Leop.-Carol., XIX, pt. 1, 368.
Allen, J. A. 1904 B, 136.
Cockerell and Miller 1914 A, 370, figs. 101-103.
Coues, E. 1883 A, 97.
Elliot, D. G. 1901 A, 241.
Lilljeborg, W. 1866 A, 32, 33.
Matthew, W. D. 1910 B, 71.
1928 B, 977 ("pocket-mice").
Merriam, C. H. 1889 A, 5.
Miller, G. S. 1912 B, 260.
1924 C, 272.
Osgood, W. H. 1900 A, 13.
Seeley, H. G. 1886 A, 515.
Trouessart, E. L. 1904 A, 481.
Winge, H. 1888 A, 109, 138.
1924 A, 9, 86.

Perognathus californicus californicus Merriam.

Merriam, C. H. 1889 A, 26 (P. californicus); 27 (P. armatus).
Dice, L. R. 1925 A, 125.
Hay, O. P. 1927 D, 183 (P. californicus).
Miller, G. S. 1912 B, 271.
1924 C, 285.
Recent; region of San Francisco: Pleistocene (La Brea); California.

DIPODOMYS Gray. Type *D. philippii* Gray.

Gray, J. E. 1841, Ann. Mag. Nat. Hist., VII, 521.
Beddard, F. E. 1902 A, 484.
Elliot, D. G. 1901 A, 231.
Matthew, W. D. 1910 B, 71.
Merriam, C. H. 1906 A, 246.
Miller, G. S. 1912 B, 276.
1924 C, 287.
Palmer, T. S. 1904 A, 255.
Scharff, R. F. 1911 A, 201.
Winge, H. 1924 A, 9, 87.

Dipodomys minor Gidley.

Gidley, J. W. 1922 B, 120, 123, pl. xxxiv, fig. 16.
Hay, O. P. 1927 D, 136.
Pleistocene (San Pedro Valley); Arizona.

PERODIPUS Fitzinger. Type *Dipodomys agilis* Gambel.

Fitzinger, L. J. 1867, Sitz.-Ber. Akad. Wiss. Wien, LVI, 126.
Cockerell and Miller 1914 A, 370, figs. 104-107.
Miller, G. S. 1912 B, 272.
1924 C, 287 (Syn. of Dipodomys).
Palmer, T. S. 1904 A, 525, 849.
Trouessart, E. L. 1904 A, 480.
Winge, H. 1924 A, 87.

Perodipus agilis (Gambel).

Gambel, W. 1848, Proc. Acad. Nat. Sci., IV, 77 (Dipodomys).
Dice, L. R. 1925 A, 125.
Hay, O. P. 1927 D, 183.
Kellogg, L. 1912 A, 167.
Miller, G. S. 1912 B, 273.
1924 C, 295.
Trouessart, E. L. 1897 A, 580 (Cricetodipus).
1904 A, 480.
Recent; Southern California: Pleistocene (La Brea); California.

Perodipus sp. indet.

Hay, O. P. 1920 B, 140. Pleistocene; Texas.
1924 D, 247. Pleistocene; Texas.

DIPRIONOMYS. Type *D. parvus*.

Kellogg, L. 1910 A, 433.

Diprionomys magnus Kellogg.

Kellogg, L. 1910 A, 434, fig. 18.
Merriam, J. C. 1911 B, 211, 213, 214, 253, 255.
1917 A, 429.
Pliocene (Thousand Creek); Nevada.

Diprionomys parvus Kellogg.

Kellogg, L. 1910 A, 433, fig. 17.
Merriam, J. C. 1911 B, 211, 213, 214, 253, 255.
1917 A, 429.
Pliocene (Thousand Creek); Nevada.

ADJIDAUMIDÆ Miller and Gidley.

Miller and Gidley 1918 A, 434.
Trouessart, E. L. 1904 A, 476 (Adjidauminæ).
Winge, H. 1924 A, 9, 85, 89 (Gymnoptychini).

ADJIDAUMO Hay. Type *Gymnoptychus minutus* Cope.

Hay, O. P. 1902 A, 720.
Douglass, E. 1909 B, 231, 285 (Gymnoptychus).
Haug, E. 1911 A, 1528 (Gymnoptychus).
Kraglievich, L. 1926 C, 47 (Gymnoptychus).
Matthew, W. D. 1901 B, 369 (Gymnoptychus).
1907 A, 211.
1909 C, 104, 110 (Gymnoptychus).
1910 B, 59, 71 [Gymnoptychus (=Adjidaumo)].
1915 K, 420.
Miller and Gidley 1918 A, 434.
Osborn, H. F. 1909 G, 146, fig. 106 (Gymnoptychus).
1910 B, 536 (Gymnoptychus).
Palmer, T. S. 1904 A, 80, 848 (Adjidaumo); 303, 849 (Gymnoptychus).
Schlosser, M. 1911 A, 166 (Gymnoptychus).
Seeley, H. G. 1886 A, 515 (Gymnoptychus).
Trouessart, E. L. 1904 A, 476 (Adjidaumus).
Weber, M. 1904 A, 511 (Gymnoptychus).
Weber and Abel 1928 A, 277 (Gymnoptychus).
Winge, H. 1888 A, 109, 138 (Gymnoptychus).
1924 A, 9, 85 (Gymnoptichus).
Zittel and Schlosser 1911 A, 429 (Gymnoptychus).
1923 A, 513 (Gymnoptychus).

Adjidaumo minimus (Matthew).

Matthew, W. D. 1903 B, 216, fig. 11 (Gymnoptychus).
1909 C, 104 (Gymnoptychus).
Trouessart, E. L. 1904 A, 476 (Adjidaumus).
Lower Oligocene (White River); Montana.

Adjidaumo minor (Douglass).

Douglass, E. 1903 A, 149 (Gymnoptychus).
Matthew, W. D. 1903 B, 215, fig. 10.
Trouessart, E. L. 1904 A, 476 (Adjidaumus).
Oligocene (White River); Montana.

Adjidaumo minutus (Cope).

Hay, O. P. 1902 A, 720.
Matthew, W. D. 1901 B, 357 (Gymnoptychus).
1909 C, 104, 105 (Gymnoptychus).
Trouessart, E. L. 1904 A, 476 (Adjidaumus).
Oligocene (White River); Montana: Oligocene (Cedar Creek); Colorado.

Adjidaumo trilophus (Cope).

Hay, O. P. 1902 A, 720.
Matthew, W. D. 1901 B, 357 (Gymnoptychus).
1903 B, 215 (Gymnoptychus liolophus).
1909 C, 105 (Gymnoptychus).
Trouessart, E. L. 1904 A, 476 (Adjidaumus).
Middle Oligocene (Cedar Creek); Colorado.

EUTYPOMYIDÆ Miller and Gidley.

Miller and Gidley 1918 A, 435.

EUTYPOMYS Matthew. Type *E. thomsoni* Matthew.

Matthew, W. D. 1905 A, 21.
Haug, E. 1911 A, 1528.
Miller and Gidley 1918 A, 435.
Matthew, W. D. 1909 C, 110.
1910 B, 71.
Osborn, H. F. 1907 G, 147, figs. 110, 111.
1910 B, 221, 535.
Schlosser, M. 1911 A, 166.
1923 A, 511.
Taylor, W. P. 1916 A, 457.
Zittel and Schlosser 1911 A, 427.
1923 A, 427.

Eutypomys parvus Lambe.

Lambe, L. M. 1908 A, 11, 57, pl. vi, figs. 1, 2. Oligocene (Cypress Hills); Saskatchewan.

Eutypomys thomsoni Matthew.

Matthew, W. D. 1905 A, 21, 22, figs. 1-3.
Cook, H. J. 1912 D, 36.
Lambe, L. M. 1908 A, 57.
Matthew, W. D. 1909 C, 105.
O'Harra, C. C. 1910 A, 87.
Oligocene (Middle); South Dakota: (Brule); Nebraska?: (Cypress Hills); Saskatchewan.

Eutypomys sp.?

Matthew, W. D. 1909 C, 103. Oligocene (Lower); Canada.

CHALICOMYIDÆ. Miller and Gidley.

Miller and Gidley 1918 A, 435.

CHALICOMYS Kaup. Type *C. jaegeri* Kaup.

Unless otherwise indicated the authors here cited use the name *Steneofiber* for this genus.
Kaup, J. 1832, Oken's Isis, 994, Taf. xxvi, figs. 1-6 (Chalicomys).
Hay, O. P. 1902 A, 722.
Ameghino, F. 1906 A, 243, fig. 279.
Arldt, T. 1907 D, 255.
Bronn, H. G. 1848 B, 1199 (Steneotherium).
Cope, E. D. 1880 U, 156, 157.
Coues, E. 1883 A, 117.
Depéret, C. 1912 A, 708.
Depéret and Douxami 1902 D, 66.
Gervais, P. 1852 A, 20 (Chalicomys, Steneofiber).
1859 A, 21, 22, pl. viii, fig. 10 (Chalicomys); pls. xliv, xlviii (Stenofiber).
Haug, E. 1911 A, 1528, 1705 (Steneofiber).
Heilprin, A. 1887 A, 364, 365.
Loomis, F. B. 1923 A, 222 (Stenofiber).
Matthew, W. D. 1901 B, 370.
1902 D, 300, fig. 12.
1907 A, 175, 177, 205.
1909 C, 110, 118.
1910 B, 71.
1912 B, 186.
1918 A, 198.
Matthew and Cook 1909 A, 380.
Miller and Gidley 1918 A, 435 (Chalicomys).
O'Harra, C. C. 1910 A, 88, 151.
Ortman, A. E. 1909 B, 177.
Osborn, H. F. 1907 F, 872.
1909 D, 136.
1910 B, 632.
1912 G, 246, 249.
Palmer, T. S. 1904 A, 644, 843.
Peterson, O. A. 1904 B, 344.
1905 B, 296.
Pictet, F. J. 1853 A, 253 (Chalicomys, Steneofiber).
Riggs, E. S. 1909 C, 196.
Romer and McCormack 1928 A, 60 (Palæocastor).
Schlosser, M. 1902 I, 707.
1902 J, 231 (Steneofiber, Chalicomys).
1911 A, 166.
1924 A, 22 (Chalicomys); 27 (Steneofiber).
Schreuder, A. 1928 A, 374.
Taylor, W. P. 1915 A, 167.
1916 A, 457.
Weber, M. 1904 A, 512.
Winge, H. 1888 A, 109.
1924 A, 8, 80.
Woodward, A. S. 1898 B, 378.
Zittel and Schlosser 1911 A, 426.
1923 A, 510, 672 (Steneofiber).

Chalicomys barbouri (Peterson).

Peterson, O. A. 1905 A, 166, 171, 178, pl. xvii, fig. 9; pl. xviii, figs. 18-20; text-figs. 4, 5 (Steneofiber).
Abel, O. 1926 B, 385 (Steneofiber).
Cook, H. J. 1912 D, 40 (Steneofiber).
Matthew, W. D. 1907 A, 205, 207, 208 (Steneofiber).
1909 C, 112 (Steneofiber).
O'Harra, C. C. 1920 A, 155 (Steneofiber).
Ortman, A. E. 1909 B, 178, fig. 2 (Steneofiber).
Peterson, O. A. 1906 C, 35 (Steneofiber).
Lower Miocene (Harrison); Nebraska.

Chalicomys brachyceps (Matthew).

Matthew, W. D. 1907 A, 172, 208 (Steneofiber).
1909 C, 112 (Steneofiber).
O'Harra, C. C. 1920 A, 156 (Steneofiber).
Lower Miocene (Harrison); South Dakota.

Chalicomys complexus (Douglass).

Douglass, E. 1901 B, 249 (Steneofiber).
Matthew, W. D. 1902 D, 304, fig. 10 (Steneofiber).

Matthew, W. D. 1909 C, 107 (Steneofiber).
Peterson, O. A. 1905 A, 177 (Steneofiber).
Trouessart, E. L. 1904 A, 347 (Steneofiber).
Upper Oligocene (White River); Montana.

Chalicomys fossor (Peterson).

Peterson, O. A. 1905 A, 140, 171, 177, pl. xvii, figs. 1-4; pl. xviii, figs. 1-17, 21; pls. xix, xx; text-figs. 1, 2, 3, 6 (Steneofiber).
Abel, O. 1926 B, 385 (Steneofiber).
Cook, H. J. 1912 D, 40 (Steneofiber).
Matthew, W. D. 1907 A, 205 (Steneofiber).
1909 C, 112 (Steneofiber).
O'Harra, C. C. 1910 A, 86, 131, fig. 14 (Steneofiber).
1920 A, 89, 155, fig. 33 (Steneofiber).
Ortman, A. E. 1909 B, 179, fig. 3 (Steneofiber).
Peterson, O. A. 1906 C, 35 (Steneofiber).
Romer and McCormack 1928 A, 58 (Palæocastor).
Lower Miocene (Harrison); Nebraska.

Chalicomys gradatus (Cope).

Hay, O. P. 1902 A, 722 (Steneofiber).
Matthew, W. D. 1902 D, 302, fig. 7 (Steneofiber).
1904 C, 260 (Steneofiber).
1909 C, 107 (Steneofiber).
Merriam and Sinclair 1907 A, 185, 188, 189, 190 (Steneofiber).
Peterson, O. A. 1905 A, 173 (Steneofiber).
Romer and McCormack 1928 A, 58 (Palæocastor).
Schlosser, M. 1924 A, 27 (Castor).
Trouessart, E. L. 1904 A, 347 (Steneofiber).
Upper Oligocene (John Day); Oregon.

Chalicomys hesperus (Douglass).

Douglass, E. 1901 B, 243, 247 (Steneofiber).
Matthew, W. D. 1902 D, 304, fig. 9 (Steneofiber).
1909 A, 4 (Steneofiber).
1909 C, 107 (Steneofiber).
Peterson, O. A. 1905 A, 176 (Steneofiber).
Trouessart, E. L. 1904 A, 347 (Steneofiber).
Upper Oligocene (White River); Montana.

Chalicomys montanus (Scott).

Hay, O. P. 1902 A, 722 (Steneofiber).
Douglass, E. 1903 A, 151 (Steneofiber).
Matthew, W. D. 1902 D, 303, fig. 8 (Steneofiber).
1909 C, 112 (Steneofiber).
Peterson, O. A. 1905 A, 175 (Steneofiber).
Trouessart, E. L. 1904 A, 347 (Steneofiber).
Lower Miocene (Harrison); Montana.

Chalicomys pansus (Cope).

Hay, O. P. 1902 A, 722 (Steneofiber).
Gidley, J. W. 1904 A, 246 (Steneofiber).
Matthew, W. D. 1902 D, 260, 303 (Steneofiber).
1904 C, 257, figs. 9, 10 (Steneofiber).
1907 A, 172, 208 (Steneofiber).
1909 C, 112 (Steneofiber, This species?).
Merrill, G. P. 1907 A, 60, 61 (Steneofiber).
Peterson, O. A. 1905 A, 173 (Steneofiber).
Romer and McCormack 1928 A, 58 (Palæocastor).
Trouessart, E. L. 1904 A, 347 (Steneofiber).
Lower Miocene (Harrison); New Mexico, South Dakota.

Chalicomys peninsulatus (Cope).

Hay, O. P. 1902 A, 722 (Steneofiber).
Matthew, W. D. 1902 D, 302, fig. 6 (Steneofiber).
1904 C, 259, 260 (Steneofiber).
1909 C, 107 (Steneofiber).
Merriam and Sinclair 1907 A, 185, 188, 189, 190 Steneofiber).
Peterson, O. A. 1905 A, 172 (Steneofiber).
Romer and McCormack 1928 A, 58 (Palæocastor).
Schlosser, M. 1924 A, 27 (Castor).
Seeley, H. G. 1886 A, 515 (Castor).
Trouessart, E. L. 1904 A, 347 (Steneofiber).
Upper Oligocene (John Day); Oregon.

Chalicomys sciuroides (Matthew).

Matthew, W. D. 1907 A, 172, 207 (Steneofiber).
1909 C, 112 (Steneofiber).
O'Harra, C. C. 1920 A, 156 (Steneofiber).
Lower Miocene (Harrison); South Dakota.

Chalicomys simplicidens (Matthew).

Matthew, W. D. 1907 A, 172, 205, figs. 19, 20 (Steneofiber).
1909 C, 112 (Steneofiber).
O'Harra, C. C. 1920 A, 156 (Steneofiber).
Schlosser, M. 1924 A, 27 (Steneofiber).
Lower Miocene (Harrison); South Dakota.

Chalicomys sp. indet.

Lambe, L. M. 1905 D, 368 A (Steneofiber); Canada.
Merriam and Sinclair 1907 A, 196 (Steneofiber).
Miocene (Mascall); Oregon.

Dipoides Jäger. Type not mentioned.

Jäger, G. F. 1835, Foss. Säuget. Württemb., 1ste Abth., 17-18.
Hay, O. P. 1902 A, 722 (Eucastor).
Ameghino, F. 1906 A, 243 (Eucastor).
Arldt, T. 1911 A, 214.
Haug, E. 1911 A, 1706 (Eucastor).
Matthew, W. D. 1901 B, 445 (Eucastor).
1902 D, 304 (Eucastor).
1904 C, 261 (Eucastor=Dipoides).
1907 A, 175, 205.
1909 C, 118 (Eucastor=Dipoides).
Matthew, W. D. 1910 B, 70 (Eucastor, Sigmogomphius as syns.).
1918 A, 199 (Eucastor).
1924 C, 74.
Matthew and Cook 1909 A, 380.
Merriam, J. C. 1911 B, 216.
1913 E, 383.
Miller and Gidley 1918 A, 435 (Eucastor).
Osborn, H. F. 1905 I, 106.
1909 D, 81.
1910 B, 356, 357, 535 (= ? Eucastor).

Palmer, T. S. 1904 A, 239, 868 (Dipoides); 272, 843 (Eucastor).
Schlosser, M. 1902 J, 135, 231.
1903 I, 40, 178, 209, 219 (Dipoides); 178 (Eucastor).
1924 A, 27.
Taylor, W. P. 1916 A, 458.
Trouessart, E. L. 1904 A, 295.
Zittel and Schlosser 1923 A, 511, 679.

Dipoides curtus Matthew and Cook.

Matthew and Cook 1909 A, 381, fig. 9 (D. curtus); 364 (D. brevis; name only).
Cook, H. J. 1912 D, 44 (Name only).
Matthew, W. D. 1918 A, 186.
1924 C, 66.
Merriam, J. C. 1917 A, 436.
Sinclair, W. J. 1915 A, 76.
Lower Pliocene (Snake Creek); Nebraska.

Dipoides leconteï (Merriam).

Merriam, J. C. 1910, in Kellogg, L. 1910 A, 430, fig. 13 (Eucastor).
1911 B, 211, 214, 232, 253, 254 (Eucastor, This species?).
1913 E, 382, fig. 8.
1917 A, 426, 429.
Stock, C. 1921 B, 19 (Dipoides, Sigmogomphius).
Pliocene (Thousand Creek); Nevada: (Siestan); California.

Dipoides tortus (Leidy).

Hay, O. P. 1902 A, 722 (Eucastor).
Barbour, E. H. 1916 C, 525.
Barbour and Cook 1917 A, 507.
1917 B, 180.
Cook, H. J. 1912 D, 44.
Gidley, J. W. 1904 A, 245.
Matthew, W. D. 1902 D, 305, fig. 1 (Eucastor).
1904 C, 261, figs. 11, 12.
1909 C, 116 (Eucastor=Dipoides).
1918 A, 186.
1924 C, 66.
Matthew and Cook 1909 A, 381.
Merriam, J. C. 1916 A, 177, figs. 11-13 (This species?).
1917 A, 436, 438.
Merrill, G. P. 1907 A, 28 (Castor).
O'Harra, C. C. 1920 A, 158 (Eucastor).
Schlosser, M. 1924 A, 29.
Sinclair, W. J. 1915 A, 76.
Trouessart, E. L. 1904 A, 346 (Eucastor).
Pliocene (Snake Creek and Valentine); Nebraska: (Cedar Mountain); California.

Dipoides? sp. indet.

Kellogg, L. 1910 A, 431, fig. 14. Pliocene (Thousand Creek); California.
Merriam, J. C. 1911 B, 211, 213, 214, 253, 254 (This genus?); Pliocene (Thousand Creek); Nevada.
1913 E, 382, fig. 9. Miocene (Siestan); California.
1917 A, 429 (This genus?); Pliocene (Rattlesnake); Oregan; 429 Pliocene (Thousand Creek); Nevada.
Stock, C. 1925 A, 18. Lower Pliocene (Rattlesnake); Oregon.

Palæocastor Leidy. Type *P. nebrascensis* Leidy.

Leidy, J. 1869 A, 338, 406.
Hay, O. P. 1902 A, 722 (Steneofiber, part).
Matthew and Granger 1925 B, 7.
Miller and Gidley 1918 A, 435.
Romer and McCormack 1928 A, 58, 60.
Wallace, A. R. 1876 A, 1, 140.

Palæocastor magnus Romer and McCormack.

Romer and McCormack 1928 A, 58, fig. 1.
Lower Miocene (Lower Harrison); Wyoming.

Palæocastor nebrascensis (Leidy).

Hay, O. P. 1902 A, 722 (Steneofiber).
Cook, H. J. 1912 D, 38 (Steneofiber).
Matthew, W. D. 1902 D, 301, fig. 5 (Steneofiber).
1904 C, 258, 260 (Steneofiber).
1909 C, 107 (Steneofiber).
Miller and Gidley 1918 A, 435.
O'Harra, C. C. 1920 A, 153 (Steneofiber).
Peterson, O. A. 1905 A, 172 (Steneofiber).
Romer and McCormack 1928 A, 58.
Sinclair, W. J. 1924 A, 119 (Steneofiber).
Trouessart, E. L. 1904 A, 347 (Steneofiber).
Oligocene (Upper); South Dakota: (Brule); Nebraska?.

CASTORIDÆ Gray.

Gray, J. E. 1821 A, 302.
Hay, O. P. 1902 A, 721.
Ameghino, F. 1889 A, 894.
1906 A, 409 ("castoridés").
Arldt, T. 1907 D, 643.
1912 A, 698, 742.
Beddard, F. E. 1902 A, 467.
Brandt and Woldrich 1887 A, 81 (Castorinæ).
Carus, V. 1875 A, 99 (Castorina).
Chandler, A. C. 1914 B, 134.
Cockerell and Miller 1914 A, 370.
Coues, E. 1883 A, 118.
Depéret, C. 1906 A, 620 ("castoridés").
1906 B, 1121 ("castoridés").
Depéret, C. 1907 B ("castoridés").
1908 A, 303, 307.
1912 A, 708 ("castoridés").
Doran, A. H. G. 1878 A, 410.
Elliot, D. G. 1901 A, 114.
Gidley, J. W. 1907 B, 635.
Hay, O. P. 1912 D, 751.
1914 A, 451.
1923 A, 312.
Höfer, H. 1911 A, 448 (Castoroidea).
Hoernes, R. 1886 A, 691.
Hogben, L. T. 1919 A, 73.
Kraglievich, L. 1926 C, 47 (Castoroidea)
Leche, W. 1887 A.

Leunis and Ludwig 1883 A, 216.
Lilljeborg, W. 1866 A, 35.
Lobley, J. L. 1908 A, 200.
Martins, C. 1857 A, 68 ("castors").
1872 A, 308 ("castors").
Matthew, W. D. 1904 C, 264.
1905 A, 22.
1905 D, 52.
1909 C, 123.
1910 B, 66, 70, 71.
1928 B, 977 ("beavers").
Miller, G. S. 1912 A, 947.
1912 B, 341.
Miller and Gidley 1918 A, 435.
Osborn, H. F. 1909 D, 61, 64.
Pictet, F. J. 1853 A, 250 ("castorins").
Rehs, J. 1914 A, 94 (Castoroidei, Castoridæ).
Reichenau, W. 1912 A, 208 (Castorinæ).
Reynolds, S. H. 1897 A, 452, 454, 502, 520, 526 ("beavers").
Schlosser, M. 1902 I, 708.
1902 J, 231, 256.
1903 I, 41.
Scott, W. B. 1916 A, 117 ("beavers").
Seton, E. T. 1909 A, 447.
Taylor, W. P. 1915 A, 167.
1916 A, 457, 488.
Terra, P. 1911 A, 301.
Trouessart, E. L. 1904 A, 345.
Wagner, A. 1841 A, 125 (Castorina).
Wallace, A. R. 1876 A, II, 234.
1894 A, 436.
Weber, M. 1904 A, 490, 498 (Castoroidea).
Weber and Abel 1928 A, 275.
Winge, H. 1924 A, 8, 84 (Castorini).
Zaaijer, T. 1894 A, 340.
Zittel and Schlosser 1911 A, 426 (Castoroidea, Castorinæ).
1923 A, 510, 670 (Castoroidea, Castorinæ).

AMBLYCASTOR Matthew. Type *A. fluminis* Matthew.

Matthew, W. D. 1918 A, 197.
1924 C, 74.
Zittel and Schlosser 1923 A, 511.

Amblycastor fluminis Matthew.

Matthew, W. D. 1918 A, 186, 197, figs. 7, 8.
1924 C, 66.
Matthew and Cook 1909 A, 381, fig. 10 (Hystricops venustus?).
Upper Miocene (Lower Snake Creek); Nebraska.

EUHAPSIS Peterson. Type *E. platyceps* Peterson.

Peterson, O. A. 1905 A, 179.
Matthew, W. D. 1909 C, 118.
1910 B, 71.
1918 A, 199.
O'Harra, C. C. 1910 A, 88, 130.
Osborn, H. F. 1909 D, 75.
1910 B, 535.
Winge, H. 1924 A, 8, 80, 94, 169 (Euapsis).
Zittel and Schlosser 1911 A, 427.
1923 A, 511.

Euhapsis gaulodon Matthew.

Matthew, W. D. 1907 A, 172, 208, figs. 21-23.
1909 C, 112.
Schlosser, M. 1924 A, 29.
Lower Miocene (Rosebud); South Dakota.

Euhapsis platyceps Peterson.

Peterson, O. A. 1905 A, 179, pl. xvii, figs. 5-8.
Cook, H. J. 1912 D, 39.
Matthew, W. D. 1907 A, 208.
1909 C, 112 (E. brachyceps).
Osborn, H. F. 1909 D, 73.
Peterson, O. A. 1906 C, 24.
Lower Miocene (Monroe Creek); Nebraska.

HYSTRICOPS Leidy. Type *H. venustus* Leidy.

Leidy, J. 1858 E, 22 (Subgenus of Hystrix).
Hay, O. P. 1902 A, 733 (Erethizon, in part).
Allen, J. A. 1904 A, 384 (Hystrix).
Matthew, W. D. 1902 D, 305 (Hystrix).
1910 B, 71.
Matthew and Cook 1909 A, 380.
Osborn, H. F. 1910 B, 535.
Palmer, T. S. 1904 A, 345, 847.

Hystricops venustus Leidy.

Hay, O. P. 1902 A, 733 (Erethizon).
Allen, J. A. 1904 A, 384 (Hystrix).
Cook, H. J. 1912 D, 44 (This species?).
Matthew, W. D. 1902 D, 305 (Hystrix).
Merriam, J. C. 1917 A, 436 (This species?).
Merrill, G. P. 1907 A, 43.
Sinclair, W. J. 1915 A, 76 (This species?).
Pliocene? (Snake Creek); Nebraska.

Hystricops sp. indet.

Dumble, E. T. 1915 A, 471. Miocene (Fleming); Texas.
1920 A, 232. Miocene (Fleming); Texas.
Matthew, W. D. 1915 L, 471. Miocene (Fleming); Texas.
1920 E, 232. Miocene (Fleming); Texas.

CASTOR Linnæus. Type *C. fiber* Linnæus.

Hay, O. P. 1902 A, 721.
Abel, O. 1912 F, 173, 185.
Alezais, H. 1902 A, 583.
Allen, J. A. 1892 A.
Ameghino, F. 1889 A, 1008.
Anderson, R. J. 1905 A, 326, fig. 18.
Anthony, R. 1912 A ("castors").
Arldt, T. 1907 D, 312.

Ash, F. H. 1908 A, 79 ("beaver").
Bardeleben, K. 1885 B, 86.
1889 A, 107.
Beddard, F. E. 1902 A, 467.
Berthold, A. A. 1825 A, 913, 983, pl. viii, figs. 1, 11, 12.
Brandt and Woldrich 1887 A, 81.
Brauer, A. 1914 A, 282.
Bronn, H. G. 1848 A, 247.
1849 A, 715.
Broom, R. 1901 B, 739 ("beaver").
Cleland, J. 1863 B, 301 ("beaver").
Cockerell and Miller 1914 A, 370, figs. 98-100.
Cope, E. D. 1895 G, 596.
Cuvier, F. 1812 A, 286; pl. v, fig. 12 ("castors").
1825 A, 182, pl. lxii ("castor").
Cuvier, G. 1805 A.
1825 A, v, 1, 10, 37, 48, pls. i-iii.
Dahms, P. 1901 A, 249, 273.
Dall and Harris 1892 A, 284, 289.
Depéret, C. 1909 A, 141.
Diener, C. 1912 A, 218 ("biber").
Doran, A. H. G. 1878 A, 410, pl. lx.
Eggeling, H. 1904 A, 93.
Eimer, G. H. T. 1901 A, 256 ("biber").
Eisler, P. 1895 A, 212.
Elliot, D. G. 1901 A, 115.
Erdl, M. 1843 A, 522, 529, pls. i, ii.
Fischer, J. B. 1829 A, 286.
Frech, F. 1906 A, 487.
Frech and Geinitz 1903 A, 36.
Gaupp, E. 1905 D, 1041.
Geikie, J. 1914 A, 319.
Geinitz, E. 1903 A.
1904 A.
Gervais, P. 1852 A, 20.
1853 B, 40.
1859 A, 18.
Giebel, C. G. 1855 A, 56, pl. xxiii, fig. 3.
1878 C, 854.
1883 A, pls. xxiii, xlvi, lviii, lxxi, lxxvii, lxxxiv, lxxxix.
Gottlieb, H. 1914 A, 214.
Gregory, W. K. 1920 A, 173, 242, fig. 127.
Gregory and Camp 1918 A, text-fig. 8.
Hagamann, G. 1907 A, 464.
Hasse and Schwarck 1870 A, 116.
Hay, O. P. 1912 D, 753.
1914 A, 452.
Heilprin, A. 1887 A, 360, 364, 365.
Heinick, P. 1908 A, 355.
Höfer, H. 1911 A, pl. xx, fig. 15.
Hoernes, R. 1886 A, 691.
Hue, E. 1907 A, pls. xliii, lxxxiv, xcviii, cxii, cxxvi, cxxxvi, cxlix, clxxvi.
Hull, E. 1914 A, 616.
Humphry, G. M. 1970 B, 76 ("beaver").
Huxley, T. H. 1863 F, 530, 579, figs. 50-52.
1870 F, 542.
Kampfen, P. N. 1905 A, 554.
Kellogg, L. 1911 A, 401.
Köstlin, O. 1844 A.
Kükenthal, W. 1891 C, 373.
Leche, W. 1887 A.
1921 A, 70.
Leunis and Ludwig 1883 A, 216.
Linstow, O. 1908 A, 213.
Lönnberg, E. 1909 A, 1, figs. 1-5.
Lydekker, R. 1910 E, 352 ("beavers").
Major, C. J. F. 1899 A, 502.
1908 A, 630.
Martins, C. 1857 A, 82 ("castor").
Matschie, P. 1901 A, 315.
1907 A, 215.
Matthew, W. D. 1915 K, 402.
Matthew and Cook 1909 A, 380.
Meckel, J. F. 1825 A.
Merriam, C. H. 1892 A, 62.
Miller, G. S. 1912 A, 947.
1912 B, 341.
1924 C, 298.
Miller and Gidley 1918 A, 435.
Miram, E. 1841 A, 541 ("biber").
Montagu, I. 1924 A, 1081, pls. i-iii.
Nehring, A. 1880 A.
Newton, E. T. 1882 A, 78.
1891 A, 49.
Osborn, H. F. 1909 D, 83, 85.
1910 B, 609.
1916 B, 536.
Owen, R. 1845 B, pls. cv-cvii, fig. 2; pl. cix, fig. 2.
1845 E, 126.
1858 A, 22 ("beaver").
1868 A, 870.
1869 B, 49.
Palmer, T. S. 1904 A, 162, 842.
Pander and Alton 1823 B, 6, pl. ii ("biber").
1824 A, 3 ("biber").
Parsons, F. G. 1903 A, 317.
Retzius, A. 1837 A, 489.
Romer and McCormack 1928 A, 60.
Rudolf, G. de M. 1922 A, 144, fig. 16 ("beaver").
Scharff, R. W. 1907 A, 56.
1911 A, 80.
Schlosser, M. 1902 J, 135.
1903 I, 178.
Schreuder, A. 1928 A, 374, figs. 1, 2.
Schwalbe, G. 1904 A, 207.
Schwarz, E. 1924 A, 20 ("beavers").
Scott, W. B. 1913 A, 96, 153, 157.
Seton, E. T. 1909 A, 447.
Taschenberg, O. 1899 A, 4516.
Taylor, W. P. 1915 A, 167.
1916 A, 417, 458.
Thomas, O. 1916 A, 303 ("beaver").
Tornier, G. 1889 A, 174.
1891 A, 114, 119, 171.
1894 B, 103 ("biber").
Trouessart, E. L. 1904 A, 345.
Vicq-d'Azyr, F. 1792 A, 507.
Virchow, H. 1907 A, 51 ("biber").
1918 B, 156, figs. 1-7 ("biber").
Wagner, A. 1841 A, 126.
Wagner, H. 1843 A.
Wallace, A. R. 1876 A, I, 140 ("beaver").
Waterhouse, G. R. 1839 C, 172.
1839 D, 595, 598, figs.
1842 A, 200, 203.
Weber, M. 1904 A, 498.
Weber and Abel 1928 A, 252, figs. 166, 169.
Weber and Burlet 1927 A, fig. 39.
Wilder, B. 1872 B, 321.
Winge, H. 1888 A.
1924 A, 8, 80, 84.
Woodward, A. S. 1898 D, 334.

Zittel and Schlosser 1911 A, 427.
1923 A, 510, 680, fig. 633.

Castor accessor Hay.

Hay, O. P. 1927 D, 266-268 (C. accessor); 75 (C. sp. indet.).
1923 A, 8 (C. "possibly n. sp.").
Lindgren and Drake 1904 A, 3 (C. "possibly n. sp.").
Lucas, F. A. 1900 H, 99 (C. "possibly n. sp.").
1904 F, 3 (C. "possibly n. sp.").
Merriam, J. C. 1917 A, 432 (C. "possibly n. sp.").
Pleistocene (Idaho); Idaho.

Castor californicus Kellogg.

Kellogg, L. 1911 A, 401, fig. 1.
Nomland, J. O. 1917 A, 217 ("fossil beaver").
Pliocene (Etchegoin); California.

Castor canadensis Kuhl.

Hay, O. P. 1902 A, 721.
Agassiz, L. 1859 B, 186 ("beaver").
Baird, S. F. 1857 A, 301.
Baker, F. C. 1920 A, 456.
Beddard, F. E. 1902 A, 468.
Brown, B. 1908 A, 195.
Brunner, J. 1904 A, 476, figs. 1-18.
Claypole, E. W. 1897 C, 53 ("beaver").
Coleman, A. P. 1904 A, 351 ("beaver").
1917 A, 359 ("beaver").
Collett, J. 1883 A, 73 ("beaver").
Cope, E. D. 1895 G, 596, 599 (C. fiber).
Coues, E. 1883 A, 118, fig. 62 (C. fiber).
Cummins, W. F. 1893 A, 184 ("beaver").
Cuvier, G. 1809 A, 48, pl. vii, figs. 6, 9, 10 ("Castor du Canada").
Dawson, J. W. 1863 F, 914 (C. fiber).
Dugmore, A. R. 1914 A, 1-225, figs.
Elliot, D. G. 1901 A, 116.
Fischer, J. B. 1829 A, 288.
Foote, J. S. 1916 A, 125, pl. xvi.
Frech, F. 1906 A, 484.
Frech and Geinitz 1903 A, 36 (C. fiber).
Gidley, J. W. 1920 B, 282 ("beavers." This species?).
Gilbert, G. K. 1890 A, 304, 394 (C. fiber).
Gilmore, C. W. 1908 A, 37.
Gordon, R. 1902 B, 1033 ("beaver").
Hahn, W. L. 1909 A, 487.
Hall, J. 1843 A, 367 ("beaver").
1846 B, 391 ("beavers").
1871 A, 100 ("beavers").
Haug, E. 1911 A, 1873 (C. fiber).
Hay, O. P. 1912 D, 753, pl. xxvii.
1914 A, 26, 32, 452, pl. lxx.
1920 B, 93, 105, 116.
1923 A, 481.
1924 D, 240, 296 (Castor); 373 ("beaver").
1927 D, 242 (C. fiber); 266 (C. canadensis).
1928 C, 425, 429.
Höfer, H. 1911 A, 448.
Holden, F. H. 1917 A, 76, pl. v, figs. 2, 3, 6, 7; pl. vi, figs. 14-16; pl. vii, figs. 22-24, pl. viii, figs. 25, 26, 35-37; pl. ix, figs. 43-45; pl. x, figs. 56-61; pl. xi, fig. 63; text-figs. C, F, I, L, O, R.
Lambe, L. M. 1904 C, 31, 39, 51.
1912 A, 14.
Holmes, F. S. 1860 A, iv, vii ("beaver").
Kraglievich, L. 1926 C, 62.
Leidy, J. 1859 J, 181 ("beaver").
1889 H, 18 (C. fiber).
Leighton, M. M. 1921 A, 513.
Linstow, O. 1908 A, 227, 330 (C. fiber).
Lobley, J. L. 1908 A, 196.
Lockwood, S. 1883 A, 365 ("beaver").
1883 B, 343 ("beaver").
McAdams, W. 1884 B, 269 ("beavers").
McCornack, E. C. 1920 A, 23 (C. fiber).
Major, C. J. F. 1908 B, 630, fig. 131.
Martin, Hand. T. 1912 A, 391 (C. fiber).
Martin, Hor. T. 1892 A, 1-238, figs.
Matschie, P. 1907 A, 215.
Matthew, W. D. 1904 C, 260.
Meek, F. B. 1855 A, 215 (C. fiber americana).
Mercer, H. C. 1894 A, 98 ("beaver").
1897 A, 444 ("beaver").
Miller, G. S. 1912 B, 341.
1924 C, 298.
Osborn, H. F. 1899 G, 539 ("beavers").
1910 B, 458, 459 (C. fiber); 490 ("Castor").
Osborn and Anthony 1922 A, 226.
Owen, R. 1868 A, 870.
1869 B, 55, pl. iii, fig. 9.
Quackenbush, L. S. 1909 A, 111, 127, pl. xx; text-figs. 5-7.
Rehs, J. 1914 A, 94.
Reichenau, W. 1912 A, 210, figs, 2, 5, 6, 17, 19 (C. americanus).
Rhoads, S. N. 1903 A, 243.
Schmidt, E. 1872 A, 251 (C. fiber).
Seton, E. T. 1909 A, 447 pl. xxxvii; text-figs. 127-139, map 25.
Spencer, J. W. 1883 A, 308 (C. fiber).
Swallow, G. C. 1858 A, 35 (C. fiber americana).
Taschenberg, O. 1899 A, 4516.
Taylor, W. P. 1916 A, 417, 428, 432.
Thomas, A. O. 1912 A, 570 ("beaver").
Trouessart, E. L. 1904 A, 346.
Udden, J. A. 1899 A, 349 ("beaver").
Volk, E. 1911 A, 83 ("beaver").
Weber and Abel 1928 A, 275.
Weld, M. C. 1869 A, 433 ("beaver").
Wyman, J. 1850 D, 280 ("beaver").
Yates, L. G. 1904 A, 8 (C. fiber).
Recent; Newfoundland to Alaska, south to Mexican boundary, east to North Carolina: Plestocene; New York, Pennsylvania, Maryland, South Carolina, Tennessee, Indiana, Illinois, Iowa, Texas.

Castor subauratus Taylor.

Taylor, W. P. 1912 A, 167.
Hay, O. P. 1927 D, 214.
Kellogg, L. 1912 A, 155, figs. 1-4.
Stock, C. 1918 A, 469.
1925 A, 113.
Taylor, W. P. 1916 A, 428, 447, 461, figs. J-L.
Recent; northern half of California: Pleistocene, Shasta County, California.

Castor sp. indet.

Hay, O. P. 1923 A, 350. Pleistocene; Maryland.
1927 D, 303. Pleistocene; Oregon.
Matthew, W. D. 1902 F, 320. Pleistocene; Oregon.
Merriam, J. C. 1917 A, 433. Pliocene (Etchegoin); California.
Miller, L. H. 1912 A, 81. Pleistocene; Oregon.
Stock, C. 1925 A, 195. Pleistocene (Christmas Lake); Oregon.

SIGMOGOMPHIUS J. C. Merriam. Type *S. lecontei* J. C. Merriam.

Hay, O. P. 1902 A, 722.
Matthew, W. D. 1907 A, 205.
Merriam, J. C. 1913 E, 383.
Palmer, T. S. 1904 A, 631, 843.
Schlosser, M. 1898 G, 136.
1902 J, 135.
1903 I, 178.

Sigmogomphius lecontei J. C. Merriam.

Hay, O. P. 1902 A, 722.
Kellogg, L. 1910 A, 430, fig. 13 (Eucastor).
Lawson and Palache 1902 A, 390.
Matthew, W. D. 1909 C, 116.
Merriam, J. C. 1914 D, 14.
Schlosser, M. 1898 G, 136.
Trouessart, E. L. 1904 A, 347.
Upper Miocene or Lower Pliocene; California.

CASTOROIDIDÆ Allen.

Hay, O. P. 1902 A, 733.
Arldt, T. 1907 D, 83, 247.
1912 A, 744.
Coues, E. 1883 A, 117.
Hay, O. P. 1912 D, 755.
1914 A, 455.
Matthew, W. D. 1905 D, 53.
1910 B, 70.
Miller and Gidley 1918 A, 435.
Taylor, W. P. 1916 A, 457.
Weber, M. 1904 A, 512.

CASTOROIDES Foster. Type *C. ohioënsis* Foster.

Hay, O. P. 1902 A, 733.
Ameghino, F. 1889 A, 976, 981.
1912 B, 179.
Aughey, S. 1876 A, 263 (Castor ohioensis).
Baker, F. C. 1920 A, 456.
Beddard, F. E. 1902 A, 506.
Cope, E. D. 1880 U, 158.
Dall and Harris 1892 A, 284.
Diener, C. 1912 A, 216.
Foster, J. W. 1857 A, 361.
Gidley, J. W. 1912 C, 19.
Gregory, W. K. 1910 A, 454, fig. 30.
Hay, O. P. 1910 D, 372.
1912 B, 8, fig. 4.
1912 D, 755.
1914 A, 455.
1918 B, 10.
1919 B, 379.
1923 A, 481.
1925 D, 242.
Heilprin, A. 1887 A, 365.
Hoernes, R. 1886 A, 691.
Lucas, F. A. 1902 B, 256.
Martin, H. T. 1912 A, 389.
Matthew, W. D. 1910 B, 71.
1912 B, 186.
1915 K, 402.
1918 A, 199.
Osborn, H. F. 1905 I, 110.
1909 D, 85.
1910 B, 609.
Palmer, T. S. 1904 A, 162, 843.
Scharff, R. F. 1911 A, 153, 285, 286.
Schlosser, M. 1902 I, 707.
Schreuder, A. 1928 A, 377.
Scott, W. B. 1913 A, 205.
1916 A, 119 ("giant beaver").
Wallace, A. R. 1876 A, II, 234.
Weber, M. 1904 A, 512.
Winge, H. 1924 A, 80, 84.
Zittel and Schlosser 1911 A, 427.
1923 A, 511, 680.

Castoroides ohioënsis Foster.

Hay, O. P. 1902 A, 733.
Allen, G. M. 1926 A, 448.
Baker, F. C. 1920 A, 456 (C. ohioënsis, C. kansensis).
1920 B, 63.
Bannister, H. M. 1870 A, 113.
Calvin, S. 1911 A, 215, pl. xxiii.
Collett, J. 1876 A, 246.
Cope, E. D. 1891 N, 71, fig. 41.
1895 G, 597 ("Castoroides").
Coues, E. 1883 A, 117.
Dachnowski, A. 1912 A, 38, 39, 218.
Emmons, E. 1860 A, 243, fig. 209.
Foster, J. W. 1869 A, 238, 254.
1873 A, 92.
Gidley, J. W. 1911 A, 436.
Hartnagel and Bishop 1921 A, 84, pls. xx, xxi.
Hay, O. P. 1910 D, 373.
1912 D, 755, pls. xxviii, xxix.
1914 A, 26, 456, pls. lxxi, lxxii; text-fig. 138.
1916 E, 54 ("giant beaver").
1918 B, 22.
1920 B, 116, 129.
1923 A, 481.
1924 D, 375 (C. ohioensis); 210, 269 (C. kansensis).
1926 E, 391 ("giant-beaver").
1927 C, 281 ("Castoroides").
1927 D, 277, 278, 285.
1928 C, 425, 428, 429 (This species?).
Hildreth, S. P. 1837 A, 80, figs. 15-18 (No name).
Howorth, H. H. 1905 A, 99 ("giant beaver").
Leighton, M. M. 1921 A, 513.
Linstow, O. 1908 A, 225.

McAdams, W. 1883 A, lxxx ("extinct beaver").
Martin, Hand. T. 1912 A, 389, pl. xxiv, fig. A; pl. xxv, fig. A; pl. xxvi, fig. A (C. ohioensis); pl. xxiv, fig. B; pl. xxv, fig. B; pl. xxvi, fig. B (C. kansensis).
Martin, Hor. T. 1892 A, 20.
Matthew, W. D. 1915 K, 410 ("Castoroides").
Mercer, H. C. 1894 C ("giant chinchilla").
Newberry, J. S. 1873 F, 87 ("giant beaver").
Orton, E. 1870 A, 56 ("hog's tusk").
1873 A, 428.
Osborn, H. F. 1910 B, 439, 459.
1920 A, 244, fig. ("Castoroides").
Rhoads, S. N. 1903 A, 245.
Russell and Leverett 1908 A, 9.
Schmidt, E. 1872 A, 251 ("Castoroides").
Scott, W. B. 1913 A, 195 (fig. 113), 205.
Serres, M. 1852 A, 122 ("C. orioensis").
Smith, B. 1914 A, 463, fig. 1.
Thomas, A. O. 1921 A, 309.
Williamson, C. W. 1905 A, 338, figure.
Winchell, A. 1870 A, 504.
Winchell, N. H. 1880 A, 181, pl.
1888 A, 306.
Winchell, N. H. 1910 A, 418.
Wood, N. A. 1914 A, 759.
Worthen, A. H. 1890 A, 8.
Pleistocene; New York, Pennsylvania, Ohio, Michigan, Indiana, Illinois, South Carolina, Mississippi, Tennessee, Texas, Oklahoma, Kansas, Iowa, Nebraska, Minnesota, South Dakota, Oregon.

Castoroides sp. indet.

Hay, O. P. 1914 A, 26.
1924 D, 305. Pleistocene; Nebraska.
1927 D, 128, 190, 243. Pleistocene; Oregon.
McCornack, E. C. 1920 A, 23. Pleistocene (Fossil Lake); Oregon.
Matthew, W. D. 1902 F, 317, 320.
1918 A, 227.
Matthew and Cook 1909 A, 380.
Miller, L. H. 1912 A, 81. Pleistocene (Fossil Lake); Oregon.
Osborn, H. F. 1910 B, 457, 466, 475.
Stock, C. 1925 A, 195. Pleistocene (Fossil Lake); Oregon.

Superfamily MUROIDÆ, new form.

Unless otherwise indicated the authors here cited use for this superfamily the name Myomorpha.
Hay, O. P. 1902 A, 726.
Ameghino, F. 1893 B, 444.
1893 D, 15.
1912 B, 170, 172.
Anonymous 1897 B, 368.
Arldt, T. 1907 D, 667.
Beddard, F. E. 1902 A, 469.
Bovero, A. 1905 A, 119.
Cockerell, Miller and Prinz 1914 A, 349.
Dawson, A. B. 1925 A, 205, figs. 1, 2 ("rats").
Doran, A. H. G. 1878 A, 418.
Giebel, C. G. 1865 C, 430 ("muriformen").
Gill, T. 1872 B, 20 (Myoidea).
Gregory, W. K. 1910 A, 330.
1914 G, 380.
Hogben, L. T. 1919 A, 72.
Matthew, W. D. 1910 B, 64, 66, 69.
1914 H, 350.
Matthew, W. D. 1915 A, 233.
Miller and Gidley 1918 A, 435 (Myoidæ).
Rehs, J. 1914 A, 69, 92 (Myomorphi).
Schapiro, B. 1913 A, 209.
Schlosser, M. 1902 I, 708 (Myomorphi).
Seeley, H. G. 1886 A, 514.
Terra, P. 1911 A, 302 (Muridæ).
Thomas, L. J. 1926 A, 59-68, 11 figs. ("mouse").
Trouessart, E. L. 1904 A, 348.
Wagner, A. 1841 A, 123 (Murini).
Waterhouse, G. R. 1839 D, 92 (Murina).
1842 A, 200 (Muridæ).
Weber, M. 1904 A, 489.
Weber and Abel 1928 A, 280 (Myoidea).
Weber and Burlet 1927 A, xiv (Myoidea).
Winge, H. 1888 A, 155.
1924 A, 8, 30 (Muridæ).
Woodward, A. S. 1898 B, 379.
Zittel and Schlosser 1911 A, 429 (Myoidea).
1923 A, 513 (Myoidea).

MURIDÆ Gray.

Gray, J. E. 1821 A, 303.
Hay, O. P. 1902 A, 726.
Adams, L. A. 1919 A, 117, pl. x (Mus).
Addison and Appleton 1915 A, 43, figs. 1-29 ("rat").
Adloff, P. 1913 A, 238 ("ratte").
Ahrens, H. 1912 A, 513.
Anthony, R. 1912 A.
Arldt, T. 1907 D, 666.
Beddard, F. E. 1902 A, 471 (Muridæ, Murinæ).
Bonaparte, C. L. 1832 A, 288.
Brandt and Woldrich 1887 A, 66 (Murina).
Caush, D. E. 1904 A, 157 ("rats").
Chandler, A. C. 1914 B, 134.
Coues, E. 1875 D, 173.
Cuvier, F. 1812 A, 279, pl. xv, fig. 3 ("rats").
1825 A, 166 ("rats").
Cuvier, G. 1805 A ("rats").
Doran, A. H. G. 1878 A, 410.
Drüner, L. 1904 A, 258, figs. 1-16, 19 ("maus").
Elliot, D. G. 1901 A, 117.
Freund, P. 1892 A, 525.
Fuchs, H. 1905 B, 161 ("maus").
Gaupp, E. 1910 C (Mus).
Gegenbaur, C. 1864 C, 181 ("murinen").
1865 C, 550, fig. 3 (Mus).
Gervais, P. 1859 A, 38 ("muridés").
Giebel, C. G. 1883 A ("murinen").
Hinton, M. A. C. 1923 A, 162.
Hoernes, R. 1886 A, 690.
Hrdlička, A. 1903 A, 381.
Jenkinson, F. W. 1911 A, 305, figs. 1-8 ("mouse").
Kampfen, P. N. 1905 A, 553.
Kravets, L. P. 1906 A, 50 (Mus).
Krukenberg, A. 1849 A, 413 ("ratte").
Krumbach, T. 1904 A, 279 ("muriden").

Leche, W. 1887 A.
Ledouble, A. F. 1906 A, 550 ("rats").
Leunis and Ludwig 1883 A, 219.
Lobley, J. L. 1908 A, 195, 200, 205.
Mahn, R. 1890 A, 654, pl. xxv (Mus).
Major, C. J. F. 1899 A, 473.
Matthew, W. D. 1909 C, 105, 107, 110, 116, 119.
1910 B, 72.
1913 B, 291.
1915 K, fig. 17 ("mice").
Meckel, J. F. 1825 A ("ratten").
Miller, G. S. 1912 A, 591.
1912 B, 126.
Miller and Gidley 1918 A, 438.
Nowikoff, M. M. 1909 A, 1 (Mus).
Osborn, H. F. 1909 D, 63, 66.
1910 B, 221, 230, 536.
Owen, R. 1866 B, 378.
1868 A, 299.
Paterson, A. M. 1901 A, 21 ("rat").
1902 A, 777 ("rat").
Pictet, F. J. 1853 A, 245 ("murins").
Pouchet and Chabry 1884 A, 171 ("rat").
Rehs, J. 1914 A, 69, 93.
Reichert, K. B. 1849 A, 447 ("maus").
Roetter, F. 1889 A, 456, pl. vii (Mus).
Schapiro, B. 1913 A, 276.
Schlosser, M. 1902 I, 708.
Tims, H. W. M. 1903 A, 143.
Tornier, G. 1891 A, 119 ("muriden").
Tourneux, F., and J. P. 1912 A, 72, fig. 7 ("rat").
Trouessart, E. L. 1878 A, 10.
Wagner, A. 1841 A, 123 (Murina).
Wallace, A. R. 1876 A, I, 147; II, 229.
1894 A, 436.
Waterhouse, G. R. 1839 C, 173.
Weber, M. 1904 A, 502, 512 (Muridæ); 513 (Murinæ).
Weber and Abel 1928 A, 282.
Weiss, A. 1901 A, 500 ("ratte").
Woodward, A. S. 1898 E, 332 ("rats, mice").

At present no genera of North American fossil vertebrates are referred to this family.

ISCHYROMYIDÆ Alston.

Alston, E. R. 1876 A, 67, 78.
Hay, O. P. 1902 A, 723.
Arldt, T. 1907 D, 660.
1912 A, 698.
Cockerell, Miller, and Prinz 1914 A, 350 ("ischyromids").
Cope, E. D. 1874 B, 477 (Protomyidæ).
1880 U, 156 (Protomyidæ).
1884 O, 37 (Protomyidæ).
Coues, E. 1883 A, 117.
Gregory, W. K. 1920 A, 24, 243.
Hilzheimer, M. 1913 A, 569 (Ischyromyinæ).
Matthew, W. D. 1905 D, 53.
1909 C, 94, 97, 99, 101, 104, 105, 110.
1909 D, 300.
1910 B, 43, 44, 64, 69, 71.
1912 B, 186.
1914 B, 387.
1915 A, 231, 233.
1915 K, 474.
Matthew, W. D. 1918 H, 614.
Matthew and Granger 1925 B, 7.
Miller and Gidley 1918 A, 436.
1920 A, 73.
Osborn, H. F. 1909 D, 128.
1910 B, 619.
Palmer, T. S. 1904 A, 748, 849.
Scharff, R. F. 1911 A, 228.
Schlosser, M. 1902 I, 708 (Ischyromyinæ).
1911 A, 166 ("ischyromyiden").
Scott, W. B. 1913 A, 280.
Taylor, W. P. 1915 A, 167.
Trouessart, E. L. 1904 A, 476 (Ischyromidæ, Ischyromyinæ).
Troxell, E. L. 1922 A, 123.
1923 D, 395.
Weber and Abel 1928 A, 271, 296.
Winge, H. 1924 A, 7, 16 (Ischyromyini).
Zittel and Schlosser 1911 A, 425.
1923 A, 509, 518, 670 (Ischyromyinæ).

ISCHYROMYS Leidy. Type *I. typus* Leidy.

Hay, O. P. 1902 A, 725.
Douglass, E. 1905 A, 211.
1909 C, 231, 283, 285.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 365.
Kraglievich, L. 1926 C, 47.
Matthew, W. D. 1901 B, 369, 370.
1909 C, 110.
1910 B, 43, 61, 62, 71, 63 (Titanotheriomys, subg.).
1924 E, 748.
Matthew and Granger 1923 B, 4.
Osborn, H. F. 1909 D, 61.
1910 B, 534.
Palmer, T. S. 1904 A, 352, 850.
Schlosser, M. 1902 I, 707.
Scott, W. B. 1913 A, 254.
Seeley, H. G. 1886 A, 515.
Sinclair, W. J. 1924 A, 119.
Troxell, E. L. 1922 A, 123.
Troxell, E. L. 1923 D, 385, 390, 393, figs. 21, 22.
Wallace, A. R. 1876 A, I, 140.
Weber and Abel 1928 A, 296.
Winge, H. 1924 A, 15.
Zittel and Schlosser 1911 A, 425.
1923 A, 509, 518.

Ischyromys chrysodon (Cope).

Cope, E. D. 1873 T, 5 (Gymnoptychus).
Hay, O. P. 1902 A, 725 (I. typus, in part).
Miller and Gidley 1920 A, 74.

Oligocene (White River); region of Nebraska, South Dakota or Colorado.

Ischyromys cristatus (Cope).

Cope, E. D. 1873 S, 1 (Colotaxis).
Hay, O. P. 1902 A, 725 (I. typus, in part).
Matthew, W. D. 1909 C, 105.
1910 B, 62.

Middle Oligocene (Cedar Creek); Colorado.

Ischyromys parvidens Miller and Gidley.

Miller and Gidley 1920 A, 73.
Oligocene (White River); South Dakota.

Ischyromys pliacus Troxell.

Troxell, E. L. 1922 A, 124, fig. 1.
Oligocene (Lower Oreodon); Colorado.

Ischyromys typus Leidy.

Hay, O. P. 1902 A, 725.
Cook, H. J. 1912 D, 36.
Douglass, E. 1901 B, 242.
1903 A, 149.
Lambe, L. M. 1905 D, 368 A.
1908 A, 11, 56, pl. viii, fig. 18.
Matthew, W. D. 1901 B, 357.
1909 C, 105.
1910 B, 62, figs. 16-18.
Miller and Gidley 1920 A, 74.
O'Harra, C. C. 1910 A, 87, 127.
1920 A, 151.
Sinclair, W. J. 1924 A, 102.
Trouessart, E. L. 1904 A, 478.
Troxell, E. L. 1922 A, 123, fig. 6.
Zittel and Schlosser 1911 A, 425, fig. 590.
1923 A, 509, fig. 630.
Middle Oligocene (Brule); Nebraska: (White River); Montana: (Cypress Hills); Saskatchewan.

Ischyromys typus lloydi Troxell.

Troxell, E. L. 1922 A, 125, figs. 4, 5, 7.
1923 D, 393, figs. 19, 20.
Oligocene (Lower Brule); Nebraska.

Ischyromys typus nanus Troxell.

Troxell, E. L. 1922 A, 124, figs. 2, 3.
Oligocene (Lower Oreodon); Colorado.

TITANOTHERIOMYS Matthew. Type *Ischyromys veterior* Matthew.

Matthew, W. D. 1910 B, 63 (As subgenus).
Miller and Gidley 1920 A, 73, 74.

Titanotheriomys veterior (Matthew).

Matthew, W. D. 1903 B, 211 (Ischyromys).
Granger, W. 1910 A, 240 (Ischyromys).
Matthew, W. D. 1908 C, 104 (Ischyromys).
1910 B, 63 [I. (Titanotheriomys)].
Miller and Gidley 1920 A, 73, 74.
Troxell, E. L. 1922 A, 123.
Zittel and Schlosser 1911 A, 425 ("Titanotheriomys").
Lower Oligocene (White River); Montana, Wyoming.

CRICETIDÆ Rochebrune.

Rochebrune, A. T. 1883.
Hay, O. P. 1902 A, 726 (Muridæ, part).
Brubacher, H. 1892 A, 3 (Cricetus).
Cockerell, Miller, and Printz 1914 A, 349 (Cricetinæ).
Cockerell and Prinz 1914 A, 351 (Cricetinæ).
Coues, E. 1883 A, 103 (Arvicolinæ); 113 (Cricetinæ).
Denker, A. 1901 A, 661 (Cricetus).
Depéret, C. 1907 B ("cricétidés").
Gervais, P. 1852 A, 25 (Cricetus).
1859 A, 43 (Crícetes).
Hay, O. P. 1923 A, 312.
Matthew, W. D. 1914 H, 350 (Cricetinæ).
Matthew and Granger 1923 B, 3.
Miller, G. S. 1912 B, 126 (Cricetinæ).
1924 C, 300.
Miller and Gidley 1918 A, 436.
Palmer, T. S. 1904 A, 851.
Roger, O. 1896 A, 120.
Schwarz, E. 1924 A, 422 (Cricetus).
Taschenberg, O. 1899 A, 4534 (Cricetus).
Terra, P. 1911 A, 303.
Thomas, O. 1916 B, 139 (Muridæ).
Trouessart, E. L. 1904 A, 393 (Cricetinæ).
Waterhouse, G. R. 1839 D, 274 (Muridæ, in part).
Weber and Abel 1928 A, 282 (Cricetinæ).
Winge, H. 1924 A, 8, 55 (Cricetini).

CRICETINÆ Flower and Lydekker.

Flower and Lydekker 1891 A, 463.
Hay, O. P. 1902 A, 726 (Cricetinæ); 727 (Neotominæ).
Ameghino, F. 1889 A, 1014 (Hesperomyidæ).
1912 B, 173 (Cricetinæ); 174 (Neotominæ).
Arldt, T. 1907 B, 450 (Hesperomyinæ).
1907 D, 648 (Cricetidæ).
1912 A, 742 (Neotominæ, Sigmodontinæ).
Beddard, F. E. 1902 A, 479 (Sigmodontinæ); 480 (Neotominæ).
Cockerell and Prinz 1914 A, 354 (Neotominæ); 356 (Sigmodontinæ).
Coues, E. 1875 D, 174 ("sigmodont series").
Depéret, C. 1912 A, 708 ("cricetidés").
Elliot, D. G. 1901 A, 154 (Neotominæ).
Flower, W. H. 1883 D, 419.
Freund, P. 1892 A, 548 (Cricetus).
Goldman, E. A. 1910 A, 13 (Neotominæ).
1918 A, 3.
Hinton, M. A. C. 1923 A, 166.
Matthew, W. D. 1915 A, 228.
Merriam, C. H. 1894 A, 225, 228 (Neotominæ).
Miller, G. S. 1912 B, 126.
1924 C, 300.
Rehs, J. 1914 A, 69, 93 (Hesperomyidæ).
Schlosser, M. 1902 I, 708 (Cricetidæ).
Thomas, O. 1896 A, 1019 (Sigmodontinæ).
Trouessart, E. L. 1878 A, 10 (Hesperomyinæ).
1897 A, 511 (Sigmodontinæ); 540 (Neotominæ).
1904 A, 397 (Sigmodontinæ); 438 (Neotominæ).
Weber, M. 1904 A, 502 (Cricetinæ, Sigmodontinæ).
Weber and Abel 1928 A, 283 (Cricetinæ, Microtinæ).
Winge, H. 1888 A, 125 (Cricetini).
Zittel and Schlosser 1911 A, 429 (Cricetinæ); 430 (Hesperomyinæ).
1923 A, 513, 518 (Cricetinæ, Hesperomyinæ)

PAREUMYS Peterson. Type *P. milleri* Peterson.

Peterson, O. A. 1919 A, 66.

Pareumys milleri Peterson.

Peterson, O. A. 1919 A, 66, fig. 7.
Upper Eocene (Uinta); Utah.

EUMYS Leidy. Type *E. elegans* Leidy.

Hay, O. P. 1902 A, 726.
Ameghino, F. 1912 B, 172.
Depéret, C. 1912 A, 708.
Douglass, E. 1909 C, 231, 285.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1901 B, 369.
1909 C, 110.
1910 B, 68, 72.
Matthew and Granger 1924 A, 6.
Miller, G. S. 1927 A, 19.
Osborn, H. F. 1910 B, 221, 536.
Palmer, T. S. 1904 A, 276, 852.
Peterson, O. A. 1905 A, 174.
Schlosser, M. 1911 A, 166.
Sinclair, W. J. 1924 A, 119.
Wallace, A. R. 1876 A, I, 140.
Weber, M. 1904 A, 512.
Winge, H. 1888 A, 109, 156.
1924 A, 30, 54.
Zittel and Schlosser 1911 A, 430.
1923 A, 514.

Eumys elegans Leidy.

Hay, O. P. 1902 A, 726.
Cook, H. J. 1912 D, 36.
Matthew, W. D. 1901 B, 357.
1909 C, 105.
O'Harra, C. C. 1910 A, 88, 127.
1920 A, 151.
Seeley, H. G. 1886 A, 515.
Sinclair, W. J. 1924 A, 102.
Oligocene (Brule); region of South Dakota, Nebraska, Colorado?

Eumys minor Douglass.

Douglass, E. 1901 B, 242, 252.
Trouessart, E. L. 1904 A, 397.
Oligocene (White River); Montana.

ONYCHOMYS Baird. Type *Hypudæus leucogaster* Wiedman.

Baird, S. F. 1857 A, 458.
Miller, G. S. 1912 B, 126.
1924 C, 300.
Palmer, T. S. 1904 A, 476.

Onychomys bensoni Gidley.

Gidley, J. W. 1922 B, 120, 125 pl. xxxv, fig. 3.
Hay, O. P. 1927 D, 136.
Pleistocene (San Pedro Valley); Arizona.

Onychomys pedroensis Gidley.

Gidley, J. W. 1922 B, 120, 125, pl. xxxv, fig. 1.
Hay, O. P. 1927 D, 136.
Pleistocene (San Pedro Valley); Arizona.

Onychomys torridus ramona (Rhoads).

Rhoads, S. N. 1893, Amer. Naturalist, xxvii, 833 (O. ramona).
Dice, L. R. 1925 A, 123.
Hay, O. P. 1927 D, 183.
Merriam, C. H. 1904, Proc. Biol. Soc. Wash., xvii, 124 (O. t. ramona).
Miller, G. S. 1912 B, 128 (O. ramona).
1924 C, 305.
Recent; southern California and Lower California: Pleistocene (La Brea); California.

REITHRODONTOMYS Giglioli. Type *Mus lecontei* Audubon and Bachman.

Giglioli, E. H. 1873, Richerche int. Dist. Geog. Gen. Roma, 160.
Allen, J. A. 1892 A.
Ameghino, F. 1889 A, 1024 (Reithrodon).
1912 B, 179.
Baird, S. F. 1857 A, 447 (Reithrodon, preoccupied).
Elliot, D. G. 1901 A, 148.
Howell, A. H. 1914 A, 1-81, pls. i-vii, text-figs. 1-6.
Lilljeborg, W. 1866 A, 17 (Reithrodon).
Matthew, W. D. 1910 B, 72.
1915 K, 402.
Merriam, C. H. 1892 A, 61.
Miller, G. S. 1912 B, 129.
1924 C, 306.
Osborn, H. F. 1909 D, 90.
Palmer, T. S. 1904 A, 602, 853 (Reithrodon, Reithrodontomys).
Scott, W. B. 1913 A, 182 (Rheithroden).
Trouessart, E. L. 1904 A, 424.
Weber, M. 1904 A, 502.

Reithrodontomys megalotis longicauda (Baird).

Baird, S. F. 1857 A, 451 (Reithrodon longicauda).
Dice, L. R. 1925 A, 123 (R. m. longicaudus).
Grinnell, T. 1913, Proc. Calif. Acad. Sci. (4), III, 303.
Hay, O. P. 1927 D, 183.
Miller, G. S. 1912 B, 133 (R. l. longicauda).
1924 C, 308 (R. m. longicaudus).
Recent; Oregon to Lower California: Pleistocene (La Brea); California.

Reithrodontomys simplicidens B. Brown.

Brown, B. 1908 A, 196, pl. xxi.
Hay, O. P. 1924 D, 251.
Pleistocene (Middle); Arkansas.

ELIGMODONTIA Cuvier. Type *E. typus* Cuvier.

Cuvier, F. 1837, Ann. Sci. Nat. (2), VII, 169.
Thomas, O. 1916 B, 140.

Eligmodontia arizonæ Gidley.

Gidley, J. W. 1922 B, 120, 124, pl. xxxiv, fig. 15.
Hay, O. P. 1927 D, 136.
Pleistocene (San Pedro Valley); Arizona.

PEROMYSCUS Gloger. Type *P. arboreus* Gloger.

Gloger, C. W. L. 1841, Hand- u. Hilfsbuch Naturgesch., xxx, 95.
Hay, O. P. 1902 A, 726.
Ameghino, F. 1889 A, 1014 (Hesperomys).
1912 B, 172.
Arldt, T. 1907 D, 118 (Hesperomys).
Cockerell and Prinz 1914 A, 356, figs. 25-27.
Coues, E. 1875 D, 176 (Hesperomys).
1883 A, 107, 110 (Hesperomys).
Elliot, D. G. 1901 A, 123.
Frech and Geinitz 1903 A, 39 (Hesperomys).
Gaupp, E. 1913 A, 125 (Hesperomys).
Giebel, C. G. 1855 A, 50, pl. xxi, fig. 7.
1883 A, pls. xxviii, xcii (Hesperomys).
Haug, E. 1911 A, 1706, 1886 (Hesperomys).
Heilprin, A. 1887 A, 355, 365 (Hesperomys).
Kraglievich, L. 1926 C, 47 (Hesperomys).
Leche, W. 1887 A (Hesperomys).
Lilljeborg, W. 1866 A, 17 (Hesperomys).
Lull, R. S. 1922 C, 603.
Matthew, W. D. 1909 C, 110, 119 (Peromyscus); 118 (Hesperomys).
1910 B, 72.
1915 K, 402.
Miller, G. S. 1912 B, 138.
1924 C, 318.
1927 A, 19 (Hesperomys).
Osborn, H. F. 1909 D, 90.
1910 B, 470, 537 (Hesperomys).
1915 B, 207.
1915 D, 284.
1921 D, 6.
1926 C, 340.
Osgood, W. H. 1909 A.
Palmer, T. S. 1904 A, 525, 853.
Rehs, J. 1914 A, 69, 93 (Hesperomys).
Schlosser, M. 1902 I, 738 (Hesperomys).
1924 A, 43 (Hesperomys).
Seton, E. S. 1909 A, 490, text-figs. 144-146, map 27.
Thomas, O. 1895 A, 190, 192.
Trouessart, E. L. 1904 A, 399.
Van den Broeck, A. J. P. 1912 A, 783 (Hesperomys).
Wallace, A. R. 1876 A, I, 140, 145, 147 (Hesperomys).
Weber, M. 1904 A, 502 (Hesperomys).
Weber and Abel 1928 A, 283.
Winge, H. 1888 A, 11, 109, 124, 156 (Hesperomys).
1924 A, 8, 34, 35, 56 (Hesperomys).
Zittel and Schlosser 1911 A, 430 (Hesperomys).
1923 A, 514, 672, fig. 638 (Peromyscus, Hesperomys).

Peromyscus antiquus Kellogg.

Kellogg, L. 1910 A, 432, fig. 16.
Merriam, J. C. 1911 B, 211, 213, 214, 253, 255.
1917 A, 429.
Pliocene (Thousand Creek); Nevada.

Peromyscus boylii (Baird).

Baird, S. F. 1855, Proc. Acad. Nat. Sci. Phila., VII, 335 (Hesperomys).
1857 A, 471, pl. viii, fig. 3 (Hesperomys).
Hay, O. P. 1927 D, 223.
Miller, G. S. 1912 B, 157.
1924 C, 338.
Osgood, W. H. 1909 A, 142, pl. iv, fig. 1; pl. vii, fig. 9 (P. boylei).
Stock, C. 1918 A, 468 (P. boylei).
1925 A, 113 (P. boylei).
Recent; Mt. Shasta to Guatamala: Pleistocene; California.

Peromyscus brachygnathus Gidley.

Gidley, J. W. 1922 B, 120, 124, pl. xxxiv, fig. 12.
Hay, O. P. 1927 D, 136.
Pleistocene (San Pedro Valley); Arizona.

Peromyscus imperfectus Dice.

Dice, L. R. 1925 A, 123, figs. 1, 2.
Hay, O. P. 1927 D, 183.
Pleistocene (La Brea); California.

Peromyscus leucopus (Rafinesque).

Hay, O. P. 1902 A, 726.
Coues, E. 1875 D, 178 (Hesperomys).
1883 A, 110, fig. 55 (Hesperomys).
Elliot, D. G. 1901 A, 124, fig. 30 (P. americanus).
Gidley, J. W. 1913 B, 96.
Hay, O. P. 1923 A, 493.
Lull, R. S. 1917 B, 373.
Mercer, H. C. 1894 A, 98 ("white-footed mouse").
Miller, G. S. 1912 B, 153.
1924 C, 334.
Osgood, W. H. 1909 A, 113, pl. vi, fig. 4, text-fig. 2.
Rhoads, S. N. 1903 A, 243.
Recent; Nova Scotia to Montana, south to Florida and Yucatan: Pleistocene; Maryland, Virginia, Pennsylvania.

Peromyscus loxodon (Cope).

Cope, E. D. 1874 U, 150 (Hesperomys).
Hay, O. P. 1902 A, 727.
Matthew, W. D. 1909 C, 116 (Hesperomys, Peromycus).
Merrill, G. P. 1907 A, 37 (Eumys, Hesperomys).
Upper Miocene (Arikaree); New Mexico.

Peromyscus maniculatus gambelii (Baird).

Baird, S. F. 1857 A, 464 (Hesperomys gambelii).
Hay, O. P. 1927 D, 183, 190, 214.
Kellogg, L. 1912 A, 158 (P. m. gambeli); 166 (P. gambeli?).
Miller, G. S. 1912 B, 146.
Osborn, H. F. 1926 C, 340 (P. m. gambeli).
Osgood, W. H. 1909 A, 67 (P. m. gambeli).

Stock, C. 1918 A, 469 (P. m. gambeli).
1925 A, 113 (P. m. gambeli).
Recent; Lower California to central Washington: Pleistocene (La Brea, Samwel Cave); California.

Peromyscus maniculatus gracilis (LeConte).

LeConte, J. L. 1855, Proc. Acad. Nat. Sci. Phila., VII, 442 (Hesperomys gracilis).
Miller, G. S. 1893, Proc, Biol, Soc. Wash., VIII, 55 (Sitomys americanus canadensis).
1924 C, 323.
Osgood, W. H. 1909 A, 42.
Peterson, O. A. 1926 A, 276 (P. canadensis).
Recent; Minnesota to Michigan and New England: Pleistocene; Pennsylvania.

Peromyscus minimus Gidley.

Gidley, J. W. 1922 B, 120, 124, pl. xxxiv, fig. 13.
Pleistocene (San Pedro Valley); Arizona.

Peromyscus nematodon (Cope).

Hay, O. P. 1902 A, 727.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185, 188, 190.
Sceley, H. G. 1886 A, 515 (Hesperomys).
Upper Oligocene (John Day); Oregon.

Peromyscus parvus Sinclair.

Sinclair, W. J. 1905 A, 126, pl. xiv, figs. 4-5.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185, 188, 190.
Upper Oligocene (John Day); Oregon.

Peromyscus sp. indet.

Brown, B. 1908 A, 195. Pleistocene; Arkansas.
Gidley, J. W. 1922 B, 120, 124, pl. xxxiv, fig. 14.
Pleistocene (San Pedro Valley); Arizona.
Hay, O. P. 1914 A, 32.
1920 B, 140. Pleistocene; Texas.
1924 D, 247, 251. Pleistocene; Arkansas, Texas.
1927 D, 136. Pleistocene; Arizona.
Kellogg, L. 1910 A, 433. Pleistocene; Nevada.
Merriam, J. C. 1911 B, 253, 255 (This genus?).
Pliocene (Thousand Creek); Nevada.
Merriam and Sinclair 1907 A, 196. Upper Miocene (Mascall); Oregon.
Rhoads, S. N. 1903 A, 243. Pleistocene (Port Kennedy): Pleistocene or Recent (Durham Cave); Pennsylvania.

ORYZOMYS Baird. Type *Mus palustris* Harlan.

Baird, S. F. 1857 A, 458.
Cockerell and Prinz 1914 A, 356, figs. 28, 29.
Coues, E. 1875 D, 183 [Hesperomys (Oryzomys)].
Elliot, D. G. 1901 A, 146.
Goldman, A. E. 1918 A, 1-43, pls. i-vi.
Kampfen, P. N. 1905 A, 556.
Merriam, C. H. 1901 B, 273.
Miller, G. S. 1912 B, 171.
1924 C, 352.
Palmer, T. S. 1904 A, 485, 853.
Trouessart, E. L. 1904 A, 415.

Oryzomys palustris natator Chapman.

Chapman, F. M. 1893, Bull. Amer. Mus. Nat. Hist., V, 44.
Elliot, D. G. 1901 A, 147.
Goldman, A. E. 1918 A, 24.
Hay, O. P. 1917 E, 45 (O. natator?).
1923 A, 382 (O. palustris).
Merriam, C. H. 1901 B, 277 (O. natator natator).
Miller, G. S. 1912 B, 171 (O. natator natator).
1924 C, 352.
Simpson, G. G. 1928 H, 2 (O. palustris).
Trouessart, E. L. 1904 A, 415.
Recent; Florida: Pleistocene; Florida.

PAUROMYS Troxell. Type *P. perditus* Troxell.

Troxell, E. T. 1923 B, 155.
1923 D, 395.

Pauromys perditus Troxell.

Troxell, E. T. 1923 B, 155, fig. 1.
Middle Eocene (Bridger); Wyoming.

SIGMODON Say and Ord. Type *S. hispidus* Say and Ord.

Say and Ord 1825, Jour. Acad. Nat. Sci., Phila., IV, 352.
Ameghino, F. 1912 B, 179.
Cockerell and Prinz 1914 A, 357, figs. 36-39.
Coues, E. 1875 D, 175.
1883 A, 111.
Elliot, D. G. 1901 A, 143.
Lilljeborg, W. 1866 A, 18.
Merriam, C. H. 1892 A, 61.
Miller, G. S. 1912 B, 181.
1924 C, 369.
1927 A, 17.
Palmer, T. S. 1904 A, 630, 853.
Schlosser, M. 1924 A, 42.
Schwarz, E. 1924 A, 422.
Scott, W. B. 1913 A, 163.
Trouessart, E. L. 1904 A, 412.
Wagner, A. 1841 A, 125.
Weber and Abel 1928 A, 283.
Winge, H. 1888 A, 11, 109, 124.
1924 A, 8, 34, 36, 56, 125.

Sigmodon curtisi Gidley.

Gidley, J. W. 1922 B, 120, 125, pl. xxxv, fig. 2.
Hay, O. P. 1927 D, 136.
Pleistocene (San Pedro Valley); Arizona.

Sigmodon hispidus Say and Ord.

Say and Ord 1825, Jour. Acad. Nat. Sci., Phila., IV, 354, pl. xxii, figs. 5-8.
Baker, F. C. 1920 A, 373.
Bangs, O. 1898 A, 190.
Coues, E. 1875 D, 176.
1883 A, 112, fig. 57.

Elliot, D. G. 1901 A, 144, fig. 31.
Hay, O. P. 1917 E, 45.
1923 A, 382.
Miller, G. S. 1912 B, 181.
1924 C, 369.
Sellards, E. H. 1916 C, 151, 158, pl. xxix, fig. 4 (S. sp.).
1916 D, 616 (S. sp.).
1916 E, 16, 17 (S. sp.).
Simpson, G. G. 1928 H, 2.
Trouessart, E. L. 1904 A, 412.
Recent; Florida to North Carolina and Louisiana: Pleistocene; Florida.

Sigmodon medius Gidley.

Gidley, J. W. 1922 B, 120, 126, pl. xxxv, figs. 6, 7.
Hay, O. P. 1927 D, 136.
Pleistocene (San Pedro Valley); Arizona.

Sigmodon minor Gidley.

Gidley, J. W. 1922 B, 120, 125, pl. xxv, figs. 4, 5.
Hay, O. P. 1927 D, 136.
Pleistocene (San Pedro Valley); Arizona.

Sigmodon sp. indet.

Hay, O. P. 1923 A, 382. Pleistocene (Early); Florida.

Neotoma Say and Ord. Type *N. floridana* Say and Ord.

Hay, O. P. 1902 A, 727.
Adams, C. C. 1905 A, 64 ("woodrats").
Allen, J. A. 1892 A.
1894 A, 233, pl. iv.
Ameghino, F. 1912 B, 179.
Brauer, A. 1914 A, 282.
Cockerell and Prinz 1914 A, 354, figs. 6-15.
Coues, E. 1875 D, 174.
1883 A, 111.
Elliot, D. G. 1901 A, 154.
Goldman, E. A. 1910 A, 13.
Howell, A. B. 1926 A, 6 (Neotoma, Teonoma, Homodontomys).
Hrdlička, A. 1903 A, 381.
Kampfen, P. N. 1905 A, 570.
Ledouble, A. F. 1906 A, 550.
Lilljeborg, W. 1866 A, 18.
Matthew, W. D. 1910 B, 72.
1915 K, 403.
Merriam, C. H. 1892 A, 61.
1894 B, 117.
Miller, G. S. 1912 B, 188.
1924 C, 376.
1927 A, 18.
Osborn, H. F. 1909 D, 90.
1910 B, 447 (Teonoma).
Palmer, T. S. 1904 A, 456, 859.
Rehs, J. 1914 A, 93.
Schlosser M. 1924 A, 43.
Scott, W. B. 1913 A, 153, 164.
Sinclair, W. J. 1905 B, 148 (Teonoma).
Trouessart, E. L. 1904 A, 439.
Wagner, A. 1841 A, 125.
Wallace, A. R. 1876 A, II, 230.
Winge, H. 1888 A, 109, 124, 156.
1924 A, 8, 34, 36, 56, 125.
Zittel and Schlosser 1923 A, 514.

Neotoma cinerea cinerea (Ord).

Ord, G. 1815, Guthrie's Geogr. 2d ed., II, 292 (Mus).
Baird, S. F. 1857 A, 499.
Hay, O. P. 1921 A, 628.
1923 A, 9.
1927 D, 129 (N. cinerea).
Howell, A. B. 1926 A, 9 [Neotoma (Teonoma)].
Miller, G. S. 1912 B, 201.
1924 C, 390.
Recent; Rocky Mountain region, British Columbia to southern California: Pleistocene (Nebraskan); Arizona.

Neotoma cinerea occidentalis Baird.

Baird, S. F. 1855, Proc. Acad. Nat. Sci. Phila., 1855, 335 (N. occidentalis).
1857 A, 487, 496, pl. ix, fig. 2; pl. xxi, fig. 4; pl. liii, fig. 3 (N. occidentalis).
Furlong, E. L. 1904 A, 55 (N. fuscipes).
1906 A, 245 (N. fuscipes).
1925 A, 144, 152 (N. near occidentalis).
Hay, O. P. 1927 D, 214, 215.
Kellogg, L. 1912 A, 158.
Merriam and Stock 1925 A, 10.
Miller, G. S. 1912 B, 202.
1924 C, 391.
Miller, L. H. 1912 A, 70, 73 (N. fuscipes).
Sinclair, W. J. 1903 A, 711 (N. fuscipes).
1904 A, 17 (N. fuscipes).
Stock, C. 1925 A, 113.
Trouessart, E. L. 1897 A, 544 [N. (Teonoma)].
1904 A, 442 [N. (Teonoma)].
Recent; British Columbia to Idaho and Nevada: Pleistocene (caves Shasta Co.); California.

Neotoma floridana Say and Ord.

Hay, O. P. 1902 A, 727.
Baker, F. C. 1920 A, 373 (Neotoma); 464 (Neofiber).
Bangs, O. 1898 A, 183.
Carus and Engelmann 1861 A, 1378.
Coues, E. 1875 D, 174.
1883 A, 111, fig. 58.
Elliot, D. G. 1901 A, 157, fig. 34.
Goldman, E. A. 1910 A, 21, pl. i, fig. 1; pl. vii, fig. 4.
Hay, O. P. 1917 E, 45.
1923 A, 491.
Merriam, C. H. 1894 B, 118.
Miller, G. S. 1912 B, 188.
1924 C, 376.
Waterhouse, G. R. 1839 D, 277.
Recent; eastern half of United States: Pleistocene?; Tennessee, Pennsylvania.

Neotoma fossilis Gidley.

Gidley, J. W. 1922 B, 120, 126, pl. xxxv, figs. 8-10.
Hay, O. P. 1927 D, 136.
Pleistocene (San Pedro Valley); Arizona.

Neotoma fuscipes Baird.

Baird, S. F. 1857 A, 495, pl. liii, fig. 1; pl. liv.
Elliot, D. G. 1901 A, 158.
Goldman, E. A. 1910 A, 87, pl. vii, fig. 1.
Hay, O. P. 1927 D, 223.
Howell, A. B. 1926 A, 11 (Homodontomys).
Merriam, C. H. 1894 B, 118, 124.
Miller, G. S. 1912 B, 199.
1924 C, 389.
Stock, C. 1918 A, 468, 486.
1925 A, 113.
Recent; northern Oregon to Lower California: Pleistocene (Hawver Cave); California.

Neotoma magister Baird.

Hay, O. P. 1902 A, 727.
Baker, F. C. 1920 A, 315.
Coues, E. 1875 D, 174.
Goldman, E. A. 1910 A, 82.
Hay, O. P. 1920 B, 106.
1923 A, 491.
Mercer, H. C. 1894 A, 98 ("wood rat").
1897 A, 42, figs. 2, 17.
Rhoads, S. N. 1903 A, 243.
Trouessart, E. L. 1904 A, 439.
Pleistocene (Late); caves about Carlisle, Pennsylvania, Maryland.

Neotoma ozarkensis B. Brown.

Brown, B. 1908 A, 196, pl.
Hay, O. P. 1914 A, 32.
1924 D, 251.
Pleistocene (Middle); Arkansas.

Neotoma pennsylvanica Stone.

Stone, W. 1893, Proc. Acad. Nat. Sci. Phila., 16.
Goldman, E. A. 1910 A, 83, 84, pl. i, figs. 6, 6a; text-fig. 12.
Hay, O. P. 1920 B, 93.
1923 A, 311, 395.
Leidy, J. 1889 H, 19 (N. floridana).
Merriam, C. H. 1894 A, 244.
Miller, G. S. 1912 B, 139.
1924 C, 388.
Peterson, O. A. 1926 A, 277.
Trouessart, E. L. 1904 A, 439.
Recent; Pennsylvania: Pleistocene; Pennsylvania, Tennessee, Kentucky?, Missouri?

Neotoma spelæa (Sinclair).

Sinclair, W. J. 1905 B, 148, pl. xix, figs. 4-7 (Teonoma).
Goldman, E. A. 1910 A, 95 (Syn.? of N. cinerea).
Kellogg, L. 1912 A, 158 (Syn. of N. cinerea occidentalis).
Sinclair, W. J. 1903 A, 711 (Teonoma sp. nov.).
1904 A, 17 (Teonoma n. sp.).
Pleistocene; California.

Neotoma sp. indet.

Dice, L. R. 1925 A, 124. Pleistocene (La Brea); California.
Freudenberg, W. 1921 A, 139. Pleistocene; Mexico.
1922 A, 4. Pleistocene; Mexico.
Gidley, J. W. 1913 B, 96. Pleistocene (Middle); Maryland.
1920 B, 282 ("wood rats"). Pleistocene (Middle); Maryland.
Hay, O. P. 1923 A, 350. Pleistocene (Middle); Maryland.
1927 D, 171, 172, 183. Pleistocene; California.
Matthew, W. D. 1925 A, 97. Pleistocene (Early); Florida.
Miller, L. H. 1912 A, 73.
Peterson, O. A. 1926 A, 277. Pleistocene; Pennsylvania.
Sellards, E. H. 1916 C, 150, 158 ("Neotoma"). Pleistocene; Florida.
1916 E, 17. Pleistocene; Florida.
Stock, C. 1925 A, 118. Pleistocene (Upper San Pedro); California.

MICROTINÆ Miller.

Miller, G. S. 1896 A, 8.
Hay, O. P. 1902 A, 728.
Arldt, T. 1907 D, 640 (Arvicolidæ).
1912 A, 742.
Bailey, V. 1900 A, 5 ("voles").
Beddard, F. E. 1902 A, 477.
Brandt and Woldrich 1887 A, 76 (Arvicolinæ).
Carus, J. V. 1875 A, 107 (Arvicolina).
Cockerell, Miller, and Prinz 1914 A, 349 (Arvicolidæ).
Cockerell and Printz 1914 A, 351, 352 (Arvicolidæ, Microtinæ).
Dubois, G. 1920 A, 90 ("arvicolidés").
Elliot, D. G. 1901 A, 167.
Giebel, C. G. 1883 A ("arvicolinen").
Gray, J. E. 1821 A, 303 (Arvicolidæ).
Gregory, W. K. 1914 G, 380 (Arvicolidæ).
Hinton, M. A. C. 1923 A, 163.
Hoernes, R. 1886 A, 690 (Arvicolidæ).
Leunis and Ludwig 1883 A, 222 (Arvicolidæ).
Lilljeborg, M. 1866 A, 10, 22 (Arvicolini).
Matthew, W. D. 1914 H, 350 ("arvicolines").
Miller, G. S. 1912 A, 610.
Miller and Gidley 1918 A, 437.
Pictet, F. J. 1853 A, 248 ("campagnols").
Rehs, J. 1914 A, 93 (Arvicolidæ).
Schlosser, M. 1899 M, 361 ("arvicoliden").
1902 I, 708 (Arvicolidæ).
Trouessart, E. L. 1904 A, 442.
Wagner, A. 1841 A, 125 (Arvicolinæ).
1841 B, 83 (Arvicolidæ).
Waterhouse, G. R. 1839 C, 174 (Arvicolidæ).
1839 D, 91, 593 (Arvicolidæ).
1841 B, 83 (Arvicolidæ).
Weber, M. 1904 A, 502.
Winge, H. 1888 A, 156 (Arvicolinæ).
Zittel and Schlosser 1911 A, 430 (Arvicolinæ).

MICROTUS Schrank. Type *M. arvalis* (Pall).

Hay, O. P. 1902 A, 728.
Abel, O. 1908 F, (235).
Allen, J. A. 1892 A (Arvicola).
1903 A.

Ameghino, F. 1889 A, 1006 (Arvicola).
Arldt, T. 1907 D, 316.
Bailey, V. 1900 A, 5.
Beddard, F. E. 1902 A, 477.
Brandt and Woldrich 1887 A, 71 (Arvicola).
Chardin, P. T. 1928 A, 58 (Arvicola).
Cockerell and Prinz 1914 A, 352, figs. 3-5.
Cope, E. D. 1880 U, 158 (Arvicola).
1895 G, 596 (Arvicola).
Coues, E. 1875 D, 187 (Arvicola).
1883 A, 104 (Arvicola).
Dall and Harris 1892 A, 284 (Arvicola).
Depéret, C. 1912 A, 709 (Arvicola).
Doran, A. H. G. 1878 A, 411, pl. lx (Arvicola).
Eggeling, H. 1904 A, 93, figs. 28, 29 (Arvicola).
Elliot, D. G. 1901 A, 178.
Fawcett, E. 1917 A, 309.
Frech, F. 1906 A, 483.
1907 A, 314 ("microtus").
Frech and Geinitz 1903 A, 36 (Arvicola).
Frey, H. 1911 A, 405, fig. 14 (Arvicola).
Gaupp, E. 1912 B, 235 (Arvicola).
Gervais, P 1852 A, 25 (Arvicola).
1859 A, 38 (Arvicola).
Haug, E. 1911 A, 1886.
Heilprin, A. 1887 A, 356, 365 (Arvicola).
Höfer, H. 1911 A, 458.
Hue, E. 1907 A, pl. xliv (Arvicola).
Kampfen, P. N. 1905 A, 557.
Kellogg, R. 1922 B, 245.
Leche, W. 1887 A (Arvicola).
Leunis and Ludwig 1883 A, 223 (Arvicola).
Lilljeborg, W. 1866 A, 19 (Arvicola).
Lull, R. S. 1922 C, 603.
Mahn, R. 1890 A, 664, pl. xxv (Arvicola).
Matthew, W. D. 1902 F, 320.
1910 B, 72.
1915 K, 403.
Merriam, C. H. 1892 A, 62 (Arvicola).
Miller, G. S. 1896 B, 44.
1912 A, 658.
1912 B, 213.
1924 C, 404.
Nehring, A. 1880 A (Arvicola).
1901 C, 465.
Newton, E. T. 1882 A, 81 (Arvicola).
1891 A, 52.
Oehngren, S. 1919 A, 180 (Arvicola).
Osborn, H. F. 1905 I, 110 (Arvicola).
1909 D, 85 (Arvicola).
1910 B, 407 (Arvicola); 457, 470, 477, 537 (Microtus).
1916 B, 535 (Arvicola).
Owen, R. 1845 B, 408, pls. cv, cviii (Arvicola).
1868 A, 862, figs. 237 (Arvicola).
Palmer, T. S. 1904 A, 424, 856.
Paulli, S. 1900 B, 515 (Arvicola).
Pictet, F. J. 1853 A, 248 (Arvicola).
Scharff, R. F. 1911 A, 28, 64, 182, 223.
Schlosser, M. 1902 H, 141.
Scott, W. B. 1913 A, 153, 218.
Seton, E. T. 1909 A, 515.
Taschenberg, O. 1899 A, 4623.
Tims, H. W. M. 1903 A, 142 (Arvicola).
Trouessart, E. L. 1904 A, 448.
Vicq-d'Azyr, F. 1792 A, 377 ("rat-d'eau").
Wallace, A. R. 1876 A, I, 490; II, 230, 231 (Arvicola).
Waterhouse, G. R. 1839 C, 172 (Arvicola).
1842 A, 200 (Arvicola).
Weber, M. 1904 A, 503.
Weber and Abel 1928 A, 284, fig. 169.
Winge, H. 1888 A, 109, 124, 156 (Arvicola).
1924 A, 8, 34, 38, 44, 56, 119, 139 (Arvicola).
Zittel and Schlosser 1911 A, 431.
1923 A, 514, 518.

Microtus californicus (Peale).

Peale, T. R. 1848, U. S. Expl. Exp., VIII, Mamm. and Ornith., 46 (Arvicola).
Bailey, V. 1900 A, 15, 34-37, pl. iv, fig. 7; pl. v, fig. 7; text-fig. 3.
Elliot, D. G. 1901 A, 186.
Furlong, E. L. 1925 A, 139 (This species?).
Hay, O. P. 1927 D, 309.
Kellogg, L. 1912 A, 160.
Kellogg, R. 1918 A, 1-42.
1922 B, 252, figs. c, d.
1922 C, 275.
Merriam and Stock 1925 A, 10.
Miller, G. S. 1912 B, 218.
1924 C, 409.
Miller, L. H. 1912 A, 70.
Sinclair, W. J. 1903 A, 711 ("Arvicola sp.").
1904 A, 17.
Stock, C. 1925 A, 113, 118.
Trouessart, E. L. 1897 A, 563.
1904 A, 453.

Recent; California, north to Umpqua River, Oregon on coast: Pleistocene (Caves); California.

Microtus californicus neglectus Dice.

Dice, L. R. 1925 A, 124.
Hay, O. P. 1927 D, 184.
Kellogg, L. 1912 A, 166 (M. californicus).

Pleistocene (La Brea); California.

Microtus chrotorrhinus Miller.

Miller, G. S. 1894, Proc. Boston Soc. Nat. Hist., XXVI, 190.
Bailey, V. 1900 A, 15, 58, pl. iv, fig. 5; pl. vi, fig. 5.
Elliot, D. G. 1901 A, 193.
Gidley, J. W. 1913 B, 96 (This species?).
Hay, O. P. 1923 A, 350.
Miller, G. S. 1912 B, 224.
1924 C, 418.
Trouessart, E. L. 1897 A, 563.
1904 A, 455.

Recent; New Brunswick, Quebec, Labrador, northern New York and New Hampshire: Pleistocene (Middle); Maryland.

Microtus didelta (Cope).

Hay, O. P. 1902 A, 728.
Baker, F. C. 1920 A, 208, 214, 396.
Hay, O. P. 1923 A, 312 (M. dideltus).
Rhoads, S. N. 1903 A, 245 (M. dideltus).

Pleistocene (Early); Pennsylvania.

Microtus diluvianus Cope.

Hay, O. P. 1902 A, 728.
Baker, F. C. 1920 A, 208, 214, 396.
Hay, O. P. 1923 A, 312.
Rhoads, S. N. 1903 A, 244.

Schlosser, M. 1899 M, 361.
Trouessart, E. L. 1904 A, 451.
Pleistocene (Early); Pennsylvania.

Microtus involutus Cope.

Hay, O. P. 1902 A, 728.
Baker, F. C. 1920 A, 208, 214, 396.
Hay, O. P. 1923 A, 312.
Rhoads, S. N. 1903 A, 245.
Pleistocene (Early); Pennsylvania.

Microtus montanus (Peale).

Peale, T. R. 1848, U. S. Explor. Exp., VII, Mamm. Ornith., 44 (Arvicola).
Bailey, V. 1900 A, 27, fig. 2.
Baird, S. F. 1857 A, 528 (A. montana); 530 (A. longirostris).
Coues, E. 1877 B, 156 (Arvicola riparia, in part).
Howell, A. B. 1924 A, 977, pl. i, figs. 1-25.
Kellogg, R. 1922 B, 245, 23 figs.
Miller, G. S. 1912 B, 216.
1924 C, 408.
Trouessart, E. L. 1897 A, 5631.
1904 A, 452.
Recent; northern California to Utah. North to central and eastern Oregon: Pleistocene (Fossil Lake); Oregon.

Microtus mordax (Merriam).

Merriam, C. H. 1891, N. A. Fauna No. 5, 61 [Arvicola (Mynomes)].
Allen, J. A. 1899, Bull. Amer. Mus. Nat. Hist., XII, 7 (M. vellerosus, M. cautus).
Kellogg, R. 1922 C, 275, pl. viii, 29 text-figs.
Miller, G. S. 1912 B, 221.
1924 C, 415.
Stock, C. 1918 A, 487.
Recent; mountains from British Columbia and Idaho to southern California: Pleistocene (Hawver Cave); California.

Microtus ochrogaster (Wagner).

Wagner, J. A. 1842, Schreber's Säugethiere, Suppl. III, 592 (Hypudæus).
Bailey, V. 1900 A, 73, pl. iii, fig. 4 (M. austerus).
Brown, B. 1908 A, 198; pl. xxi (M. austerus).
Hay, O. P. 1914 A, 32.
1924 D, 251.
Miller, G. S. 1912 B, 225.
1924 C, 419.
Trouessart, E. L. 1897 A, 554 (M. austerus).
1904 A, 457.
Recent; southern Wisconsin to southern Missouri and Oklahoma west to eastern Nebraska: Pleistocene (Middle); Arkansas.

Microtus pennsylvanicus (Ord).

Ord, G. 1815, Guthrie's Geogr. 2d Amer. ed. 2, 292 (Mus).
Hay, O. P. 1902 A, 729.
Bailey, V. 1900 A, 14, 16-18, pl. i; pl. ii, fig. 1; pl. iii, fig. 1; text-fig. 1.
Baker, F. C. 1920 A, 354, 359, 396.
Elliot, D. G. 1901 A, 179, fig. 38.
Hay, O. P. 1920 B, 93, 106.
1923 A, 490.
Mercer, H. C. 1894 A, 98 ("meadow-mouse").
Miller, G. S. 1912 B, 213.
1924 C, 405.
Peterson, O. A. 1926 A, 277.
Rhoads, S. N. 1903 A, 244.
Scharff, R. F. 1911 A, 27.
Seton, E. T. 1909 A, 515, pl. xxxix; text-figs. 148-152, map 29.
Trouessart, E. L. 1904 A, 451.
Recent; Nova Scotia south to North Carolina, westward to South Dakota and Louisiana: Pleistocene (Middle); Pennsylvania, Tennessee, Nebraska.

Microtus richardsoni (DeKay).

DeKay, J. E. 1842, Zool. of New York, Mamm., 91 (Arvicola).
Bailey, V. 1900 A, 60-62, pl. ii, fig. 3.
Elliot, D. G. 1901 A, 200.
Matthew, W. D. 1902 F, 317 (Arvicola amphibius. This species?).
Miller, G. S. 1912 B, 224.
1924 C, 413.
Trouessart, E. L. 1897 A, 565.
1904 A, 460.
Recent; Alberta to Wyoming west to Washington and Oregon?: Pleistocene (Sheridan); Grayson, Nebraska.

Microtus speothen Cope.

Hay, O. P. 1902 A, 729.
Baker, F. C. 1920 A, 208, 214, 396.
Hay, O. P. 1923 A, 312.
Rhoads, S. N. 1903 A, 244.
Schlosser, M. 1899 M, 361.
Pleistocene; Pennsylvania.

Microtus sp. indet.

Hay, O. P. 1902 A, 729.
Cooke, C. W. 1926 A, 445. Pleistocene; Florida.
Furlong, E. L. 1904 A, 55.
1906 A, 245. Pleistocene (Samwel Cave); California.
Gidley, J. W. 1920 B, 282 ("field mice"). Pleistocene (Middle); Maryland.
Hay, O. P. 1914 A, 38.
1923 A, 343. Pleistocene (Late); Wisconsin.
1924 D, 305. Pleistocene; Nebraska.
1927 D, 242, 243 (Arvicola); 309 (Microtus). Pleistocene (Early); Oregon.
1928 C, 425.
McCornack, E. C. 1920 A, 23. Pleistocene (Fossil Lake); Oregon.
Matthew, W. D. 1902 F, 320 ("sp. div.").
1918 A, 227. Pleistocene (Sheridan); Nebraska.
Miller, L. H. 1912 A, 73. Pleistocene (Samwel Cave); California; 81 (Arvicola sp.). Pleistocene (Fossil Lake); Oregon.
Stock, C. 1918 A, 487. Pleistocene (La Brea); California.
1925 A, 113. Pleistocene (Cave); California: (Fossil Lake); Oregon.

SYNAPTOMYS Baird. Type *S. cooperi* Baird.

Baird, S. F. 1857 A, 558.
Allen, J. A. 1892 A.
Coues, E. 1875 D, 192.
1877 B, 228.
1883 A, 106.
Elliot, D. G. 1901 A, 203.
Merriam, C. H. 1892 A, 61.
1896 C, 55, 57.
Miller, G. S. 1896 A, 8, 9, 16, 32.
1912 B, 204.
1924 C, 393.
Palmer, T. S. 1904 A, 656, 857.
Scharff, R. F. 1911 A, 28.
Scott, W. B. 1913 A, 153.
Seton, E. T. 1909 A, 558.
Simpson, G. G. 1928 H, 3.
Trouessart, E. L. 1904 A, 461.

Synaptomys australis Simpson.

Simpson, G. G. 1928 H, 2, 7, fig. 2.
Pleistocene (Early); Florida.

Synaptomys borealis (Richardson).

Richardson, J. 1828, Zool. Jour., III, 517 (Arvicola).
Gidley, J. W. 1913 B, 96 [S (Myctomys) cf. borealis].
Hay, O. P. 1923 A, 350 (This species?).
Miller, G. S. 1912 B, 205.
1924 C, 395.
Seton, E. T. 1909 A, 558, map 32.
Recent; Mackensie, Canada: Pleistocene (Middle); Maryland?

Synaptomys cooperi annexus Peterson.

Peterson, O. A. 1926 A, 277, fig. 4.
Pleistocene; Pennsylvania.

Synaptomys sp. indet.

Gidley, J. W. 1913 B, 96. Pleistocene (Middle); Maryland.
Hay, O. P. 1923 A, 350. Pleistocene (Middle); Maryland.

DICROSTONYX Gloger. Type *Mus hudsonius?* Pallas.

Gloger, C. W. L. 1841, Hand- u. Hilfsbuch Naturgesch, 97.
Allen, G. M. 1919 A, 509.
Allen, J. A. 1903 A, 483.
Brandt and Woldrich 1887 A, 76 (Myodes).
Coues, E. 1875 D, 195 (Cuniculus).
1883 A, 164 (Cuniculus).
Dubois, G. 1919 A, 69 (Myodes).
1920 A, 95.
Elliot, D. G. 1901 A, 209.
Frech, F. 1906 A, 483.
1907 A, 314 ("dicrotomyx").
Hinton, M. A. C. 1923 A, 164.
Hoernes, R. 1886 A, 690 (Myodes).
Leche, W. 1887 A (Myodes).
Miller, G. S. 1896 A, 38.
1912 B, 207.
1924 C, 397.
Scharff, R. F. 1911 A, 11, 60.
Stejneger, L. 1928 A, 158.
Thomas, O. 1895 A, 190, 192.
Trouessart, E. L. 1904 A, 463.
Vic-d'Azyr, F. 1792 A, 368 ("à collier").
Weber and Abel 1928 A, 241, 284, fig. 154.
Winge, H. 1888 A, 109, 124 (Myodes).
1924 A, 8, 34, 44, 56, 140.

Dicrostonyx grœnlandicus (Traill).

Traill, T. S. 1823, Scoresby's Jour. Voy. Whalefishery, 416 (Mus).
Allen, G. M. 1919 A, 533, pl. i, figs. 3, 10.
Coues, E. 1875 D, 196 (Cuniculus hudsonius).
Elliot, D. G. 1901 A, 209 (D. hudsonius).
Fielden, H. W. 1877 A, 488 (Myodes torquatus).
Fielden and DeRance 1878 A, 566 (Myodes torquatus).
Fischer, J. B. 1829 A, 299 (Mus hudsonius).
Miller, G. S. 1896 A, 40, figs. 13-15 (D. torquatus).
1912 B, 207 (D. hudsonius grœnlandicus).
1924 C, 398.
Scharff, R. F. 1911 A, 11 (D. hudsonius).
Stejneger, L. 1928 A, 159.
Trouessart, E. L. 1904 A, 464 (Syn. of D. hudsonius).
Recent; Greenland to Grinnell Land and Baffin Land: Late Pleistocene or Early Recent; northern Greenland or Grinnell Land, or both.

EVOTOMYS Coues. Type *Mus rutilus* Pallas.

Coues, E. 1875 D (1874), 186.
Bailey, V. 1897 A, 113.
Miller, G. S. 1896 A, 43.
1912 A, 623, figs.
1924 C, 401.

Evotomys gapperi (Vigors).

Vigors, N. A. 1830, Zool. Jour., v, 204 (Arvicola).
Bailey, V. 1897 A, 117, 122.
Merriam, C. H. 1891, N. A. Fauna, XII, 119.
Miller, G. S. 1924 C, 402 (E. gapperi gapperi).
Peterson, O. A. 1926 A, 272.
Recent; From New Jersey to the Rocky Mountains in Canada: Pleistocene; Pennsylvania.

SYCIUM Cope. Type *S. cloacinum* Cope.

Hay, O. P. 1902 A, 728.
Palmer, T. S. 1904 A, 653, 857.
Schlosser, M. 1902 H, 140.

Sycium cloacinum Cope.

Hay, O. P. 1902 A, 728 (Sycium, Anaptogonia).
1923 A, 312.
Rhoads, S. N. 1903 A, 244.
Pleistocene (Early); Pennsylvania.

ANAPTOGONIA Cope. Type *A. hiatidens* Cope.

Hay, O. P. 1902 A, 728.
Palmer, T. S. 1904 A, 100, 855.
Schlosser, M. 1899 M, 361.
1902 H, 140.
Trouessart, E. L. 1904 A, 447.

Anaptogonia hiatidens Cope.

Hay, O. P. 1902 A, 728.
Baker, F. C. 1920 A, 208, 214, 396.
Hay, O. P. 1923 A, 312.
Rhoads, S. N. 1903 A, 244.
Schlosser, M. 1899 M, 361.
Trouessart, E. L. 1904 A, 447.
Pleistocene (Early); Pennsylvania.

PITYMYS McMurtrie. Type *Psammomys pinetorum* LeConte.

McMurtrie, H. 1831, Cuvier's Anim. Kingd., I, App., 434.
Baily, V. 1900 A, 62 (As subgenus).
Coues, E. 1875 D, 191.
Hay, O. P. 1902 A, 728 (Microtus, in part).
Miller, G. S. 1896 A, 58.
1912 B, 228.
1924 C, 423.
Scharff, R. F. 1911 A, 223.
Schlosser, M. 1899 M, 362.

Pitymys pinetorum (Le Conte).

Le Conte, J. L. 1830, Ann. Lyc. Nat. Hist. New York, III, 133 (Psammomys).
Hay, O. P. 1902 A, 729 (Microtus).
Baily, V. 1900 A, 63, fig. 11 (Microtus).
Coues, E. 1875 D, 191 [Arvicola (Pitymys)].
Elliot, D. G. 1901 A, 198 (Microtus).
Miller, G. S. 1912 B, 228.
1924 C, 423.
Recent; Georgia to New York, southern Indiana and Mississippi River: Pleistocene?; Pennsylvania.

NEOFIBER True. Type *N. alleni* True.

True, F. W. 1884 A, 34.
Bailey, V. 1900 A, 78 (Subg. of Microtus).
Elliot, D. G. 1901 A, 202 (Subg. of Microtus).
Frech, F. 1906 A, 483.
Miller, G. S. 1896 A, 9, 17, 19, 69.
1912 B, 229.
1924 C, 424.
Palmer, T. S. 1904 A, 453, 856.
True, F. W. 1884 B, 170.

Neofiber alleni True.

True, F. W. 1884 A, 34.
Bailey, V. 1900 A, 79, fig. 17 (Microtus).
Baker, F. C. 1920 A, 373.
Bangs, O. 1898 A, 182 (Microtus).
Elliot, D. G. 1901 A, 203, fig. 44 [Microtus (Neofiber)].
Harper, F. 1920 A, 65.
Hay, O. P. 1917 E, 45.
1923 A, 382.
Miller, G. S. 1896 A, 70, pl. ii, fig. 9; text-fig. 36.
1912 B, 229.
1924 C, 424.
Sellards, E. H. 1916 C, 139, 150, 158; pl. xxix, fig. 7.
1916 D, 616.
1916 E, 16, 17.
Simpson, G. G. 1928 H, 2.
Trouessart, E. L. 1904 A, 460.
True, F. W. 1884 B, 170.
Recent; Florida: Pleistocene (Early, Middle?); Florida.

Neofiber sp. indet.

Gidley, J. W. 1922 B, 120, 127, pl. xxxv, fig. 14 Pleistocene (San Pedro Valley); Arizona.
1927 E, 274. Pleistocene; Florida.
Hay, O. P. 1927 D, 136, 274. Pleistocene; Arizona, Florida.

ONDATRA Link. Type *Castor zibethicus* (Linnæus).

Link, 1759, Beyträge Naturgesch., I pt. 2, 76.
Hay, O. P. 1902 A, 729 (Fiber).
Allen, J. A. 1892 A (Fiber).
Beddard, F. E. 1902 A, 47 (Fiber).
Carus, V. 1875 A, 107 (Fiber).
Coues, E. 1875 D, 196 (Fiber).
Cuvier, F. 1812 A, 293, pl. xv, fig. 19 ("ondatra").
1825 A, 157, pl. liii ("ondatra").
Cuvier, G. 1809 A, 53.
1825 A, v, 1, 13, 63, pl. i.
Elliot, D. G. 1901 A, 211 (Fiber).
Frech, F. 1906 A, 483 (Fiber).
Giebel, C. S. 1855 A, 51 (Fiber).
1883 A, 155.
Grant, M. 1904 B, 195 (Fiber).
Heilprin, A. 1887 A, 357 (Fiber).
Holland, W. J. 1912 B, 750 (Fiber).
Hollister, H. 1911 A, 14 (Fiber).
1911 C, 13 (Fiber).
Holmes, F. S. 1870 A, 17 ("muskrat").
Kampfen, P. N. 1905 A, 554 (Fiber).
Köstlin, O. 1844 A.
Kükenthal, W. 1891 C, 373, 384 (Fiber).
Leche, W. 1887 A (Fiber).
Le Damany, P. 1906 B, 164.
Leunis and Ludwig 1883 A, 225 (Fiber).
Lobley, J. L. 1908 A, 196 (Fiber).
Matthew, W. D. 1910 B, 72 (Fiber).
1915 K, 403 (Fiber).
Meckel, J. F. 1825 A.
Merriam, C. H. 1892 A, 61 (Fiber).
Miller, G. S. 1896 B, 71 (Fiber).
1912 B, 230.
1924 C, 425.
Osborn, H. F. 1905 I, 110 (Fiber).

Osborn, H. F. 1909 D, 85, 90 (Fiber).
1910 B, 615 (Fiber).
Palmer, T. S. 1904 A, 285, 855 (Fiber); 475, 856 (Ondatra).
Pander and Alton 1824 A, 3, pl. viii (Fiber).
Scharff, R. F. 1911 A, 64, 182 (Fiber).
Scott, W. B. 1913 A, 153 (Fiber).
Taschenberg, O. 1899 A, 4581 (Fiber).
Thomas, O. 1916 A, 303.
Trouessart, E. L. 1904 A, 461 (Fiber).
Vicq-d'Azyr, F. 1792 A, 520 ("ondatra").
Wagner, A. 1841 A, 125 (Fiber).
Waterhouse, G. R. 1839 D, 593.
1842 A, 200.
Weber, M. 1904 A, 503 (Fiber).
Weber and Burlet 1927 A, 251, fig. 190.
Wilder, W. B. 1872 B, 321 (Fiber).
Winge, H. 1888 A, 109, 124, 156 (Fiber).
1924 A, 8, 34, 43, 56 (Fiber).

Ondatra annectens (Brown).

Brown, B. 1908 A, 197, pl. xxi (Fiber).
Hay, O. P. 1914 A, 32 (Fiber).
1924 D, 251.
Hollister, H. 1911 A, 33, pl. vi, fig. 3 (Fiber).
Scharff, R. F. 1911 A, 64 (Fiber).
Pleistocene (Middle); Arkansas.

Ondatra nebrascensis (Hollister).

Hollister, H. 1911 A, 32, pl. vi, fig. 5 (Fiber).
Haug, E. 1911 A, 1886 (Fiber zibethicus).
Hay, O. P. 1924 D, 305.
1928 C, 425.
Matthew, W. D. 1902 F, 317, 320 (Fiber zibethicus).
1918 A, 227.
Pleistocene (Sheridan); Nebraska.

Ondatra oregona (Hollister).

Hollister, H. 1911 A, 33, pl. vi, fig. 4 (Fiber).
Hay, O. P. 1927 D, 190 (Ondatra); 243 (Fiber zibethicus).
McCornack, E. C. 1920 A, 23 (Fiber sp.).
Miller, L. H. 1912 A, 81 (Fiber zibethicus).
Stock, C. 1925 A, 195 (Fiber zibethicus).
Pleistocene (Fossil Lake); Oregon.

Ondatra zibethica (Linnæus).

Unless otherwise indicated the writers, as quoted, use the generic name *Fiber*.
Hay, O. P. 1902 A, 729.
Abel, O. 1912 F, 173.
Agassiz, L. 1859 B, 186 ("muskrat").
Baker, F. C. 1920 A, 459.
Beddard, F. E. 1902 A, 478.
Cockerell and Prinz 1914 A, 352, figs. 1, 2.
Doran, A. H. G. 1878 A, 411, pl. lx.
Eimer, G. H. J. 1901 A, 36.
Elliot, D. G. 1901 A, 212, fig. 49.
Fischer, J. B. 1829 A, 289 (Lemmus).
Giebel, C. G. 1883 A, pl. xxiii (Ondatra).
Hay, O. P. 1914 A, 26.
1920 B, 105 (Ondatra).
1923 A, 492 (Ondatra).
Hollister, H. 1911 A, 16, pls. i-vi (F. zibethicus, with 11 subspecies).
1911 C, 13 (Ondatra).
Holmes, F. S. 1859 A, 184 ("muskrat").
1860 A, iv, vii ("musk-rat").
Krumbach, T. 1904 A, 280.
Leidy, J. 1859 J, 18 ("muskrat").
1889 H, 5.
Lönnberg, E. 1910 A, 51.
Martin, H. T. 1892 A, 33, figs.
Matschie, P. 1896 A, 252 ("bisamratten").
Meckel, J. F. 1825 A (Mus).
Mercer, H. C. 1894 A, 98 ("musk-rat").
1896 A, 71, figs. 37, 38 (Fiber).
Miller, G. S. 1912 B, 230 (Ondatra).
1924 C, 425.
Osborn, H. F. 1910 B, 457, 459.
Osborn and Anthony 1922 A, 226.
Owen, R. 1866 B, 375, fig. 241.
Rehs, J. 1914 A, 93.
Rhoads, S. N. 1903 A, 245.
Scharff, R. F. 1911 A, 64.
Scudder, N. P. 1885 A, lxiv ("muskrat").
Seton, E. T. 1909 A, 538, text-figs. 155-160, map 31.
Trouessart, E. L. 1904 A, 461.
Waterhouse, G. R. 1839 D, 594, figs.
Recent; greater part of North America: Pleistocene; Pennsylvania, Maryland, South Carolina.

Ondatra sp. indet.

Cooke, C. W. 1926 A, 445 ("muskrat"). Pleistocene; Florida.
Hay, O. P. 1923 A, 321. Late Wisconsin or Recent; Pennsylvania.

Poamys Matthew. Type *P. rivicola* Matthew.

Matthew, W. D. 1924 C, 74, 86.

Poamys rivicola Matthew.

Matthew, W. D. 1924 C, 66, 86, fig. 10.
Upper Miocene (Lower Snake Creek); Nebraska.

Superfamily DIPODOIDÆ Miller and Gidley.

Miller and Gidley 1918 A, 439.
Matthew and Granger 1923 B, 3.
Wagner, A. 1841 A, 119 (Macropoda).
Weber and Abel 1928 A, 268 (Haplodontidea); 269, 278 (Dipodoidea).
Weber and Burlet 1927 A, xiv (Haplodontoidea).
Winge, H. 1924 A, 7, 14, 22 (Haplodontidæ, Dipodidæ).

PARAMYIDÆ Miller and Gidley.

Miller and Gidley 1918 A, 439.
Hay, O. P. 1902 A, 723 (Ischromyidæ, part).
Haeckel, E. 1895 A, 502 (Paramyida).
Matthew, W. D. 1921 D, 214.

PARAMYS Leidy.

Based on three species, *P. delicatus, delicatior, delicatissimus.*
Hay, O. P. 1902 A, 723.
Ameghino, F. 1903 A, 139.
1906 A, 408.
Arldt, T. 1907 D, 78.
Chardin, P. T. 1920 A, 1161.
1922 A, 54, 77, 80, 93, pl. iv, text-fig. 37.
1924 A, 13.
1927 A, 22.
Cope, E. D. 1880 U, 154 (Plesiarctomys).
Depéret, C. 1908 A, 112 (Plesiarctomys).
Dollo and Chardin 1924 A, 13, 15.
Giebel, C. C. 1855 A, 46 (Plesiarctomys).
Granger, W. 1909 A, 22.
Gregory, W. K. 1910 A, 326.
1920 A, 173, 242, fig. 125.
1921 A, 69, 77, pl. xxvii.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 364 (Plesiarctomys).
Kraglievich, L. 1926 C, 47.
Loomis, F. B. 1905 C, 296.
1907 A, 123.
1922 A, 62.
Matthew, W. D. 1907 A, 212 (Sciuravus).
1909 C, 101 (Paramys, Pseudotomus, Sciuravus).
1909 D, 308 (Paramys, Sciuravus).
1910 B, 43, 45, 71 (Paramys); 45, 55 (Pseudotomus, type *P. hians;* 50 (Leptomus, type *P. grangeri*).
1914 H, 351.
1915 A, 231 (Paramys, Sciuravus).
1915 K, 421, 466.
1917 A, 574.
1918 H, 614.
1920 A, 169.
1921 H, 510.
1924 E, 748.
1928 B, 964, 976.
Matthew and Granger 1923 B, 4.
Miller and Gidley 1918 A, 440.
Osborn, H. F. 1909 D, 132 (Paramys); 57 (Pseudotomus).
1910 B, 128, 134, 165, 168, 534 (Paramys); 118, 149, 534 (Plesiarctomys).
1912 G, 236, fig. 3.
Palmer, T. S. 1904 A, 514, 850 (Paramys); 547, 866 (Plesiarctomys).
Schlosser, M. 1902 I, 707, 738.
Scott, W. B. 1913 A, 270, 280.
Taylor, W. P. 1915 A, 167.
1916 A, 457.
Trouessart, E. L. 1904 A, 476.
Troxell, E. L. 1923 D, 384, 393, 396.
Weber, M. 1904 A, 509, 511 (Paramys); 511 (Plesiarctomys).
Weber and Abel 1928 A, xxi, 293, 295 (Paramys, Plesiarctomys).
Winge, H. 1924 A, 15, 81.
Wortman, J. L. 1903 A, xv, 431; xvi, 367, fig.
1921 A, 185.
Zittel and Schlosser 1911 A, 425.
1923 A, 509, 518, 665-668.

Paramys atwateri Loomis.

Loomis, F. B. 1907 A, 127, fig. 3.
1907 B, 357.
Matthew, W. D. 1909 C, 94.
1910 B, 50, 51, 58.
1918 H, 616.
Lower Eocene (Wasatch); Wyoming.

Paramys buccatus (Cope).

Hay, O. P. 1902 A, 723.
Loomis, F. B. 1907 A, 130 (To Sciuravus?).
Matthew, W. D. 1909 C, 94 (Sciuravus?).
1910 B, 50, 51, 58.
1918 H, 617.
Merrill, G. P. 1907 A, 54 (Plesiarctomys).
Reeside, J. B. 1924 A, 46 (Sciuravus. This genus?).
Trouessart, E. L. 1904 A, 477.
Lower Eocene (Wasatch); New Mexico: (Wind River); Wyoming.

Paramys copei Loomis.

Loomis, F. B. 1907 A, 125, 128.
1907 A, 124, fig. 1 (P. primævus); 128, fig. 4 (P. bicuspis).
1907 B, 357 (P. bicuspis, P. primævus).
Matthew, W. D. 1909 C, 94 (P. copei, P. bicuspis, P. primævus).
1910 B, 50, 51, 58 (P. copei, P. primævus, P. bicuspis).
1918 H, 615.
1920 A, 169.
Lower Eocene (Wasatch, Wind River); Wyoming: (Wasatch); New Mexico.

Paramys delicatior Leidy.

Hay, O. P. 1902 A, 723.
Matthew, W. D. 1909 C, 97.
1910 B, 50, 53, 58.
Merrill, G. P. 1907 A, 55 (Plesiarctomys).
Scott, W. B. 1913 A, 271, fig. 140.
Trouessart, E. L. 1904 A, 476.
Middle Eocene (Bridger); Wyoming.

Paramys delicatus Leidy.

Hay, O. P. 1902 A, 723.
Abel, O. 1914 A, 119, fig. 85.
Gidley, J. W. 1919 C, 61, 62.
Matthew, W. D. 1909 C, 97.
1910 B, 45, 50, 52, 56, 58, figs. 1-3, 6.
1920 A, 169.
Trouessart, E. L. 1904 A, 476.
Weber and Abel 1928 A, 296, fig. 185.
Zittel and Schlosser 1923 A, 509, fig. 631.
Middle Eocene (Bridger, Washakie?); Wyoming.

Paramys excavatus Loomis.

Loomis, F. B. 1907 A, 129, fig. 6.
Matthew, W. D. 1909 C, 94.
1910 B, 50, 52, 58.
1918 H, 616.
Lower Eocene (Wind River); Wyoming.

Paramys grangeri Matthew.

Matthew, W. D. 1910 B, 50, 57, 58, figs. 10, 11, 12 [P. (Leptomus)].
Eocene (Upper Uinta); Utah.

Paramys hians (Cope).

Cope, E. D. 1872 OO, 2 (Pseudotomus).
Hay, O. P. 1902 A, 723.
Matthew, W. D. 1909 C, 97 (Pseudotomus).
1910 B, 50, 55, 58.
Trouessart, E. L. 1904 A, 477.
Middle Eocene (Bridger); Wyoming.

Paramys leptodus Cope.

Hay, O. P. 1902 A, 724.
Matthew, W. D. 1909 C, 97.
1910 B, 50, 56, 58.
Trouessart, E. L. 1904 A, 477.
Middle Eocene (Washakie); Wyoming.

Paramys major Loomis.

Loomis, F. B. 1907 A, 128, fig. 5.
Matthew, W. D. 1909 C, 94.
1910 B, 50, 51, 58.
1918 H, 615.
Lower Eocene (Wind River); Wyoming.

Paramys major quadratus Loomis.

Loomis, F. B. 1907 A, 126, fig. 2 (P. quadratus).
1907 B, 357 (P. quadratus).
Matthew, W. D. 1909 C, 94 (P. quadratus).
1910 B, 50, 51, 58 (P. quadratus).
1918 H, 614 (P. m. quadratus).
Lower Eocene (Wasatch); Wyoming.

Paramys medius Peterson.

Peterson, O. A. 1919 A, 61, pl. xxxiv, figs. 15-22.
Upper Eocene (Uinta); Utah.

Paramys murinus Matthew.

Matthew, W. D. 1918 H, 617, fig. 37.
Lower Eocene (Wasatch); Wyoming.

Paramys sciuroides (Scott and Osborn).

Hay, O. P. 1902 A, 724.
Ameghino, F. 1903 A, 139, fig. 61 (Plesiarctomys).
Matthew, W. D. 1909 C, 99.
1910 B, 50, 56, 58.
Trouessart, E. L. 1904 A, 477.
Upper Eocene (Uinta); Utah.

Peramys superbus Osborn, Scott and Speir.

Hay, O. P. 1902 A, 724.
Matthew, W. D. 1909 C, 97 (Pseudotomus).
1910 B, 50.
Trouessart, E. L. 1904 A, 477.
Middle Eocene (Bridger); Wyoming.

Paramys uintensis Osborn.

Hay, O. P. 1902 A, 724.
Matthew, W. D. 1909 C, 99.
1910 B, 50, 56.
Trouessart, E. L. 1904 A, 477.
Upper Eocene (Uinta); Utah.

Paramys sp. indet.

Hay, O. P. 1902 A, 724.
Matthew, W. D. 1909 C, 97, 99 (Paramys, Pseudotomus). Middle Eocene (Bridger); Wyoming, Colorado.
Sinclair and Granger 1911 A, 108. Middle Eocene (Bridger); Wyoming, Colorado.

REITHROPARAMYS Matthew. Type *Paramys delicatissimus* Leidy.

Matthew, W. D. 1920 A, 168.

Reithroparamys delicatissimus (Leidy).

Hay, O. P. 1902 A, 723 (Paramys).
Cope, E. D. 1891 N, 71, figs. 42, 43 (Plesiarctomys).
Matthew, W. D. 1909 C, 97 (Paramys).
1910 B, 50, 54, 58 (Paramys).
1920 A, 168.
Merrill, G. P. 1907 A, 55 (Plesiarctomys).
Trouessart, E. L. 1904 A, 476 (Paramys).
Middle Eocene (Bridger); Wyoming.

ISCHYROTOMUS Matthew. Type *Paramys petersoni* Matthew.

Matthew, W. D. 1910 B, 50.
Gidley, J. W. 1919 C, 63.
Peterson, O. A. 1919 A, 63.

Ischyrotomus compressidens (Peterson).

Peterson, O. A. 1919 A, 60, fig. 3 (Paramys).
Gidley, J. W. 1919 C, 63.
Upper Eocene (Uinta); Utah.

Ischyrotomus gidleyi Peterson.

Peterson, O. A. 1919 A, 63, fig. 4.
Upper Eocene (Uinta); Utah.

Ischyrotomus petersoni (Matthew).

Matthew, W. D. 1910 B, 50, 56, figs. 8-11 [Paramys (Ischyrotomus)].
Peterson, O. A. 1919 A, 61.
Upper Eocene (Uinta); Utah.

Ischyrotomus robustus (Marsh).

Hay, O. P. 1902 A, 724 (Paramys).
Gidley, J. W. 1919 C, 61-63 (Paramys).
Matthew, W. D. 1909 C, 97 (Pseudotomus).
1910 B, 50, 54, 58, figs. 4, 5, 7.
Peterson, O. A. 1919 A, 62, 63 (Paramys).
Trouessart, E. L. 1904 A, 477 (Paramys).
Middle Eocene (Bridger); Wyoming.

Mysops Leidy. Type *M. minimus* Leidy.

Hay, O. P. 1902 A, 725.
Matthew, W. D. 1907 A, 212.
1910 B, 60, 71.
1918 H, 614, 618.
1928 B, 977.
Miller and Gidley 1918 A, 440.
Palmer, T. S. 1904 A, 444, 850.
Troxell, E. L. 1923 D, 384, 385, 391.
Wallace, A. R. 1876 A, I, 140.
Wortman, J. L. 1903 A, XVI, 367.

Mysops fraternus Leidy.

Hay, O. P. 1902 A, 725.
Trouessart, E. L. 1904 A, 478.
Troxell, E. L. 1923 D, 384 (Syn.? of Tillomys parvus).
Middle Eocene (Bridger); Wyoming.

Mysops kalicola Matthew.

Matthew, W. D. 1918 H, 618, fig. 38.
Lower Eocene (Wind River); Wyoming.

Mysops minimus Leidy.

Hay, O. P. 1902 A, 725.
Matthew, W. D. 1909 C, 97 (Sciuravus).
1909 D, 300.
1918 H, 619.
Trouessart, E. L. 1904 A, 478.
Troxell, E. L. 1923 D, 384, 387.
Middle Eocene (Bridger); Wyoming.

Prosciurus Matthew. Type *P. vetustus* Matthew.

Matthew, W. D. 1903 B, 213 (New subgenus).
Gidley, J. W. 1919 C, 65.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 110.
1910 B, 63, 71.
Matthew and Granger 1924 A, 6.
Miller and Gidley 1918 A, 440.
Osborn, H. F. 1910 B, 221, 534.
Peterson, O. A. 1919 A, 64, fig. 6.
Troxell, E. L. 1923 D, 396.
Zittel and Schlosser 1911 A, 426.
1923 A, 510, 672.

Prosciurus ballovianus (Cope).

Hay, O. P. 1902 A, 719 (Sciurus).
Matthew, W. D. 1903 B, 214 (Sciurus).
1909 C, 107 (Prosciurus).
1910 B, 63 (Sciurus).
Merriam and Sinclair 1907 A, 185 (Sciurus).
Trouessart, E. L. 1904 A, 318 [Sciurus (Parasciurus)].
Upper Oligocene (John Day); Oregon.

Prosciurus jeffersoni Douglass.

Douglass, E. 1901 B, 242, 252 (Sciurus).
1903 A, 149 (Sciurus).
Matthew, W. B. 1909 C, 103 (Prosciurus).
Trouessart, E. L. 1904 A, 318 [Sciurus Parasciurus)].
Oligocene (Lower); Montana.

Prosciurus relictus (Cope).

Hay, O. P. 1902 A, 719 (Sciurus).
Matthew, W. D. 1903 B, 214 (Sciurus).
1909 C, 105.
1910 B, 63.
Trouessart, E. L. 1904 A, 318 [Sciurus (Parasciurus)].
Middle Oligocene (Cedar Creek); Colorado.

Prosciurus? robustus Peterson.

Peterson, O. A. 1919 A, 65.
Upper Eocene (Uinta); Utah.

Prosciurus vetustus Matthew.

Matthew, W. D. 1903 B, 213, fig. 9 [Sciurus (Prosciurus)].
1909 C, 103.
1910 B, 63.
Oligocene (Lower); Montana.

Prosciurus vortmani (Cope).

Hay, O. P. 1902 A, 719 (Sciurus).
Matthew, W. D. 1903 B, 214 (Sciurus).
1909 C, 107.
1910 B, 63.
Merriam and Sinclair 1907 A, 185.
Trouessart, E. L. 1904 A, 318 [Sciurus (Parasciurus) vortmanni].
Upper Oligocene (John Day); Oregon.

Tillomys Marsh. Type *T. senex* Marsh.

Hay, O. P. 1902 A, 724 (Tillomys, Taxymys).
Haug, E. 1911 A, 1528.
Matthew, W. D. 1907 A, 212 (Tillomys, Taxymys).
1909 C, 101 (Tillomys, Taxymys).
1910 B, 60 (Tillomys, Taxymys).
Matthew and Granger 1925 B, 5.
Palmer, T. S. 1904 A, 680, 850 (Tillomys); 666, 850 (Taxymys).
Troxell, E. L. 1923 D, 384, 387.

Tillomys lucaris (Marsh).

Hay, O. P. 1902 A, 724 (Taxymys).
Matthew, W. D. 1909 C, 97 (Taxymys).
Trouessart, E. L. 1904 A, 477 (Taxymys).
Troxell, E. L. 1923 D, 384, 388, figs. 9-12, 18.
Middle Eocene (Bridger); Wyoming.

Tillomys parvidens (Marsh).

Hay, O. P. 1902 A, 724 (Paramys).
Matthew, W. D. 1908 C, 97 (Sciuravus).
Trouessart, E. L. 1904 A, 477 (Paramys).
Troxell, E. L. 1923 D, 384 ("S." parvidens); to Tillomys.
Middle Eocene (Bridger); Wyoming.

Tillomys parvus Marsh.

Hay, O. P. 1902 A, 724.
Matthew, W. D. 1909 C, 97.
Trouessart, E. L. 1904 A, 477.

Troxell, E. L. 1923 D, 390, figs. 13, 16, 17.
Middle Eocene (Bridger); Wyoming.

Tillomys parvus plicatus Troxell.

Troxell, E. L. 1923 D, 384, figs. 14, 15.
Middle Eocene (Bridger); Wyoming.

Tillomys senex Marsh.

Hay, O. P. 1902 A, 724.
Matthew, W. D. 1909 C, 97.
Trouessart, E. L. 1904 A, 477.
Troxell, E. L. 1923 D, 384, 388, figs. 7, 8.
Middle Eocene (Bridger); Wyoming.

ALLOMYIDÆ Marsh.

Marsh, O. C. 1877 D, 253.
Hay, O. P. 1902 A, 718 (Pteromyinæ).
Matthew, W. D. 1924 C, 84.
Miller and Gidley 1918 A, 440.
Palmer, T. S. 1904 A, 864.
Winge, H. 1924 A, 7, 16 (Allomyini).

ALLOMYS Marsh. Type *A. nitens* Marsh.

Hay, O. P. 1902 A, 718.
Matthew, W. D. 1904 C, 263, 264, fig. 13 (Meniscomys).
1909 C, 107 (Allomys); 110 (Meniscomys).
1910 B, 71.
1924 C, 81.
Miller and Gidley 1918 A, 440.
Osborn, H. F. 1909 D, 66.
Palmer, T. S. 1904 A, 89, 864.
Weber, M. 1904 A, 512.
Weber and Abel 1928 A, 298.
Winge, H. 1924 A, 14.

Allomys cavatus (Cope).

Hay, O. P. 1902 A, 718.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185, 188, 189, 190.
Taylor, W. P. 1918 A, 451, fig. G.
Oligocene (Upper); Oregon.

Allomys multiplicatus (Cope).

Hay, O. P. 1902 A, 719.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185 (A. nitens multiplicatus).
Oligocene (Upper); Oregon.

Allomys nitens Marsh.

Hay, O. P. 1902 A, 719.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 1, 188, 189.
Oligocene (Upper); Oregon.

HAPLOMYS Miller and Gidley. Type *Meniscomys liolophus* Cope.

Miller and Gidley 1918 A, 440.

Haplomys liolophus (Cope).

Hay, O. P. 1902 A, 719 (Allomys).
Matthew, W. D. 1909 C, 107 (Allomys).
Merriam and Sinclair 1907 A, 185, 188, 190 (Allomys).
Miller and Gidley 1918 A, 440.
Taylor, W. P. 1918 A, 451, fig. F. (Allomys).
Upper Oligocene (John Day); Oregon.

MENISCOMYS Cope. Type *M. hippodus* Cope.

Hay, O. P. 1902 A, 718 (Allomys, in part).
Furlong, E. L. 1910 A, 401.
Haug, E. 1911 A, 1705.
Matthew, W. D. 1910 B, 69.
1924 C, 84.
Merriam, J. C. 1916 A, 179.
Miller, G. S. 1927 A, 15.
Miller and Gidley 1918 A, 440.
Osborn, H. F. 1909 D, 68, 75.
1912 G, 246.
Palmer, T. S. 1904 A, 409, 866.
Schlosser, M. 1924 A, 30.
Seeley, H. G. 1886 A, 515.
Weber and Abel 1928 A, 297.
Winge, H. 1924 A, 14, 101 (Syn. of Allomys).
Zittel and Schlosser 1911 A, 425.
1923 A, 509, 672.

Meniscomys hippodus Cope.

Hay, O. P. 1902 A, 718 (Allomys).
Cossmann, M. 1900 A, 54 (Protogaulus).
Furlong, E. L. 1910 A, 401 (Meniscomys).
Matthew, W. D. 1901 B, 379 (Meniscomys).
1904 C, 263 (Meniscomys).
1909 C, 107 (Allomys).
Merriam and Sinclair 1907 A, 185, 188, 189 (Allomys).
Seeley, H. G. 1886 A, 515 (Meniscomys).
Sinclair, W. J. 1903 C, 143 (Allomys).
Trouessart, E. L. 1904 A, 296 (Protogaulus).
Oligocene (Upper); Oregon.

Meniscomys sp. indet.

Cook, H. J. 1912 D, 42. Miocene (Upper Harrison); Nebraska.
Matthew, W. D. 1904 C, 263. Lower Miocene (Rosebud); South Dakota.
1907 A, 172. Lower Miocene (Rosebud); South Dakota.
1909 C, 112. Miocene (Lower); Nebraska, South Dakota.

APLODONTIIDÆ Thomas.

Arldt, T. 1907 D, 247, 321 (Haplodontidæ).
Beddard, F. E. 1902 A, 469 (Haplodontiidæ).
Chandler, A. C. 1914 B, 134.
Coues, E. 1883 A, 121 (Haplodontidæ).
Elliot, D. G. 1901 A, 111 (Haplodontidæ).
Flower and Lydekker 1891 A, 457 (Haplodontidæ).
Furlong, E. L. 1910 A, 403.
Gill, T. 1872 B, 22 (Haploodontoidea).
Grant, M. 1904 B, 205 (Haplodontidæ).

Höfer, H. 1911 A, 445 (Haplodontoidea).
Hogben, L. T. 1919 A, 72 (Haplodontidæ).
Lilljeborg, W. 1866 A, 41 (Haploodontidæ).
Lobley, J. L. 1908 A, 200 (Haplodontidæ).
Matthew, W. D. 1904 C, 263, 264, fig. 13 (Haplodontiidæ).
1909 C, 107, 110, 119.
1910 B, 65, 69, 71 (Aplodontiidæ); 229, 248, 534 (Haplodontiidæ); 69 (Aplodontoidea).
Miller, G. S. 1912 B, 291.
Miller and Gidley 1918 A, 440.
Osborn, H. F. 1909 D, 64, 66, 68 (Haplodontidæ).
Scott, W. B. 1913 A, 249.
Taylor, W. P. 1917 A, 272.
1918 A, 450.
Trouessart, E. L. 1904 A, 348 (Aplodontidæ).
Weber, M. 1904 A, 490, 496 (Haplodontoidea).
Weber and Abel 1928 A, 267, 272 (Haplodontidæ).
Winge, H. 1888 A, 115 (Haplodontidæ).
1924 A, 7, 16 (Haplodontini).
Zittel, K. A. 1893 B, 521 (Haplodontidæ).
Zittel and Schlosser 1911 A, 425 (Aplodontoidea, Aplodontinæ).
1923 A, 509 (Aplodontoidea, Aplodontinæ).

Liodontia Miller and Gidley. Type *Aplodontia alexandriæ* Furlong.

Miller and Gidley 1918 A, 440.

Liodontia alexandræ (Furlong).

Furlong, E. L. 1910 A, 398, figs. 1-5 (Aplodontia).
Kellogg, L. 1910 A, 429 (Aplodontia).
Merriam, J. C. 1911 B, 205, 211, 213-215, 253, 254 (Aplodontia).
Merriam, J. C. 1916 A, 178 (Aplodontia).
1917 A, 429 (Aplodontia).
Miller and Gidley 1918 A, 440.
Taylor, W. P. 1917 A, 272 (Aplodontia).
Miocene (Virgin Valley); Nevada: Pliocene (Thousand Creek); Nevada.

Aplodontia Richardson. Type *A. leporina* Richardson.

Richardson, J. 1829, Zool. Jour., IV, 334.
Allen, J. A. 1892 A.
Anthony, H. E. 1916 A, 53.
Beddard, F. C. 1902 A, 469 (Haplodon).
Camp, C. L. 1918 A, 517, 6 figs.
Cockerell, T. D. A. 1916 C, 531, figs. 1-3.
Coues, E. 1883 A, 118 (Haplodon).
Elliot, D. G. 1901 A, 112 (Haplodontia).
Flower and Lydekker 1891 A, 457 (Haplodon).
Foote, J. S. 1916 A, 148, pl. xx (Haplodontia).
Furlong, E. L. 1907 A, 394.
Gidley, J. W. 1907 B, 629, pl. lx, fig. 2.
Grant, M. 1904 B, 195 (Haplodon).
Kampfen, P. N. 1905 A, 555.
Lilljeborg, W. 1866 A, 42 (Haploodon).
Matthew, W. D. 1910 B, 47, 65, 71.
1915 A, 229.
Matthew and Granger 1923 B, 1 (Haplodontia).
Merriam, C. H. 1886 A, 312.
1892 A, 61.
Merriam, J. C. 1911 B, 206, 215.
1916 A, 178.
Miller, G. S. 1912 B, 291.
1924 C, 429.
1927 A, 13.
Miller and Gidley 1918 A, 440.
Osborn, H. F. 1910 B, 357, 477, 534 (Haplodontia).
Palmer, T. S. 1904 A, 112, 842.
Peterson, O. A. 1905 A, 142.
Scharff, R. F. 1911 A, 228.
Schlosser, M. 1924 A, 30.
Scott, W. B. 1913 A, 153, 233, 676.
Seeley, H. G. 1886 A, 515 (Haplodontia).
Taylor, W. P. 1916 A, 470, 478.
1917 A, 272.
1918 A, 484.
Trouessart, E. L. 1904 A, 348.
Wagner, A. 1841 A, 123 (Haplodon).
Waterhouse, G. R. 1839 C, 174.
1842 A, 201, 203.
Weber, M. 1904 A, 496.
Weber and Abel 1928 A, 272.
Winge, H. 1888 A, 115 (Haplodon).
1924 A, 16, 104 (Haplodon).
Zittel and Schlosser 1911 A, 425 (Haplodon).
1923 A, 509.

Aplodontia rufa californica (Peters).

Peters, W. 1864, Mon. preuss. Akad. Wiss. Berlin, 177-180 (Haplodon leporinus californicus).
Coues, E. 1883 A, 121, figs. 63-65 (A. rufa).
Elliot, D. G. 1901 A, 112 (Haplodontia rufa californica).
Furlong, E. L. 1904 A, 54, 55 (A. rufa, A. major).
1906 A, 243, 245 (A. rufa, A. major?).
1910 A, 400 (A. rufa).
Hay, O. P. 1927 D, 214, 215 (A. californica fossilis).
Kellogg, L. 1912 A, 156, fig. 5 (A. major fossilis).
Merriam, C. H. 1886 A, 316, pls. xix, xx (A. major).
Merriam and Stock 1925 A, 10 (A. californica fossilis).
Miller, G. S. 1924 C, 431.
Miller, L. H. 1912 A, 70, 73 (A. rufa, A. major, n. subsp.).
Sinclair, W. J. 1903 A, 711 (A. major?).
1904 A, 17 (A. major, n. subsp.).
1905 B, 147 (A. major).
Stock, C. 1918 A, 468, 469 (A. californica).
Taylor, W. P. 1918 A, 473, pl. xxvi, fig. 5; pl. xxvii, figs. 8, 10; pl. xxix.
Recent; Sierra Nevada Mountains; California: Quaternary (caves); California.

Aplodontia sp. indet.

Hay, O. P. 1927 D, 63, 222, 223. Pleistocene; California.
Stock, C. 1925 A, 113 (This genus?). Pleistocene (Cave); California.

CYLINDRODONTIDÆ Miller and Gidley.

Miller and Gidley 1918 A, 440.

CYLINDRODON Douglass. Type *C. fontis* Douglass.

Douglass, E. 1901 B, 251.
1905 A, 211.
Matthew, W. D. 1909 C, 110.
1910 B, 64, 71.
1915 K, 420.
Miller and Gidley 1918 A, 440.
Osborn, H. F. 1910 B, 534.
Palmer, T. S. 1904 A, 208, 842.
Schlosser, M. 1911 A, 166.
Zittel and Schlosser 1911 A, 428.
1923 A, 512.

Cylindrodon fontis Douglass.

Douglass, E. 1901 B, 242, 251, pl. ix, figs. 9, 9*a*.
1903 A, 149.
Granger, W. 1910 B, 240.
Lambe, L. M. 1908 A, 11, 56, pl. viii, figs. 19, 20.
Matthew, W. D. 1903 B, 212, text-figs. 7, 8.
1909 C, 103.
1910 A, 33.
Trouessart, E. L. 1904 A, 295.
Oligocene (Lower); Montana: (White River); Wyoming?: (Cypress Hills); Saskatchewan.

MYLAGAULIDÆ Cope.

Hay, O. P. 1902 A, 721.
Arldt, T. 1912 A, 698.
Cossmann, M. 1900 A, 54.
Douglass, E. 1903 A, 186.
Gidley, J. W. 1907 B, 628.
Matthew, W. D. 1901 B, 377.
1902 D, 294.
1904 C, 264.
1905 D, 52.
1909 C, 114, 116, 119.
1910 B, 69, 71.
1924 C, 75, 81, 84.
Miller and Gidley 1918 A, 441.
Osborn, H. F. 1905 I, 107.
1909 D, 131.
1910 B, 624.
Palmer, T. S. 1904 A, 755, 842.
Scott, W. B. 1913 A, 222, 233.
Trouessart, E. L. 1904 A, 296.
Weber, M. 1904 A, 512.
Weber and Abel 1928 A, 297.
Winge, H. 1924 A, 7, 15, 16 (Mylagaulini).
Zittel and Schlosser 1911 A, 427 (Mylagaulinæ).
1923 A, 511 (Mylagaulinæ).

MESOGAULUS Riggs. Type *M. ballensis* Riggs.

Hay, O. P. 1902 A, 721.
Cossmann, M. 1900 A, 54.
Haug, E. 1911 A, 1705.
Matthew, W. D. 1901 B, 374.
1909 C, 119.
1910 B, 71.
1924 C, 76.
Osborn, H. F. 1910 B, 535.
Palmer, T. S. 1904 A, 414, 843.
Winge, H. 1924 A, 15.

Mesogaulus ballensis Riggs.

Hay, O. P. 1902 A, 721.
Matthew, W. D. 1901 B, 377, 378 (= Mylogaulus monodon).
1902 D, 298 (Mylogaulus).
1909 C, 114.
1924 C, 81.
Matthew and Cook 1909 A, 380.
Miocene (Deep River); Montana.

MYLAGAULUS Cope. Type *M. sesquipedalis* Cope.

Hay, O. P. 1902 A, 721.
Cope, E. D. 1880 U, 152.
Cossmann, M. 1900 A, 54.
Douglass, E. 1903 A, 186.
1907 B, 98.
1909 A, 477.
Furlong, E. L. 1910 A, 403 (Mylagaulodon).
Haug, E. 1911 A, 1706.
Matthew, W. D. 1901 B, 374.
1902 D, 291, fig. 2.
1904 C, 264, fig. 13 (Mylagaulus, Mylagaulodon).
1907 A, 175, 210.
1909 C, 119 (Mylagaulus); 110 (Mylagaulodon).
1910 B, 71 (Mylagaulus); 69, 71 (Mylagaulodon).
1912 B, 186.
1918 A, 199.
1924 C, 74, 75, 81 (Mylagaulodon a syn.)
Merriam, J. C. 1911 B, 207, 216.
Miller and Gidley 1918 A, 441.
Osborn, H. F. 1907 G, 147, figs. 107, 108.
Osborn, H. F. 1909 D, 68, 88 (Mylagaulodon); 78, 81 (Mylagaulus).
1910 B, 297, 352, 535 (Mylagaulus); 534 (Mylagaulodon).
Palmer, T. S. 1904 A, 437, 843 (Mylagaulus, Mylaugaulodon).
Schlosser, M. 1902 J, 135.
Sinclair, W. J. 1903 C, 143 (Mylagaulus); 143 (Mylagaulodon; type *M. angulatus*).
Trouessart, E. L. 1904 A, 296.
Weber, M. 1904 A, 512.
Weber and Abel 1928 A, 297.
Winge, H. 1924 A, 15, 16.

Mylagaulus angulatus (Sinclair).

Sinclair, W. J. 1903 C, 143, fig. 1 (Mylagaulodon).
Matthew, W. D. 1909 C, 107 (Mylagaulodon).
Merriam and Sinclair 1903 A, 96 (Mylagaulodon).
1907 A, 185, 191, 192 (Mylagaulodon).
Upper Oligocene (John Day); Oregon.

Mylagaulus lævis Matthew.

Matthew, W. D. 1902 D, 298.
Douglass, E. 1903 A, 186.
Matthew, W. D. 1901 B, 377 (M. monodon).
1909 C, 114.
1924 C, 66, 75, 78, figs. 2-4.
Trouessart, E. L. 1904 A, 296.
Upper Miocene (Pawnee Creek); Colorado: (Lower Sheep Creek); Nebraska.

Mylagaulus monodon Cope.

Hay, O. P. 1902 A, 721.
Barbour and Cook 1917 B, 180.
Cook, H. J. 1912 D, 44 (This species?).
Cope and Matthew 1915 A, pl. cxix *c*, figs. 10, 11.
Gidley, J. W. 1904 A, 245.
Kellogg, L. 1910 A, 429, figs. 9-10*b*.
Matthew, W. D. 1901 B, 358, 377, text-figs. 3-6.
1902 D, 297.
1904 C, 265.
1909 C, 116.
1918 A, 186 (This species?).
1924 C, 66, 75.
Matthew and Cook 1909 A, 379, fig. 8.
Merriam, J. C. 1911 B, 205, 211, 214, 215, 253, 254.
1917 A, 429, 438 (M. monodon); 436 (This species?).
Sinclair, W. J. 1915 A, 76 (This species?).
Pleistocene (Valentine); Nebraska: Pliocene (Snake Creek); Nebraska: Miocene (Virgin Valley and Thousand Creek); Nevada: Upper Miocene (Arikaree, Republican River); South Dakota, Kansas.

Mylagaulus novellus Matthew.

Matthew, W. D. 1924 C, 66, 84.
Middle Miocene (Sheep Creek); Nebraska.

Mylagaulus paniensis Matthew.

Matthew, W. D. 1902 D, 299, fig. 4.
Douglass, E. 1903 A, 153, 172, 191, figs. 14, 29 (This species?).
Matthew, W. D. 1909 C, 114, 116.
Matthew, W. D. 1924 C, 66, 81.
Matthew and Cook 1909 A, 380.
Trouessart, E. L. 1904 A, 296.
Upper Miocene (Pawnee Creek); Colorado, Montana: (Lower Snake Creek); Nebraska, Montana?.

Mylagaulus pristinus Douglass.

Douglass, E. 1903 A, 154, 186, 187, fig. 26 (This genus?).
Kellogg, L. 1910 A, 429, figs. 11-12*b*.
Matthew, W. D. 1909 C, 116.
Merriam, J. C. 1911 B, 205, 214, 253, 254.
Trouessart, E. L. 1904 A, 296.
Miocene (Virgin Valley); Nevada, Montana.

Mylagaulus proximus Douglass.

Douglass, E. 1903 A, 154, 189, fig. 27.
Matthew, W. D. 1909 C, 116.
Trouessart, E. L. 1904 A, 296.
Miocene (Madison Valley); Montana.

Mylagaulus sesquipedalis Cope.

Hay, O. P. 1902 A, 721.
Cope and Matthew 1915 A, pl. cxix *c*, fig. 12.
Matthew, W. D. 1901 B, 377.
1902 D, 297.
1909 C, 116.
1924 C, 66, 75, 76.
Merriam, J. C. 1917 A, 438.
Trouessart, E. L. 1904 A, 296.
Lower Pliocene (Upper Snake Creek); Nebraska: (Republican River); Kansas.

Mylagaulus vetus Matthew.

Matthew, W. D. 1924 C, 66, 82, figs. 5-8.
Middle Miocene (Sheep Creek); Nebraska.

Mylagaulus sp. indet.

Douglass, E. 1903 A, 190, fig. 28. Miocene; Montana.
Matthew, W. D. 1923 A, 12. Lower Pliocene (Upper Snake Creek); Nebraska.
Merriam and Sinclair 1907 A, 196 (In supposed Mascall).

Ceratogaulus Matthew. Type *C. rhinocerus* Matthew.

Matthew, W. D. 1902 D, 291, fig. 3.
Abel, O. 1908 D, (214).
1912 F, 576.
Gidley, J. W. 1907 B, 627.
Matthew, W. D. 1905 D, 52, fig. 25.
1909 C, 119.
1910 B, 71.
1924 C, 76.
Miller and Gidley 1918 A, 441.
Osborn, H. F. 1905 H, 222.
1905 I, 107.
1909 D, 78.
1910 B, 297, 535.
Palmer, T. S. 1904 A, 170, 842.
Weber, M. 1904 A, 512.
Weber and Abel 1928 A, 297.
Winge, H. 1924 A, 16, 17.

Ceratogaulus rhinocerus Matthew.

Matthew, W. D. 1902 D, 219, 299, fig. 1.
Abel, O. 1912 F, 575, fig. 446.
1913 B, 729, fig. 39.
1914 A, 120, fig. 86.
Douglass, E. 1903 A, 186.
Matthew, W. D. 1909 C, 114.
1924 C, 66, 76.
Trouessart, E. L. 1904 A. 296.
Weber, M. 1904 A, 512, fig. 384.
Weber and Abel 1928 A, 297, fig. 186.
Miocene (Pawnee Creek); Colorado: (Lower Snake Creek); Nebraska.

Ceratogaulus sp. indet.

Gidley, J. W. 1918 C, 180. Late Tertiary (Flaxville); Montana.
Hay, O. P. 1924 D, 169. Pliocene?; Montana.

EPIGAULUS Gidley. Type *E. hatcheri* Gidley.

Gidley, J. W. 1907 B, 628.
Abel, O. 1908 D (214).
1912 F, 576.
Matthew, W. D. 1909 C, 119.
1910 B, 71.
1924 C, 76.
Miller and Gidley 1918 A, 441.
Osborn, H. F. 1909 D, 81.
1910 B, 291, 352, 535, fig. 144.
Scott, W. B. 1913 A, 223.
Winge, H. 1924 A, 16.

Epigaulus hatcheri Gidley.

Gidley, J. W. 1907 B, 628, pls. lviii-lx, fig. 1; pls. lxi-lxv; text-fig. 1.
Abel, O. 1912 F, 578, fig. 448.
1914 A, 118, figs. 83, 84.
1920 A, 430, fig. 653.
1925 A, 19, fig. 16.
Gilmore, C. W. 1921 F, 66 ("Epigælus").
Matthew, W. D. 1909 C, 116.
1924 C, 75.
Merriam, J. C. 1917 A, 438.
Scott, W. B. 1913 A, 223, fig. 123.
Miocene (Republican River); Kansas.

Epigaulus sp. indet.

Barbour and Cook 1917 B, 180. Pliocene (Valentine); Nebraska.

SCIURAVIDÆ Miller and Gidley.

Miller and Gidley 1918 A, 442.

SCIURAVUS Marsh. Type *S. nitidus* Marsh.

Marsh, O. C. 1871 E, 122.
Hay, O. P. 1902 A, 723 (Paramys, in part); 725 (Colonomys).
Haug, E. 1911 A, 1528 (Sciuravus, Colonomys).
Loomis, F. B. 1907 A, 123.
Matthew, W. D. 1907 A, 212 (Colonomys).
1909 C, 101 (Colonomys).
1910 B, 59, 71 (Sciuravus); 80 (Colonomys).
1928 B, 977.
Osborn, H. F. 1909 D, 135.
1910 B, 128, 134, 534.
1912 G, 236, fig. 3.
Palmer, T. S. 1904 A, 625, 850 (Sciuravus); 196, 849 (Colonomys).
Schlosser, M. 1924 A, 27.
Scott, W. B. 1913 A, 280.
Taylor, W. P. 1915 A, 167.
Troxell, E. L. 1923 D, 384, figs. 3-5, 21, 22.
Wallace, A. R. 1876 A, I, 140.
Weber and Abel 1928 A, 296.
Winge, H. 1924 A, 15, 81.
Wortman, J. L. 1903 C, XVI, 368.
Zittel and Schlosser 1911 A, 425.
1923 A, 509, 667.

Sciuravus altidens Peterson.

Peterson, O. A. 1919 A, 64, fig. 5.
Upper Eocene (Uinta); Utah.

Sciuravus depressus Loomis.

Loomis, F. B. 1907 A, 130, fig. 7.
Matthew, W. D. 1909 C, 94.
Troxell, E. L. 1923 D, 384, 385 (This genus?).
Middle Eocene (Wind River); Wyoming.

Sciuravus nitidus Marsh.

Hay, O. P. 1902 A, 724 (Paramys); 725 (Colonymys celer).
Loomis, F. B. 1907 A, 125.
Matthew, W. D. 1909 C, 97 (Sciuravus; Colonomys celer).
1909 D, 300 (Colonymys celer).
1910 B, 59, figs. 13-15.
Peterson, O. A. 1919 A, 64.
Trouessart, E. L. 1904 A, 477 (Paramys; Colonymys celer).
Troxell, E. L. 1923 D, 384, figs. 1, 6.
Middle Eocene (Bridger); Wyoming.

Sciuravus undans Marsh.

Hay, O. P. 1902 A, 724 (Paramys).
Trouessart, E. L. 1904 A, 477 (Paramys).
Troxell, E. L. 1923 D, 384, 385, fig. 2.
Middle Eocene (Bridger); Wyoming.

Sciuravus sp. indet.

Matthew, W. D. 1909 C, 97. Eocene (Uinta); Wyoming, Utah.

ZAPODIDÆ Coues.

Coues, E. 1876 A, 253.
Chandler, A. C. 1914 B, 134.
Cockerell and Miller 1914 A, 372.
Coues, E. 1883 A, 94.
Elliot, D. G. 1901 A, 256.
Gill, T. N. 1885 B, 18.
Gregory, W. K. 1914 G, 380.
Hay, O. P. 1923 A, 312.
Lyon, M. W. 1901 A, 666.
Miller, G. S. 1912 B, 286.
Miller and Gidley 1918 A, 732.
Palmer, T. S. 1904 A, 776, 868.
Trouessart, E. L. 1904 A, 490 (Zapodinæ).

ZAPODINÆ Flower and Lydekker.

Flower and Lydekker 1891 A, 480.
Hay, O. P. 1902 A, 732.
Arldt, T. 1912 A, 742.
Lyon, M. W. 1901 A, 666.
Miller, G. S. 1924 C, 432.
Miller and Gidley 1918 A, 443.
Winge, H. 1888 A, 156 (Jaculinæ).
Zittel and Schlosser 1911 A, 429.
1923 A, 513.

ZAPUS Coues. Type *Dipus hudsonius* Zimmerman.

Hay, O. P. 1902 A, 732.
Allen, J. A. 1892 A.
1904 B, 136.
Beddard, F. E. 1902 A, 486.
Cockerell and Miller 1914 A, 372, figs. 111, 112.
Elliot, D. G. 1901 A, 257.
Kampfen, P. N. 1905 A, 565 (Meriones).
Leunis and Ludwig 1883 A, 218 (Jaculus).
Lilljeborg, W. 1866 A, 30 (Jaculus).
Lyon, M. W. 1901 A, 659, pls. xxv, fig. 1, xxvi, fig. 1, xxvii, fig. 1.
Merriam, C. H. 1892 A, 61.
Miller, G. S. 1912 B, 280.
1924 C, 432.
Miller and Gidley 1918 A, 443.
Osborn, H. F. 1910 B, 470, 538.
Palmer, T. S. 1904 A, 713, 868.
Scharff, R. F. 1911 A, 29.
Seton, E. T. 1909 A, 587.
Taschenberg, O. 1899 A, 4707.
Trouessart, E. L. 1904 A, 490.
Wagner, A. 1841 A, 119 (Jaculus).
Weber, M. 1904 A, 501.
Weber and Abel 1928 A, 280.
Winge, H. 1888 A, 119 (Jaculus).
1924 A, 23 (Jaculus).

Zapus hudsonius (Zimmerman).

Hay, O. P. 1902 A, 732.
Baker, F. C. 1920 A, 208, 214, 397 (Z. hudsonicus).
Coues, E. 1883 A, 94, fig. 40.
Cuvier, G. 1825 A, v, 1, 34, pl. i (Dipus americanus).
Elliot, D. G. 1901 A, 257, fig. 59.
Fischer, J. B. 1829 A, 339 (Dipus).
Frech, F. 1906 A, 484.
Giebel, C. G. 1865 B, 272 (Jaculus labradorius).
1883 A, pl. xxiii (Jaculus labradorius).
Hay, O. P. 1923 A, 312.
Miller, G. S. 1912 B, 280.
1924 C, 432.
Pander and Alton 1824 A, 2.
Peterson, O. A. 1926 A, 278.
Rehs, J. 1914 A, 93.
Rhoads, S. N. 1903 A, 245.
Scharff, R. F. 1911 A, 27, 29.
Seton, E. T. 1909 A, 587, text-fig. 172, map 35.
Trouessart, E. L. 1904 A, 490.
Waterhouse, G. R. 1839 D, 188 (Meriones canadensis).
Recent; greater part of North America: Pleistocene (Early); Pennsylvania.

NAPÆOZAPUS Preble. Type *Zapus insignis* Miller.

Preble, E. A. 1899, N. A. Fauna, No. 15, 33.
Elliot, D. G. 1901 A, 263, fig. 60 (Subgenus of Zapus).
Miller, G. S. 1912 B, 283.
1924 C, 432.
Miller and Gidley 1918 A, 443.
Palmer, T. S. 1904 A, 448, 868.
Trouessart, E. L. 1904 A, 491.
Winge, H. 1924 A, 23 (Jaculus).

Napæozapus sp. indet.

Gidley, J. W. 1913 B, 96. Pleistocene (Middle); Maryland.
Hay, O. P. 1923 A, 350. Pleistocene (Middle); Maryland.

DIPODIDÆ Waterhouse.

Hay, O. P. 1902 A, 732.
Beddard, F. E. 1902 A, 484.
Carus, V. 1875 A, 100 (Dipodida).
Dobson, G. E. 1883 B, 640.
Doran, A. H. G. 1878 A, 414.
Giebel, C. G. 1883 A.
Hogben, L. T. 1919 A, 73.
Krumbach, T. 1904 A, 289 ("dipodiden").
Leche, W. 1887 A.
Lilljeborg, W. 1866 A, 28.
Lyon, M. W. 1901 A, 661.
Matthew, W. D. 1909 C, 107.
1910 B, 72.
Matthew and Granger 1923 B, 1.
Miller and Gidley 1918 A, 443.
Rehs, J. 1914 A, 93.
Schapiro, B. 1913 A, 219 ("dipodiden").
Schlosser, M. 1899 D, 166 ("dipodiden").
1924 A, 34.
Seton, E. T. 1909 A, 587.
Tornier, G. 1894 B, 104 ("dipodiden").
Weber and Abel 1928 A, 279.
Winge, H. 1924 A, 27 (Dipodini).
Zittel and Schlosser 1911 A, 429 (Dipodoidea).
1923 A, 513 (Dipodoidea).

PROTOPTYCHINÆ.

Miller and Gidley 1918 A, 443.
Zittel and Schlosser 1911 A, 427.
1923 A, 511.

PROTOPTYCHUS Scott. Type *P. hatcheri* Scott.

Hay, O. P. 1902 A, 730.
Matthew, W. D. 1907 A, 211.
1909 C, 101.
1910 B, 68, 72.
1928 B, 977.
Miller and Gidley 1918 A, 443.
Osborn, H. F. 1909 D, 57.
1910 B, 168, 536, 538.
Palmer, T. S. 1904 A, 584, 849.
Schlosser, M. 1899 D, 166.
1902 I, 707.
1911 A, 166.
Weber, M. 1904 A, 511.
Weber and Abel 1928 A, 277.
Zittel and Schlosser 1911 A, 427.
1923 A, 518, 669.

Protoptychus hatcheri Scott.

Hay, O. P. 1902 A, 730.
Matthew, W. D. 1909 C, 99.
Schlosser, M. 1899 D, 166.
Trouessart, E. L. 1904 A, 475.
Upper Eocene (Uinta); Utah.

PACICULUS Cope. Type *P. insolitus* Cope.

Hay, O. P. 1902 A, 727.
Ameghino, F. 1912 B, 172.
Matthew, W. D. 1909 C, 110.
1910 B, 72.
Palmer, T. S. 1904 A, 496, 853.
Schlosser, M. 1899 D, 166.
Seeley, H. G. 1886 A, 515.
Zittel and Schlosser 1911 A, 430.
1923 A, 514, 672.

Paciculus insolitus Cope.

Hay, O. P. 1902 A, 727.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185.
Upper Oligocene (John Day); Oregon.

Paciculus lockingtonianus Cope.

Hay, O. P. 1902 A, 727.
Matthew, W. D. 1909 C, 107.
Merriam and Sinclair 1907 A, 185.
Upper Oligocene (John Day); Oregon.

Suborder HYSTRICIFORMES, new name.

Unless otherwise indicated the authors, as cited, use for this suborder the name Hystricomorpha.
Hay, O. P. 1902 A, 732.
Ameghino, F. 1889 A, 1016.
1893 B, 444.
1906 A, 240, 409.
1912 B, 172.
Anderson, R. J. 1909 A, 744 (Hystricoidea).
Andrews, C. W. 1916 D, 548 ("hystricomorphs").
Arldt, T. 1907 A, 238 ("hystricomorphen").
1907 C, 676.
1907 D, 660.
Beddard, F. E. 1902 A, 487.
Branca, W. 1907 A, 10.
Cope, E. D. 1891 N, 70, 90.
Coues, E. 1883 A, 81.
Doran, A. H. G. 1878 A, 418.
Gregory, W. K. 1910 A, 326, 330.
1914 G, 380.
Kampfen, P. N. 1905 A, 554.
Lesbre, F. X. 1907 A, 1 (Hystrix).
Matthew, W. D. 1910 B, 64, 69, 72.
1912 B, 186.
1914 H, 380 ("hystricomorphs").
1915 A, 230, fig. 15.
Osborn, H. F. 1909 D, 88, 89.
1910 B, 538.
Pocock, R. I. 1916 G, 548.
Rehs, J. 1914 A, 69, 92 (Hystricomorphi).
Reynolds, S. H. 1897 A, 477, 488.
Schapiro, B. 1913 A, 277.
Scharff, R. F. 1907 A, 229.
1911 A, 371, 399, 402.
Schlosser, M. 1902 I, 708, 738.
Scott, W. B. 1905 B, 495.
1913 A, 245, 262.
1916 A, 116.
1928 B, 254.
Seeley, H. G. 1886 A, 514.
Sinclair, W. J. 1905 D, 384, 495.
Stromer, E. 1926 A, 136.
Thacker, A. G. 1922 A, 600, 603.
Trouessart, E. L. 1904 A, 496.
Wagner, A. 1841 A, 127 (Hystricina).
Waterhouse, G. R. 1839 D, 92 (Hystricina).
1842 A, 345 (Hystricina).
Weber, M. 1904 A, 489.
Weber and Abel 1928 A, 267, 288.
Winge, H. 1888 A, 156.
Zittel and Schlosser 1911 A, 424.
1923 A, 508.

Superfamily HYSTRICOIDÆ Miller and Gidley.

Miller and Gidley 1918 A, 444.
Gill, T. 1872 B, 22 (Hystricoidea).
Kraglievich, L. 1926 C, 47 (Hystricoidea).
Miller, G. S. 1924 C, 436.
Weber, M. 1904 A, 491, 505 (Hystricoidea).
Weber and Abel 1928 A, 248, 269, 288, 298 (Hystricoidea).
Weber and Burlet 1927 A, xiv (Hystricoidæ).
Winge, H. 1924 A, 8, 57, 75 (Hystricidæ).
Wortman, J. L. 1920 A, 33.
Zittel and Schlosser 1911 A, 431 (Hystricoidea).
1923 A, 515 (Hystricoidea).

ERETHIZONTIDÆ Thomas.

Hay, O. P. 1902 A, 732 (Erethizontidæ, Erethizontinæ).
Ameghino, F. 1903 A, 119 (Cœnidæ).
1906 A, 241, 421 (Erethizontidæ, Cœndidæ).
Chandler, A. C. 1914 B, 134.
Elliot, D. G. 1901 A, 264.
Grant, M. 1904 B, 205.
Hay, O. P. 1923 A, 312.
Höfer, H. 1911 A, 463.
Hogben, L. T. 1919 A, 73.
Matthew, W. D. 1910 B, 72.
1913 B, 291.
1915 A, 230, fig. 4.
1915 K, fig. 17 ("porcupines").
Miller, G. S. 1912 B, 289.
1920 B, 190.
Miller and Gidley 1918 A, 441, 445.
Rehs, J. 1914 A, 92.
Scharff, R. F. 1911 A, 71 (Cœndidæ).
Schlosser, M. 1902 I, 708.

Schlosser, M. 1911 A, 151, 162 ("erethizontiden").
Scott, W. B. 1905 B, 493 (Erethizontidæ, Erithizontinæ).
Seton, E. T. 1909 A, 605.
Sinclair, W. J. 1905 D, 413, 493.
Trouessart, E. L. 1904 A, 512 (Cœndidæ).
Weber, M. 1904 A, 505.
Weber and Abel 1928 A, 269, 289.
Zittel and Schlosser 1911 A, 431 (Erethizontinæ).
1923 A, 515, 518 (Erethyzontinæ).
Zurkirch, J. 1910 A, 138.

ERETHIZON F. Cuvier. Type *Hystrix dorsata* Linnæus.

Cuvier, F. 1822 B, 426.
Hay, O. P. 1902 A, 733.
Allen, J. A. 1892 A.
1904 A, 384.
Ameghino, F. 1912 B, 179.
Beddard, F. E. 1902 A, 498.
Cope, E. D. 1880 U, 158.
Coues, E. 1883 A, 87, 88, fig. 38.
Cuvier, F. 1825 A, 178 ("éréthizon").
Elliot, D. G. 1901 A, 264.
Foote, J. S. 1916 A, 148, pl. xx.
Frech, F. 1907 A, 315.
Frech and Geinitz 1903 A, 33.
Gadow, H. 1916 A, 545.
Grant, M. 1904 B, 195.
Heilprin, A. 1887 A, 362.
Höfer, H. 1911 A, 463.
Hogben, L. T. 1919 A, 77.
Holland, W. J. 1912 B, 750 (Erythizon).
Leche, W. 1887 A.
Leunis and Ludwig 1883 A, 226.
Lilljeborg, W. 1866 A, 53.
Matthew, W. D. 1910 B, 72.
1915 A, 231.
1915 K, 402, 466.
1918 A, 198.
Merriam, C. H. 1892 A, 61.
Miller, G. S. 1912 B, 289.
1924 C, 436.
Nopcsa, F. 1923 C, 471.
1923 H, 91, 176.
Osborn, H. F. 1909 D, 87, 88, 90.
1910 B, 614.
Palmer, T. S. 1904 A, 269, 847.
Pocock, R. I. 1916 G, 548.
Scharff, R. F. 1895 A, 467.
1909 A, 529.
1911 A, 70, 403.
Schlosser, M. 1902 I, 738.
1911 A, 162.
Scott, W. B. 1905 B, 493.
1913 A, 680.
1916 A, 115 ("porcupine").
1928 B, 254.
Seton, E. T. 1909 A, 605.
Taylor, W. P. 1916 A, 426.
Toldt, C. 1905 A, 337, figs.
Tornier, G. 1891 A, 117.
Trouessart, E. L. 1904 A, 513.
Vicq-d'Azyr, F. 1792 A, 614 ("urson").
Wagner, A. 1841 A, 127.
Weber, M. 1904 A, 506.
Weber and Abel 1928 A, 289.
Winge, H. 1924 A, 8, 61.
Zurkirch, J. 1910 A, 139.

Erethizon dorsatum (Linnæus).

Hay, O. P. 1902 A, 733 (E. cloacinus, E. dorsatus).
Allen, J. A. 1904 A, 384 (E. cloacinus).
Baker, F. C. 1920 A, 208, 214, 397 (E. dorsatus).
Brown, B. 1908 A, 192, pl. xx.
Cuvier, F. 1822 B, 432, pl. ii, figs. 1-4.
Cuvier, G. 1825 A, v, 1, 19 (Hystrix).
Elliot, D. G. 1901 A, 264, pl. xxiv (E. dorsatus).
Fischer, J. B. 1829 A, 368 (Hystrix).
Frech and Geinitz 1903 A, 36.
Haug, E. 1911 A, 1886.
Hay, O. P. 1914 A, 32.
1920 B, 106.
1923 A, 484.
Leche, W. 1887 A, 603.
Leidy, J. 1889 H, 18.
Mercer, H. 1894 A, 98 ("porcupine").
1896 A ("porcupine").
1897 A, 58.
Miller, G. S. 1912 B, 289.
1924 C, 436.
Osborn, H. F. 1909 D, 90.
1910 B, 469.
Peterson, O. A. 1926 A, 279, fig. 5.
Rehs, J. 1914 A, 92.
Rhoads, S. N. 1903 A, 242.
Scharff, R. F. 1911 A, 27, 69.
Schlosser, M. 1902 H, 140.
Seton, E. T. 1909 A, 605, pl. xli; text-fig. 173, map 36.
Trouessart, E. L. 1904 A, 513.
Recent; eastern Canada: Pleistocene; Pennsylvania, Tennessee, Arkansas.

Erethizon epixanthum Brandt.

Brandt, J. F. 1835, Mém. Acad. Imp. Sci. St. Pétersb. (6), III, 390 (E. epixanthus).
Elliot, D. G. 1901 A, 265 (E. epixanthus).
Frech, F. 1906 A, 484.
Furlong, E. L. 1904 A, 54, 55.
1906 A, 243, 245.
Hay, O. P. 1927 D, 214.
Kellogg, L. 1912 A, 162, fig. 11.
Miller, G. S. 1912 B, 289.
1924 C, 437.
Miller, L. H. 1912 A, 73.
Scharff, R. F. 1911 A, 70.
Stock, C. 1925 A, 113.
Recent; Alaska to Arizona and Nebraska: Pleistocene (Samwel Cave); California.

Erethizon godfreyi Allen.

Allen, J. A. 1904 A, 383.
Hay, O. P. 1927 D, 133.
Pleistocene; Arizona.

Erethizon sp. indet.

Gidley, J. W. 1913 B, 96 (Maryland). Pleistocene (Middle); Maryland.
1920 B, 282 ("porcupines"). Pleistocene (Middle); Maryland.
Hay, O. P. 1923 A, 321. Pleistocene or Recent; Pennsylvania.

DASYPROCTIDÆ Smith.

Smith, H. 1842.
Hay, O. P. 1902 A, 734.
Ameghino, F. 1889 A, 1010.
Arldt, T. 1907 C, 676.
1907 D, 83.
Beddard, F. E. 1902 A, 493.
Burmeister, H. 1879 B, 257 (Cœlogenyidæ).
Cockerell and Miller 1914 A, 373.
Coues, E. 1883 A, 83.
Doran, A. H. G. 1878 A, 416, pl. lx.
Eggeling, H. 1904 A, 91 (Dasyprocta).
Frey, H. 1911 A, 408 (Dasyprocta).
Giebel, C. G. 1865 C, 431 (Dasyprocta).
Gray, J. E. 1821 A, 304 (Agoutidæ).
Krumbach, T. 1904 A, 278 ("caviiden").
Mackenzie, W. 1911 A, 364 (Dasyprocta).
Miller and Gidley 1918 A, 447.
Palmer, T. S. 1904 A, 845 (Dasyproctidæ, Agoutidæ).
Preller, W. 1907 A, 378, 418 (Dasyprocta).
Rehs, J. 1914 A, 69 (Dasyprocta).
Schlosser, M. 1900 G, 306 (Dasyprocta).
Schwalbe, G. 1904 A, 207 (Dasyprocta).
Scott, W. B. 1905 B, 492.
Sinclair, W. J. 1905 D, 384, 492.
Wagner, A. 1841 A, 128 (Subungulata, in part).
Weber, M. 1904 A, 506 (Dasyprocta).
Weber and Abel 1928 A, 290 (Dasyproctinæ).
Winge, H. 1924 A, 64, 76 (Dasyproctini).
Zaaijer, T. 1894 A, 340.

CUNICULUS Brisson. Type *Mus paca* Linnæus.

Brisson, M. J. 1762, Regn. Anim. ed. 2, 13.
Hay, O. P. 1902 A, 734 (Agouti).
Beddard, F. E. 1902 A, 493 (Cœlogenys).
Berthold, A. A. 1825 A, 910, 983 (Aguti).
Bronn, H. G. 1849 A, 714 (Cœlogenys).
Burmeister, H. 1879 A, 258 (Cœlogenys).
Cleland, J. 1863 B, 301 ("paca").
Coues, E. 1883 A, 84, fig. 36 (Dasyprocta).
Cuvier, F. 1806 A, 134 (Osteopera); 135 (Cœlogenus).
1807 B, 203, pl. ix (Paca, Cœlogenus).
1812 A, 287, pl. xv, fig. 11 (Cœlogenus); 290 (Cloromis).
Erdl, M. 1843 A, 529, 537 (Cœlogenys).
Gegenbaur, C. 1864 C, 178, pl. iv, fig. 4 (Cœlogenys).
1865 C, 548 (Cœlogenys).
Giebel, C. G. 1855 A, 58 (Cœlogenys).
1865 C, 331 (Cœlogenys).
1883 A, pls. xxiv, xlvi, lxx (Cœlogenys).
Hagmann, G. 1907 A, 464, figs. 7-20 (Cœlogenys).
Heilprin, A. 1887 A, 361 (Cælogenys).
Höfer, H. 1911 A, 463, pl. xxi, figs. 37, 38 (Cœlogenys).
Köstlin, O. 1844 A (Agouti).
Leche, W. 1887 A (Cœlogenys).
Le Damany, P. 1906 B, 164 ("paca").
Meckel, J. F. 1825 A ("paca").
Miller, G. S. 1912 B, 289 (Agouti).
1924 C, 445 (Cuniculus).
Owen, R. 1845 B, 401, pl. cv, fig. 14 (Dasyprocta).
Owen, R. 1866 B, 371, fig. 237 (Cœlogenys).
1868 A, 868 (Cœlogenys).
Palmer, T. S. 1904 A, 84, 845 (Agouti).
Pander and Alton 1823 B, 7, pl. v ("paka").
1824 A, pl. ii (Dasyproctus).
Paulli, S. 1900 B, 519 (Cœlogenys).
Pictet, F. J. 1953 A, 260 (Cœlogenys).
Preller, W. 1907 A, 378, 418 (Cœlogenys).
Rehs, J. 1914 A, 92 (Cœlogenys).
Retzius, A. 1849 A, 543 (Dasyprocta).
Schwalbe, G. 1904 A, 207 (Cœlogenys).
Scott, W. B. 1905 B, 491 (Agouti).
Sinclair, W. J. 1905 D, 395, 490 (Agouti).
Tims, H. W. M. 1901 A, 285 (Cœlogenys).
Tornier, G. 1891 A, 176 (Cœlogenys).
Weber, M. 1904 A, 506 (Cœlogenys).
Weber and Burlet 1927 A, fig. 51 (Cœlogenys).
Winge, H. 1888 A, 64, 109, 133, 156 (Cœlogenys).
1924 A, 66, 77 (Cœlogenys).

Cuniculus paca (Linnæus).

Hay, O. P. 1902 A, 734.
Beddard, F. E. 1902 A, 493 (Cœlogenys).
Bronn, H. G. 1849 A, 715 (Osteopera platycephala).
Cuvier, G. 1825 A, v, 1, 21, 37, pl. i ("paca").
Hagmann, G. 1907 A, 479, pl. xxv (Cœlogenys).
Krumbach, T. 1904 A, 278, fig. 7 (Cœlogenys).
Miller, G. S. 1924 C, 445 (C. paca nelsoni).
Weber, M. 1904 A, 54, fig. 41 (Cœlogenys).

Recent; Mexico to South America. It is probable that this species has not been found fossil in North America.

CAVIIDÆ.

Inasmuch as *Hydrochœrus* is often referred to this family, the following citations of the literature are made.

Hay, O. P. 1902 A, 734.
Adloff, P. 1904 A, 141 (Cavia).
1913 A, 238 ("meerschweinchen").
Alezais, H. 1901 A, 126, 270, figs. 23-42 (Cavia).
Ameghino, F. 1889 A, 1008 (Cavidæ).
1893 B, 444.
Arldt, T. 1907 C, 676.
Beddard, F. E. 1902 A, 491.
Bonaparte, C. L. 1832 A, 290 (Subungulata, Cavidæ).
Burmeister, H. 1879 B, 259 (Caviadæ).
Cockerell and Miller 1914 A, 373, figs. 118-124.
Doran, A. H. G. 1878 A, 416.
Erdl, M. 1843 A (Cavia).
Foote, J. S. 1916 A, 92, pl. ix (Cavia).
Freund, P. 1892 A, 547 (Cavia).
Giebel, C. G. 1865 C, 431 ("caviinen").
1883 A ("caviinen").
Gill, T. 1885 B, 21 (Caviidæ, Hydrochœridæ).
Gray, J. E. 1821 A, 304 (Caviadæ).
Höfer, H. 1911 A, 463.
Hogben, L. T. 1919 A, 73.
Leuckart, F. S. 1835 A, 167 (Cavia).

Lobley, J. L. 1908 A, 205.
Löhle, B. 1913 A, 595 (Cavia).
Meckel, J. F. 1825 A ("cavien").
Miller and Gidley 1918 A, 448.
Miram, E. 1841 A, 542 ("meerschweinchen").
Preller, W. 1907 A, 378 ("caviiden").
Rehs, J. 1914 A, 69.
Retterer, E. 1884 A, 483 ("cochon d'Inde").
Schlosser, M. 1902 I, 708.
Scott, W. B. 1905 B, 492.
Sinclair, W. J. 1905 D, 460, 492.
Thomas, O. 1916 A, 301.
Tims, H. W. M. 1901 A, 261.
Toldt, C. 1905 A, 330, figs. (Cavia).
Tourneux, F. and J. P. 1912 A, 81, fig. 11 ("cobaye").
Trouessart, E. L. 1904 A, 524.
Wallace, A. R. 1876 A, II, 241.
Waterhouse, G. R. 1839 B, 61.
1839 C, 174.
1839 D, 91.
1842 A, 199.
Winge, H. 1888 A, 156.
Zittel and Schlosser 1911 A, 432 (Caviinæ).
1923 A, 516 (Caviinæ).

HYDROCHŒRIDÆ Gill.

Gill, T. 1872 A, 304.
Coues, E. 1883 A, 82.
Gill, T. 1872 B, 22.
Miller and Gidley 1918 A, 448.
Wagner, A. 1841 A, 128 (Subungulata, in part).
Weber and Abel 1928 A, 290 (Hydrochœrinæ).

HYDROCHŒRUS Brisson. Type *Sus hydrochœris* Linnæus.

Hay, O. P. 1902 A, 731.
Abel, O. 1912 F, 548, fig. 424.
1914 A, 200, fig. 158.
Altmann, F. 1925 A, 108.
Ameghino, F. 1883 B, 70.
1885 A, 44, 150, 177, 204.
1889 A, 1015.
1897 B, 263.
1902 C, 244, pl. iii, figs. 14, 15.
1912 B, 179.
Anderson, R. J. 1902 A, 1022, fig. 18.
1903 A, 651 ("capybara").
1905 A, 326, fig. 17 ("capybara").
1908 A, 547 ("capybara").
Anthony, R. 1912 A.
Arldt, T. 1907 B, 451.
Bayer, F. 1897 A, 147.
Beddard, F. E. 1899 A, 798, figs. 1-5.
1902 A, 492.
Berthold, A. A. 1825 A, 910, 983, pl. viii, fig. 5.
Boas, J. E. V. 1909 A, 536.
Böcking, A. 1865 A, 32.
Boule and Thevenin 1920 A, 227.
Burlet, H. M. 1917 A, 381.
Cope, E. D. 1880 U, 158.
Coues, E. 1883 A, 82.
Cuvier, F. 1825 A, 141, pl. xlvi ("capybara").
Doran, A. H. G. 1878 A, 417, pl. lx.
Erdl, M. 1843 A, 529, 544.
Fischer, E. 1903 A, 704.
Fischer, J. B. 1829 A, 378.
Flower, W. H. 1884 A, 252.
Foote, J. S. 1916 A, 102, pl. x.
Frech and Geinitz 1903 A, 34.
Gervais, P. 1855 A, 12, pl. xiii, fig. 3.
Giebel, C. G. 1855 A, 58, pl. xxiv, fig. 10.
1883 A, pl. xxiv.
Hasse and Schwarck 1870 A, 111, figs. 35-37.
Hay, O. P. 1919 D, 364.
1927 C, 281 ("capybaras").
Heilprin, A. 1887 A, 361, 365.
Höfer, H. 1911 A, 465, pl. xxii, figs. 39, 40.
Hogben, L. T. 1919 A, 73, 77.
Kampfen, P. N. 1905 A, 556.
Kingsley, J. S 1925 A, 209, fig. 221.
Köstlin, O. 1844 A.
Kraglievich, L. 1926 C, 68.
Kükenthal, W. 1891 C, 373, 384.
Leche, W. 1887 A.
Leunis and Ludwig 1883 A, 227.
Lilljeborg, W. 1866 A, 56.
Matthew, W. D. 1910 G, 159.
Owen, R. 1845 B, 400, pl. cv, fig. 17.
1858 A, 22 ("capybara").
1866 B, 369, fig. 234.
1868 A, 885, fig. 235.
Palmer, T. S. 1904 A, 334, 844.
Pander and Alton 1823 B, 6, pl. viii.
Paulli, S. 1900 B, 520, figs. 31, 32.
Perna, G. 1906 A, 122, 139, pl.
Preller, W. 1907 A, 377, pls. ix-xiv.
Rehs, J. 1914 A, 92.
Reynolds, S. H. 1897 A, 437, 454, 476, 511, 526.
Schapiro, B. 1913 A, 219.
Scott, W. B. 1905 B, 495.
1913 A, 205 (Hydrochœrus).
Sellards, E. H. 1916 B, 617.
Taschenberg, O. 1899 A, 4594.
Terra, P. 1911 A, 299, fig. 121.
Tims, H. W. M. 1901 A, 285.
Tornier, G. 1891 A, 177.
1910 A, 558.
Trouessart, E. L. 1904 A, 529.
Van den Broeck, A. J. P. 1912 A, 782.
Virchow, H. 1910 E, 253.
1913 A, 53.
Wagner, A. 1841 A, 128.
Wallace, A. R. 1876 A, I, 130.
Waterhouse, G. R. 1839 B, 61.
1839 D, 597.
Weber, M. 1904 A, 506 (Hydrochœrus); 44, 66, 178, text-figs. 37, 38, 52, 138 (H. capybara).
Weber and Abel 1928 A, 255, 257, 290.
Weber and Burlet 1927 A, 60, figs. 40, 41, 64, 193.
Winge, H. 1888 A, 69, 109, 133, 156.
1924 A, 68, 77.
Zietzschmann, O. 1917 A, 446.
Zittel and Schlosser 1911 A, 432.
1923 A, 507, 516, fig. 629.

Hydrochœrus æsopi Leidy.

Hay, O. P. 1902 A, 734.
Allen, G. M. 1926 A, 449.
Hay, O. P. 1923 A, 363.

Holmes, F. S. 1860 A, iv ("capybara").
Leidy, J. 1886 D, 276.
Pleistocene (Early); South Carolina.

Hydrochœrus holmesi Simpson.

Simpson, G. G. 1928 H, 2, 7, figs. 2, 3.
Pleistocene (Early); Florida.

Hydrochœrus robustus Leidy.

Leidy, J. 1886 D, 275, fig. 1.
Hay, O. P. 1902 A, 734 (By error given as Leidy, J. 1888 B).
1923 A, 382.
This species may belong to *Neochœrus*.
Pleistocene; Nicaragua.

Hydrochœrus sp. indet.

Sellards, E. H. 1915 D, 114, fig. 50 ("capybara"). Pleistocene (Early); Florida.
1916 C, 151, 158 ("Hydrochœrus"). Pleistocene (Early); Florida.
1916 D, 617 (H. sp.). Pleistocene (Early); Florida.
1916 E, 16 (H. sp.). Pleistocene (Early); Florida.
1916 F, 9 (H. sp.). Pleistocene (Early); Florida.

NEOCHŒRUS Hay. Type *Hydrochœrus pinckneyi* Hay.

Hay, O. P. 1926 C, 6.
1926 E, 388 ("capybaras")
Simpson, G. G. 1928 H, 8.

Neochœrus pinckneyi (Hay).

Hay, O. P. 1923 A, 365, fig. 18 (Hydrochœrus).
Allen, G. M. 1926 A, 448 (Hydrochœrus; syn. of H. æsopi?).
Hay, O. P. 1923 B, 103, pl. vii, figs. 3-6 (Hydrochœrus).
1926 C, 5, pl. i, fig. 2; pl. vi, fig. 2; pl. vii, fig. 2.
1927 C, 281 ("capybaras").
1927 D, 287.
1928 C, 426.
Simpson, G. G. 1928 H, 8 (Hydrochœrus).
Pleistocene (Early); South Carolina, Texas.

Order PRIMATES Linnæus

Linnæus, C. 1758 A, 20.
Hay, O. P. 1902 A, 785.
Abel, O. 1913 B, 755a.
1919 A, 869.
1920 A, 453.
Adloff, P. 1901 B, 219 ("menschen").
1901 C, 420 ("menschen").
1903 A, 362 ("primaten").
1906 A, 106 ("menschen").
1907 B, 530 ("menschen").
1908 A ("primaten").
1908 B, 113 ("menschenaffen").
1909 A, 444 ("primaten").
1909 B, 828 ("menschen").
1910 B, 277 ("primaten").
1911 A, 505 ("primaten").
1912 A ("primaten").
1913 D, 869 ("primaten").
1915 A, 436 ("primaten").
1917 B, 352 ("mensch").
1920 A, 177 ("menschen").
1922 C, 293 ("primates").
Agassiz, L. 1844 C, 255 ("quadrumanes").
1844 D, 137 (Quadrumana).
Ahrens, H. 1913 B, 110 ("primaten").
Aichel, O. 1917 A, 98 ("primaten").
1918 A, 502 ("menschen").
Airey, L. B. 1919 A, 59, figs. 1, 2 ("man").
Allen, J. A. 1913 B, 110 ("primaten").
Altmann, F. 1925 A, 85 ("menschen").
Ameghino, F. 1902 D, 430.
1904 B, 74 ("primatos").
Anderson, R. J. 1903 A, 651.
1904 A, 147.
1910 A, 112.
1911 A, 639.
1912 C, 429.
1912 E, 907.
1913 A, 123.
Andrews, C. W. 1916 D, 548.
Anthony, R. 1903 A, 131 ("primates").
1905 A, 855.
1912 A.
1913 A, 257.
Appleton, A. B. 1922 A, 295.
Arldt, T. 1907 A, 237, 243.
1907 B, 448 ("primaten").
1907 D, 675.
1907 E, 209 ("primaten").
1912 A, 686.
1913 A, 82-96 ("primäten").
Bardeen, C. R. 1905 A, 163 ("man").
1905 B, 265 ("man").
Bardeleben, K. 1885 C, 160 ("menschen").
1889 A, 107 ("primaten").
1893 A, 163 ("menschen").
1904 A, 111 ("primaten").
1905 C, 158 ("primaten").
1909 A, 2 ("menschen", "affen").
Barrell, J. 1917 A, 16-26.
Bateson, W. 1892 A, 105.
Beddard, F. E. 1902 A, 533.
Bensley, B. A. 1902 A, 4 ("primates").
Berggłas, B. 1925 A, 127-148 ("menschen").
Bertelli, D. 1909 A, 182 ("primati").
Beyer, H. 1908 A, 78, 88 ("affen", "halbaffen").
1909 A, 18 ("menschen").
Black, D. 1925 A, 133-183, table 1.
Black, N. 1900 A, 20.
Bluntschli, H. 1911 A, 120.
1912 A, 489 ("primaten").
1912 B, 351, 353 ("primaten").
1913 A, 33 ("primaten").
Boas, J. E. V. 1884 B, 390 ("menschen", "affen").
1909 A, 536 ("primaten").
1914 B, 577 ("primaten").
Bolk, L. 1906 A, 103 ("primaten").

Bolk, L. 1909 A, 362.
1910 A ("primaten").
1910 B ("primaten").
1910 C, 525.
1913 A ("primaten").
1914 A ("primaten").
1915 A ("primaten").
1915 B, 611 ("primaten").
1921 A, 335 ("menschen").
1921 B, 138, 161.
1921 C, 219.
1922 A, 119.
1923 A, 16.
1923 B, 373.
Bonaparte, C. L. 1832 A, 283.
1833 A, 1042.
Bonsdorff, E. J. 1871 A, 303 ("menschen").
Boule, M. 1923 A, 499.
Broom, R. 1897 B, 252.
1911 C, 319.
1914 F, 296.
1915 A, 162.
Brown, A. E. 1901 A, 119.
Burnett, G. T. 1828 A, 301 (Manupeda or Quadrumana).
Callender, G. 1868 A, 447 ("human").
Capitan, L. 1901 A ("l'homme").
Carus, V. 1875 A, 66.
Case, E. C. 1899 B, 183.
Caush, D. E. 1904 A, 157.
Chalikiopoulos, L. 1905 A, 647 ("man", "monkeys").
Chandler, A. C. 1914 B, 139 ("primates").
Cleland, J. 1863 B, 296 (Quadrumana).
Cohen, T. E. 1918 A, 33 ("menschen").
Cope, E. D. 1874 N, 79, 90 ("lemurs", "monkeys", "man").
Corner, E. M. 1896 A, 386 ("monkeys").
Coues, E. 1870 A ("man").
Cuvier, F. 1825 A, 7, pl. i ("quadrumanes").
Deinse, A. B. 1914 A, 289.
Depéret, C. 1904 B, 43.
1912 A, 710.
Dieulafé and Herpin 1906 A, 242 ("homme").
Dijkstra, O. H. 1923 A, 297-318, figs. 1-11 (Homo).
Doran, A. H. G. 1878 A, 372 ("man", "monkeys").
Dublin, L. I. 1903 A, 732.
Duckworth, W. L. H. 1904 A, 28.
Earle, C. 1897 A, 569.
1897 B, 309 ("apes").
Eastman, C. R. 1917 B, 656 ("primates").
Eastman, Gregory and Matthew 1917 A, 120.
Ebner, V. 1906 A ("manschen").
Eggeling, H. 1904 A, 99 ("quadrumanen").
1922 A, 33.
Eimer, G. H. T. 1901 A, 256 ("affen").
Eisler, P. 1895 A ("primaten").
Elliot, S. G. 1921 A, 185.
Eternod, A. C. F. 1895 A ("l'homme").
1900 A, 174 ("l'homme").
1911 A, 144.
Fawcett, E. 1910 A ("human").
1911 A, 378, figs. 1-23, 24 ("man").
Fejéváry, G. J. 1925 A, 178 ("primaten").
Fischer, E. 1903 A ("affen").
1905 B, 400 ("apes, man").
Fischer, G. 1909 A, pls. li-lxiv; text-figs. 1-27.
Fischer, J. B. 1829 A, 1.
Fischer, P. 1902 A, 410 ("primaten").
Fleischmann, A. 1904 A, 483.
Frassetto, F. 1903 A, 161, 189, 195, 215.
Frets, G. P. 1909 A, 107 ("primaten").
1912 A, 409, figs. 1-10, 26-50 ("primaten").
1913 A, 557 ("primaten").
Freudenberg, W. 1923 A, 122 (Homo, "menschaffen").
Freund, L. 1902 A.
Frey, H. 1911 A, 422.
Fuchs, H. L. 1909 B, 142.
1914 A, 24 ("primaten").
Gaudry, A. 1902 B, 269 ("hommes", "singes").
Gaupp, E. 1910 D, 81 ("mensch").
Gegenbaur, C. 1864 C, 188 ("quadrumanen").
1880 A, 587 ("mensch").
Geoffroy St. Hilaire, E. F. 1812 A, 85 ("quadrumanes").
1824 H, 173 ("homme").
Gervais, P. 1852 A, 4.
1853 B, 40 ("singes").
1859 A, 6.
Gidley, J. W. 1919 A, 275.
1922 D, 269.
1923 A, 2, 15, 18.
Gottlieb, H. 1914 A, 190.
Gray, J. E. 1825 B, 337.
Gregory, W. K. 1912 C, 194.
1913 C, 248.
1914 F, 529.
1915 A, 419.
1915 B, 349.
1915 C, 383.
1916 A, 239, 248.
1916 B, 258, 266.
1917 A, 386.
1917 D, 635.
1920 A, 200, 246, 248.
1921 A, 49-243.
1922 A, 544.
1926 B, 415.
1927 A, 602 ("primates").
1927 F, 386, 395, fig.
1927 G, 271.
1927 I, 549.
1927 J, 443 ("primates").
Gregory and Camp 1918 A.
Gregory and Hellman 1926 A, 9.
Gruber, W. 1873 A, 338 ("menschen", Simiæ).
Haeckel, E. 1873 A, 568, 570.
1908 A.
Hanson, F. B. 1920 A, 309 ("man").
Hasse, C. 1872 B, 542 ("menschen").
Hasse and Schwarck 1870 A, 21 ("menschen"); 79 (Quadrumana).
Hayek, H. 1926 A, 176 ("menschen").
Heilprin, A. 1887 A, 393.
Hensel, R. 1879 A, 555.
Hill, J. P. 1920 A, 476.
Hoernes, R. 1886 A, 703.
Hoever, R. 1911 A, 81 ("menschen").
Holl, M. 1882 A, 181 ("menschen").
Hommes, J. H. 1924 A, 39.
Hrdlička, A. 1903 A ("man," "monkeys").
1920 A, 460.
1921 A, 141-176 ("human").

Hrdlička, A. 1924 A.
Hubrecht, A. A. W. 1897 A, 1-41.
1908 A, 150.
Huene, F. 1912 F, 522 ("primaten").
Huxley, T. H. 1863 E, 554, 555, 607, 633.
1863 F, 190 ("man").
1864 D, i, ii.
1868 C, 318.
1869 G, 449, fig. 6 ("human").
1880 E, 459.
Kaempfert, W. 1927 A, 8.
Keith, A. 1902 A, 18.
Kjellberg, K. 1904 A, 159 ("mensch").
Klaatsch, H. 1901 B.
1913 A, 161 ("primates").
Köstlin, O. 1844 A ("affen").
Kükenthal, W. 1913 A, 684.
Kunstler and Chaine 1906 A, 99.
Laloy, L. 1907 A, 584 ("primates").
Lavocat, A. 1885 A, 51 ("quadrumanes").
Lazarus, S. P. 1896 A, 1 ("primaten").
Leboucq, H. 1884 A, 66 ("singes").
1904 C, 227 ("homme").
Leche, W. 1887 A.
1900 A, 1035.
1912 A.
1915 B, 526 ("primaten").
Le Damany, P. 1906 B, 164.
Ledouble, A. F. 1903 A, 646.
Loomis, F. B. 1911 C, 479.
1921 A, 191.
Lubosch, W. 1906 B, 322 ("menschen").
1911 A, 329 ("primaten").
Lull, R. S. 1906 B, 563.
1917 B, 338, 642, 721.
Lydekker, R. 1903 D, 125.
MacBride, E. W. 1920 A, 497.
Magitot, E. 1875 A ("hommes," "singes").
Major, C. J. F. 1872 A, 153 (Quadrumana).
1899 B, 62.
1901 A, 129 ("monkeys").
Manners-Smith, T. 1908 A, 397.
Martins, C. 1857 A ("quadrumanes").
1872 A, 307.
Matthew, W. D. 1901 B, 374.
1909 C, 92, 93, 95, 98, 100.
1909 D, 298, 308, 333, 549.
1912 E, 254.
1915 A, 274, figs. 7, 8.
1915 F, 433.
1915 K, 439, 442.
1916 I, 108 ("primates").
1921 D, 214.
1923 C, 410.
1928 B, 948, 965, 975.
Mead, C. S. 1906 A, 482.
Meckel, J. F. 1825 A ("affen").
Merriam, J. C. 1910 D, 601 ("primates").
Miller, G. S. 1912 B, 379.
1920 A, 213-245, 3 figs.
Mitchell, P. C. 1920 A, 497.
Mivart, St. G. 1874 B, 9.
Mochi, A. 1908 A, 182.
Mollison, T. 1910 A ("primaten").
1924 A, 701 ("primaten").
Moreau, L. 1914 A, 83.
Morton, D. J. 1924 A, 1-52, figs. 1-25.
Müller, F. 1911 A, 535 ("primaten").
Nowikoff, M. M. 1909 A, 1 ("mensch").
Oken, L. 1823 A, 278-284 ("menschen", "affen", "lemur").
Oppenheim, S. 1911 A, 1 ("primaten").
Osborn, H. F. 1901 D, 623 ("primates").
1902 E, 356, fig. 1.
1905 I, 99.
1905 N, 241.
1907 G, 14, 48, 56, 101, 157.
1909 D, 134.
1910 D, 737.
1916 B, 543.
1917 B, 319.
1922 D, 721.
1922 E, 283.
1924 K, 275 ("primates").
1925 B, 18.
Ossenkopp, G. J. 1925 A, 463-507.
Owen, R. 1848 B, 132, fig. 25 ("man").
1855 E, 26 (Quadrumana, Bimana).
1857 E (Bimana, Quadrumana).
1858 A, 32 (Quadrumana, Bimana).
1868 A, 904 (Quadrumana).
Palacký, J. 1899 A, 1 ("affen").
Pander and Alton 1824 B, 1 ("vierhänder").
Parker and Haswell 1897 A, 520.
Paterson, A. M. 1901 A, 21 ("man").
Paulli, S. 1899 A, 169 ("primaten").
Perna, G. 1906 A, 122 ("affen," "mensch").
Perrier, E. 1920 A, 372.
Pia, J. 1916 A, 128 ("primaten").
Pilgrim, G. E. 1915 A, 1-74, pls. i-iv.
Pinkus, F. 1904 A, 122 ("mensch").
Pocock, R. I. 1918 A, 51.
1920 A, 494.
Puccioni, N. 1908 A, 41.
Remane, A. 1922 A.
Retterer, E. 1884 A, 503, 531 ("singes").
Retterer and Valois 1912 A, 379 ("primates").
1912 C, 432 ("l'homme").
Reynolds, S. H. 1897 A, 551.
Röse, C. 1892 F, 395 ("menschen").
Rosenberg, E. 1895 A.
Ruge, G. 1892 A, 184 ("primaten").
1892 B, 377 ("mensch," "affen").
Scharff, R. F. 1911 A, 230.
Schlosser, M. 1898 B, 361.
1900 B, 301.
1900 C, 133 ("menschen," "affen").
1901 K, 467.
1902 J, 229.
1905 A, 324 ("primaten").
1907 C, 197.
1911 A, 143.
1921 A, 100.
Schorr, G. 1907 A, 25 ("menschen").
Schwalbe, G. 1904 B ("primaten").
1910 A ("primaten").
Schwarz, E. 1924 A, 419.
Scott, W. B. 1896 C, 308.
1913 A, 281, 577.
Seeley, H. G. 1878 A, 226 ("lemurs," "apes").
Sera, G. L. 1921 A, 47 ("primati").
Shaw, D. M. 1917 A, 97 ("men").
Smith, G. E. 1907 A, 163.
1907 B, 7.
1913 A, 562.
1920 A, 465.

Standing, H. F. 1907 A, 59.
1907 B, 55.
Stehlin, H. G. 1912 A, 1290 ("primaten").
1916 B ("primaten").
Steinmann, G. 1909 A, 81 ("primaten").
Stratz-Hoag, C. H. 1906 A, 90 ("menschen," "affen").
Strecker, C. 1887 A, 319 ("quadrumanen").
Stromer, E. 1902 B, 561 ("primaten").
1912 A, 188, 244.
Sutton, J. B. 1884 A, 567, 568, text-figs. 1-3 ("man").
Taschenberg, O. 1899 A, 4449.
Terra, P. 1911 A, 348.
Thacker, A. G. 1914 A, 283.
1922 A, 594.
Thompson, A. H. 1900 A, 924 ("primates")
Tims, H. W. M. 1903 A, 145.
Todd, T. W. 1922 A, 271.
Toldt, C. 1904 A, 43 ("menschen," "affen").
Tornier, G. 1889 A, 175 ("affen").
1891 A, 125.
1894 A, 97 ("anthropomorphen").
Tredgold, A. F. 1897 A, 288.
Underhill, B. M. 1910 A, 76, 85.
Underwood, A. S. 1910 A, 354, figs. 1-14 ("man," "apes").
Vallois, H. V. 1921 B, 975.
Van den Broeck, A. J. P. 1911 A, 163 ("primaten").
1911 B, 185 ("primaten").
1912 A, 781.
1914 A, 1 ("primaten").
Vicq-d'Azyr, F. 1792 A, xcv, 1, 265 ("singes").
Vriese, B. 1908 A, 163 ("menschen").
Wagner, R. 1843 A, 12 (Quadrumana).
Walkhoff, O. 1901 A, 582 ("primaten").
Wallace, A. R. 1876 A, I, 500; II, 170-180.
Wallisch, W. 1906 A, 303 ("mensch").
Walmsley, T. 1918 A, 327.
Weber, M. 1904 A, 740 (Primates); 774 (Quadrumana).
Weber and Abel 1928 A, 714.
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Weidenreich, F. 1913 A, 497 ("primaten").
1922 B, 55.
Weinberg, R. 1926 A, 137, pls. vi, vii, figs. 1-4 (Homo).
Westrienen, A. F. A. S. 1906 A, 1 ("primaten").
Whitehead and Waddell 1911 A, 103 ("human").
Wiedersheim, R. 1892 A, 61 ("primaten").
Wilder, B. G. 1867 A, 44 ("man").
Windle and Humphreys 1887 A, 688 ("man").
Winge, H. 1924 A, 250.
Woodward, A. S. 1898 B, 403.
1898 D, 336.
Woodward, H. 1904 B, 163.
Worthmann, F. 1922 A, 307, fig. 2 ("menschen," affen").
Wortman, J. L. 1901 C, 209.
1902 A, XIII, 45.
1903 A, XV, 163, 399, 419, 430.
1921 A, 181.
Wright, R. R. 1883 A, 480.
Zaaijer, T. 1894 A, 337, figs. 1, 2 ("menschen").
Zietzschmann, O. 1917 A, 434 ("primaten").
Zittel and Schlosser 1911 A, 544.
1923 A, 637, 650.
Zondek, M. 1895 A, 503 ("mensch").

Suborder LEMURIFORMES Gregory.

Gregory, W. K. 1915 A, 426, 432 (As "series" under Lemuroidea).
Unless otherwise indicated the authors, as quoted, use for this group the name Prosimiæ.
Hay, O. P. 1902 A, 786.
Abel, O. 1908 C, (36) (Lemuroidea).
1912 F, 294.
1913 B, 755a (Lemuroidea).
1914 A, 254 (Lemuroidea).
1920 A, 453 (Lemuroidea).
Adloff, P. 1906 A, 108 ("lemuriden").
Ameghino, F. 1889 A, 1023 (Prosimia).
1901 A, 355.
1906 A, 289, 421 ("prosimiens").
Appleton, A. B. 1922 A, 301.
Arldt, T. 1907 D, 676.
1907 E, 208 ("halbaffen").
Bardeleben, K. 1885 B, 85 ("halb-affen").
1904 A, 113 ("halbaffen").
Bardenfleth, K. S. 1913 A, 84 (Lemuroidea).
Beddard, F. E. 1902 A, 534 (Lemuroidea).
Beyer, H. 1908 A, 88 ("halbaffen").
Black, D. 1925 A, 141.
Bluntschli, H. 1911 A, 121 ("prosimier").
1911 B, 353 ("halbaffen").
1912 B, 353 ("lemurinen").
1913 A, 38.
Boas, J. E. V. 1909 A, 536 ("prosimier").
1914 B, 577, 598.
Bolk, L. 1922 A, 118.
1923 B, 372, fig. 2 (Lemur).
Bonaparte, C. L. 1833 A, 1042 (Lemures).
Brown, A. E. 1901 A, 125 (Lemuroidea).
Burnett, G. T. 1828 A, 307 (Lemuridæ).
Carlsson, A. 1922 A, 233, 236.
Carter, J. T. 1922 A, 601 (Lemuroidea, Lemuriformes).
Carus, V. 1875 A, 113 (Prosimii).
Carus and Engelmann 1861 A, 1303, 1687, 1793 (Quadrumana, in part).
Chardin, T. 1922 A, 106 ("lémuroïdes").
Clark, W. E. L. 1924 A, 564.
Clark and Sonntag 1926 A, 461. (Prosimiæ).
Cope, E. D. 1880 U, 152 (Mesodonta).
1885 EE, 609 (Lemuroidea).
Cunningham, J. T. 1920 A, 496 ("lemurs").
Duckworth, W. L. H. 1904 A, 34 (Lemuroidea).
Earle, C. 1897 A, 570 ("lemurs"); 571, 681 (Lemuroidea).
1897 B, 309, 311 (Lemuroidea).
Eggeling, H. 1922 A, 33 ("halbaffen").
Elliot, S. G. 1921 A, 185.
Geoffroy St. Hilaire, E. F. 1912 A, 156 (Strepsirrhini).
Gidley, J. W. 1922 A, 269 (Lemuroidea).
Giebel, C. G. 1855 A, 6.
1883 A ("halbaffen").
Gill, T. 1872 A, 786.
1872 B, 50, 54.

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Gregory, W. K. 1914 B, 141 (Lemuroidea).
1914 F, 529 (Lemuroidea).
1915 A, 426, 432 (Lemuroidea, Lemuriformes).
1916 B, 261, 266 (Lemuroidea, Lemuriformes).
1920 A, 200 (Lemuroidea).
1921 A, 58, 59, 183, 232 (Lemuroidea).
1922 A, 114, 115 (Lemuroidea).
1927 I, 549 ("lemurs").
Haacke, W. 1886 A, 367 ("lemuroiden").
Haeckel, E. 1873 A, 544, 589.
1908 A.
Heilprin, A. 1887 A, 393 (Lemuroidea).
Henckel, K. O. 1927 A, 365, 382 (Lemuroidea).
Hill, J. P. 1920 A, 478 ("lemuroids").
Hoernes, R. 1886 A, 702.
Hogben, L. T. 1919 A, 76.
Hrdlička, A. 1920 A, 462 ("lemurs").
Hubrecht, A. A. W. 1897 A, 9 (Prosimiæ).
1908 A, 161 (Lemuroidea).
Huxley, T. H. 1880 E, 459 (Lemuroidea).
Kampfen, P. N. 1905 A, 329, 654.
Kaudern, W. 1910 A, 561 ("halbaffen").
Klaatsch, H. 1913 A, 163 ("prosimier").
Köstlin, A. 1844 A ("halbaffen").
Kohlbrugge, J. H. F. 1902 A, 318 ("halbaffen").
Kükenthal, W. 1913 A, 684.
Laloy, L. 1907 A, 588 ("lemuriens").
Leche, W. 1887 A, 1024 (Prosimiæ).
Leunis and Ludwig 1883 A, 164 (Prosimii).
Lubosch, W. 1911 A, 329 ("prosimier").
Lull, R. S. 1917 B, 643 (Lemuroidæ).
Lydekker, R. 1903 D, 124 (Lemuroidea).
MacBride, E. W. 1920 A, 497 ("lemurs").
Major, C. J. F. 1901 A, 163 ("prosimier").
Manners-Smith, T. 1908 A, 413 (Lemuroidea).
Matschie, P. 1896 A, 249 ("halbaffen").
Matthew, W. D. 1909 D, 298, 308 (Lemuroidea).
1912 E, 255 ("lemuroids").
1915 A, 215 (Lemuroidea).
1915 K, 442 (Lemuroidea).
Mitchell, P. C. 1905 A, 503.
1920 A, 497 ("lemurs").
Mivart, St. G. 1874 B, 9 (Lemuroidea).
Osborn, H. F. 1898 U, 686 (Lemuroidea).
1907 G, 14, 157 (Lemuroidea).
1925 B, 18 (Lemuroidea).
Paulli, S. 1900 B, 521, 541.
Perrier, E. 1920 A, 372 ("lemuriens").
Pia, J. 1916 A, 128 ("prosimier").
Pocock, R. I. 1916 G, 548 ("lemuroids").
1918 A, 51, 53 (Lemuroidea).
1920 A, 494 ("lemurs").
Retterer and Vallois 1912 A, 379 ("lemuriens").
Reynolds, S. H. 1897 A, 545 (Lemuroidea).
Ruge, G. 1892 A, 185 ("halbaffen").
Scharff, R. F. 1911 A, 364 ("lemuroids").
Schlosser, M. 1898 B, 360 (Lemuroidea).
1899 L, 356 ("halbaffen").
1902 I, 738.
1902 J, 133.
1905 A, 326, 328 (Lemuroidea).
1921 A, 103 (Lemuriformes).
Schmidt, O. 1886 A, 294.
Schwalbe, G. 1904 A, 219 ("prosimier").
1904 B ("halbaffen").
Scott, W. B. 1913 A, 578, 684 (Lemuroidea).
Seeley, H. G. 1886 A, 414 (Prosimiæ).
Smith, G. E. 1907 A, 175, 176.
1907 B, 7 (Lemuroidea).
1920 A, 466 (Lemuroidea).
Standing, H. F. 1907 A, 161.
1907 B, 55 ("lemurs").
Steinmann, G. 1907 A, 504.
Storr, G. C. C. 1780, Prod. Meth. Mamm., 32 (Prosimiæ).
Stromer, E. 1902 B, 555, 561 ("prosimier").
Taschenberg, O. 1899 A, 4448 (Prosimiæ).
Terra, P. 1911 A, 345 (Prosimiæ).
Thacker, A. G. 1922 A, 603 (Lemuroidea).
Toldt, C. 1905 A, 335 ("halbaffen").
Tornier, G. 1894 B, 104 ("halbaffen").
Tredgold, A. F. 1897 A, 289 (Lemuroidæ).
Trouessart, E. L. 1907 A, 125 ("lemuriens").
Van den Broeck, A. J. P. 1912 A, 783.
Wallace, A. R. 1876 A, II, 176 (Lemuroidea).
Weber, M. 1904 A, 757, 764 (Lemures); 762, 765 (Mesodonta).
Weber and Abel 1928 A, 716, 718, 733, 739, 888 (Lemuroidea).
Weber and Burlet 1927 A, xv (Lemuroidea).
Weidenreich, F. 1922 B, 61 ("prosimier").
Winge, H. 1924 A, 253 (Lemuroidei).
Wood-Jones, F. 1920 A, 491 (Lemuroidea).
Woodward, A. S. 1898 B, 403 (Lemuroidea).
1917 D, pl. lxviii (Lemuroidea).
Wright, R. R. 1883 A, 481 (Lemuroidea).
Zittel and Schlosser 1911 A, 544 (Lemuroidea).
1923 A, 638.

Superfamily LEMUROIDÆ, new name.

Abel, O. 1908 C (36) (Mesodonta).
Major, C. J. F. 1880 A, 42 ("lemuroiden").
Matthew, W. D. 1928 B, 960 ("lemuroid primates").
Osborn, H. F. 1902 C, 178 (Mesodonta).
1907 C, 613 (Mesodonta).
Ossenkopp, G. J. 1925 A, 468, 479 (Lemuroidea).
Schuchert and Levene 1927 A, 311 ("lemurs").
Schlosser, M. 1907 C, 222 (Mesodonta).
1921 A, 102.
Weber and Burlet 1927 A, xv (Lemuroidea).
Winge, H. 1924 A, 253 (Lemuridæ).
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1913 B, 755*b*.
Abel, O. 1914 A, 255.
Ameghino, F. 1889 A, 102, 893 (Adapisidæ).
1904 A, 110, 111 (Adapis).
1906 A, 291.

Beddard, F. E. 1902 A, 553 (Adapis).
Behlen, H. 1907 A, 269 (Adapis).
Black, D. 1925 A, 143.
Bluntschli, H. 1911 A, 121.
1912 B, 354 ("adapiden"); 370, fig. 13 (Adapis).
Bronn, H. G. 1849 A, 707 (Adapis).
Chapman, H. C. 1904 A, 149, 155.
Cope, E. D. 1880 U, 153 ("adapidées").
Cuvier, G. 1825 A, III, 265, pls. (Adapis).
Earle, C. 1897 A, 686 (Adapis).
Filhol, H. 1877 A, 87 (Adapis).
Gervais, P. 1859 A, 171 (Adapis).
Gidley, J. W. 1923 A, 20.
Granger and Gregory 1917 A, 842.
Gregory, W. K. 1913 C, 251 (Adapis).
1914 F, 529.
1915 A, 420, 432.
1915 C, 383.
1916 A, 253.
1916 B, 261, 266.
1917 D, 631.
1920 A, 202 (Adapis).
1921 A, 58, 62, 183.
1922 A, 531, figs. 66, 69, 71.
1927 I, 559 ("adapids").
Gregory and Hellman 1926 A, 12.
Heilprin, A. 1887 A, 348, 402 (Adapis).
Hubrecht, A. A. W. 1908 A, 160, 165.
Leche, W. 1900 A, 1025 (Adapis).
Lemoine, V. 1889 A, 236 (Adapis).
Loomis, F. B. 1906 A, 280.
Major, C. J. F. 1901 A, 134 (Adapis).
Matthew, W. D. 1909 D, 298.
1915 A, 216.
1915 F, 433.
1921 D, 214.
Neumayer, L. 1906 A, 100 (Adapis).
Osborn, H. F. 1902 D, 266, fig. 5 (Adapis).
Ossenkopp, G. J. 1925 A, 479.
Palacký, J. 1899 A, 2.
Palmer, T. S. 1904 A, 77, 890 (Adapis).
Pia, J. 1916 A, 129 ("adapiden").
Schlosser, M. 1887 B, 22.
1889 L, 357 (Adapis).
1905 A, 329.
1907 C, 222.
1911 A, 62 (Adapis).
1921 A, 107 ("adapiden").
Seeley, H. G. 1878 A, 226 (Adapis).
Stehlin, H. G. 1912 A, 1272 ("adapiden").
1916 B, 1386 ("adapiden").
Stromer, E. 1902 B, 555 (Adapis).
Thacker, A. G. 1922 A, 604.
Trouessart, E. L. 1904 A, 43.
Weber and Abel 1928 A, 741.
Winge, H. 1924 A, 257, 259 (Adipini).
Woodward, A. S. 1898 B, 404, fig. 226 (Adapis).
Wortman, J. L. 1903 A, 412.
Zittel and Schlosser 1911 A, 545.
1923 A, 639, 666.

NOTHARCTINÆ Trouessart.

Unless otherwise indicated the authors, as quoted, use for this group the family name Notharctidæ.

Trouessart, E. L. 1904 A, 40.
Abel, O. 1908 C (36).
1913 B, 756.
1914 A, 255, 257.
1919 A, 875.
1922 C, 293.
Bluntschli, H. 1911 A, 121.
1912 B, 354.
Depéret, C. 1905 C, 703 ("notharctidés").
1908 A, 112.
Gidley, J. W. 1922 A, 269 ("notharctids").
1923 A, 8, 20, 24.
Granger and Gregory 1917 A, 842 (Notharctinæ).
Gregory, W. K. 1914 F, 529.
1915 A, 420 (Notharctidæ; 433 (Notharctinæ).
1915 C, 383 (Notharctidæ, Notharctinæ).
1921 A, 58 (Notharctidæ); 123, 134, 139, 149, 178, 184, 193, 208, 229 (Notharctinæ).
1922 A, 541.
Gregory and Hellman 1926 A, 12, 103.
Hilzheimer, M. 1913 A, 568.
Loomis, F. B. 1911 C, 482.
Matthew, W. D. 1909 C, 92, 95, 98, 100.
1909 D, 509.
1914 B, 387.
1917 C, 837.
Osborn, H. F. 1901 D, 623.
1902 C, 176, 190.
1902 E, 361.
1905 I, 101.
1909 D, 46, 52.
1910 B, 134, 161, 164, 543.
Ossenkopp, G. J. 1925 A, 482, 489, fig. 3.
Pia, J. 1916 A, 128 ("notharctier").
Schlosser, M. 1907 C, 222.
Scott, W. B. 1913 A, 578.
Stehlin, H. G. 1912 A, 1286 ("notharctiden").
1916 B, 1386, 1476, 1518, 1539 ("notharctiden").
Thacker, A. G. 1922 A, 604.
Todd, T. W. 1922 A, 276.
Weber, M. 1904 A, 763.
Weber and Abel 1928 A, 741.
Wortman, J. L. 1903 A, xv, 408.

PELYCODUS Cope. Type *Prototomus jarrovii* Cope.

Hay, O. P. 1902 A, 789.
Abel, O. 1913 B, 756.
1914 A, 257.
1922 C, 293.
Black, D. 1925 A, table.
Boule, M. 1923 A, 78.
Carter, J. T. 1922 A, 604, 607.
Chardin, T. 1922 A, 83.
Depéret, C. 1905 C, 704.
1912 A, 707.
Gidley, J. W. 1923 A, 8, 21.
Granger and Gregory 1917 A, 841.
Gregory, W. K. 1913 A, 117.
1913 C, 251.

Gregory, W. K. 1915 A, 420, 433.
1917 D, 630.
1920 A, 202.
1921 A, 57, 184.
1922 A, 116, 423, 513, 543, fig. 315.
Haug, E. 1911 A, 1528.
Loomis, F. B. 1906 A, 280, 281.
1911 C, 479.
Matthew, W. D. 1909 C, 100.
1909 D, 509.
1915 F, 434, 435.
1915 K, 472.
1918 H, 570.
1924 E, 749.
1928 B, 975.
Osborn, H. F. 1901 D, 623.
1902 C, 192.
1907 G, 157, figs. 127, 132.
1909 D, 133.
1910 B, 134, 543.
1912 G, 236, fig. 3.
Ossenkopp, G. J. 1925 A, 483.
Palmer, T. S. 1904 A, 521, 901.
Perrier, E. 1920 A, 273.
Pia, J. 1916 A, 128.
Rogers, A. F. 1924 A, 545.
Schlosser, M. 1911 A, 67.
1921 A, 103.
Scott, W. B. 1913 A, 580.
Seeley, H. G. 1886 A, 416.
Stehlin, H. G. 1912 A, 1288.
1916 B, 1319, 1430, 1434, 1518.
Trouessart, E. L. 1904 A, 40.
Weber, M. 1904 A, 508, 762, 763, 765.
Weber and Abel 1928 A, 741.
Wortman, J. L. 1903 A, xv, 409.
Zittel and Schlosser 1911 A, 546.
1923 A, 639, 666.

Pelycodus frugivorus Cope.

Hay, O. P. 1902 A, 789.
Abel, O. 1913 B, 755 b, figs. 110, 111.
1914 A, 258, figs. 233, 234.
1922 C, 293, figs. 246, 247.
Gidley, J. W. 1926 E, 41.
Granger and Gregory 1917 A, 841.
Gregory, W. K. 1915 C, 383.
1917 D, 631.
1921 A, 141, pl. xxxv.
1922 A, pl. vii.
Loomis, F. B. 1906 A, 281, 285, fig. 3.
1907 B, 356.
Matthew, W. D. 1909 C, 92.
1915 F, 436, 439, figs. 11-14.
Osborn, H. F. 1902 C, 191, 193, figs. 20, 21.
Ossenkopp, G. J. 1925 A, 483.
Reeside, J. B. 1924 A, 46.
Trouessart, E. L. 1904 A, 40.
Weber, M. 1904 A, 762, fig. 545.
Weber and Abel 1928 A, 741, fig. 523.
Zittel and Schlosser 1911 A, 546, fig. 740.
1923 A, 639, fig. 782.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Pelycodus jarrovii Cope.

Hay, O. P. 1902 A, 790.
Chardin, T. 1922 A, 98 (P. jarrowi).
Gregory, W. K. 1917 D, 631.
1921 A, 133, 137, pls. xxxv-xxxvii.
1922 A, pl. v.
Loomis, F. B. 1906 A, 282.
Matthew, W. D. 1909 C, 92.
1915 F, 436, 438, figs. 9, 10.
Osborn, H. F. 1902 C, 174, 193.
Ossenkopp, G. J. 1925 A, 483.
Reeside, J. B. 1924 A, 46.
Trouessart, E. L. 1904 A, 40 (P. jarrovi).
Lower Eocene (Wasatch); New Mexico.

Pelycodus ralstoni Matthew.

Matthew, W. D. 1915 F, 436, figs. 4-6.
Gidley, J. W. 1918 B, 59 (Polycodus).
Granger and Gregory 1917 A, 841.
Gregory, W. K. 1916 B, 263, fig. 2.
1917 D, 630, 631.
1921 A, 60, 134, 138, 141, 190, pls. xxxv-xxxvii; text-figs. 39, 71.
1922 A, pl. vii.
1927 I, 558.
Ossenkopp, G. J. 1925 A, 483.
Stehlin, H. G. 1916 B, 1519, 1544.
Lower Eocene (Wasatch); Wyoming.

Pelycodus trigonodus Matthew.

Matthew, W. D. 1915 F, 436, figs. 7, 8.
Granger and Gregory 1917 A, 841.
Gregory, W. K. 1916 A, 240, figs. 1, 10, 11.
1917 D, 631.
1918 A, 8, figs. 4-6, 9.
1921 A, 60, 133, 135, pls. xxxv-xxxviii, xl, xli.
1922 A, 120, 127, 129, pl. v; text-figs. 55, 61, 62.
Ossenkopp, G. J. 1925 A, 483.
Stehlin, H. G. 1916 B, 1477, 1544.
Lower Eocene (Wasatch); Wyoming.

Pelycodus tutus Cope.

Hay, O. P. 1902 A, 790.
Loomis, F. B. 1906 A, 281, 285, fig. 4.
1907 B, 356.
Matthew, W. D. 1909 C, 92.
1915 F, 436, 441, fig. 15.
Osborn, H. F. 1902 C, 174, 176, 194, fig. 4.
Ossenkopp, G. J. 1925 A, 483.
Reeside, J. B. 1924 A, 46.
Seeley, H. G. 1886 A, 416 (Tomitherium).
Trouessart, E. L. 1904 A, 40.
Lower Eocene (Wasatch); Wyoming, New Mexico.

Pelycodus sp. indet.

Matthew, W. D. 1909 C, 92, 95. Middle Eocene (Bridger and Wind River); Wyoming.

NOTHARCTUS Leidy. Type *N. tenebrosus* Leidy.

Hay, O. P. 1902 A, 788 (Tomitherium), 789 (Notharctus, Limnotherium), 793 (Hipposyus, Telmalestes).
Abel, O. 1913 B, 756.
1914 A, 257.
1922 C, 293.
Beddard, F. E. 1902 A, 552, 553 (Tomitherium).
Black, D. 1925 A, table.
Bolk, L. 1914 A, 132, fig. 41.
Carter, J. T. 1922 A, 604, 607.
Chapman, H. C. 1904, A, 150 (Notharctus, Limnotherium).
Chardin, T. 1922 A, 98.
Cope, E. D. 1872 OO, 2.
1872 PP, 2 (Tomitherium, type *T. rostratum;* Notharctus).
Delafontaine, M. 1875 A, 171 (Notharctos).
Depéret, C. 1912 A, 707.
Gidley, J. W. 1919 A, 274.
1923 A, 18, 25.
Granger, W. 1909 A, 22.
Granger and Gregory 1917 A, 841, 845 (Notharctus); 845 (Thinolestes, Tomitherium as syns.).
Gregory, W. K. 1913 A, 117.
1913 C, 250.
1914 A, 141.
1914 F, 529.
1915 A, 419, 421, 433 (Notharctus); 421, 433 (Telmalestes).
1916 A, 242, fig. 3.
1916 B, 262, 331.
1917 A, 845 (Hipposyus a syn.).
1917 D, 630.
1920 A, 200, fig. 180.
1921 A, 49-243, pls. xxvii, xxviii, liii, lvii; text-fig. 37.
1922 A, 133, 216, 217, 513, 519, fig. 351.
1927 A, 603 ("notharctids").
1927 G, 268, 271, fig. 1.
1927 I, 557, 559 ("notharctids").
Haug, E. 1911 A, 1528 (Notharctus, Telmatolestes).
Heilprin, A. 1887 A, 348 (Tomitherium); 403 (Limnotherium).
Loomis, F. B. 1905 C, 296.
1906 A, 280.
1911 C, 482.
Matthew, W. D. 1904 D, 814.
1906 B, 361.
1909 C, 95 (Telmatolestes); 100 (Telmalestes, Notharctus).
1915 F, 434, 441.
1924 E, 748.
1928 B, 965, 975 (Notharctus); 975 (Telmalestes).
Morton, D. J. 1924 A, 25.
Osborn, H. F. 1901 D, 623.
1902 C, 176, 191, 194, figs. 3, 20, 23 (Notharctus); 190 (Limnotherium).
1907 G, 89, 160, figs. 43, 128, 132, 133, 214.
1909 D, 46, 47.
1910 B, 625, fig. 61.
1912 G, 236, fig. 3.
1924 A, 175.
1925 C, 750.
Osborn, H. F. 1928 B, 193.
Ossenkopp, G. J. 1925 A, 483.
Palmer, T. S. 1904 A, 327, 901 (Hipposyus); 377, 901 (Limnotherium); 461, 901 (Notharctus); 667, 901 (Telmalestes); 674, 901 (Thinolestes); 682, 901 (Tomitherium).
Schlosser, M. 1898 D, 122 (Tomitherium).
1902 D, 302 (Tomitherium).
1911 A, 67.
1921 A, 107.
Schuchert and Levene 1927 A, 335, fig.
Scott, W. B. 1913 A, 579.
Stehlin, H. G. 1912 A, 1288.
1916 B, 1518.
Stromer, E. 1902 B, 555 (Tomitherium).
Thacker, A. G. 1922 A, 604.
Trouessart, E. L. 1904 A, 40.
Troxell, E. L. 1926 A, 423.
Wallace, A. R. 1876 A, I, 133 (Limnotherium).
Weber, M. 1904 A, 763.
Weber and Abel 1928 A, 741, 797, fig. 523.
Weber and Burlet 1927 A, 138.
Winge, H. 1924 A, 253, 259, 310.
Woodward, A. S. 1920 C, 465.
Wortman, J. L. 1901 C, 209.
1903 A, xv, 410 (Notharctus, Limnotherium).
Zittel and Schlosser 1911 A, 547.
1923 A, 639, 640, 647, 668.

Notharctus affinis (Marsh).

Hay, O. P. 1902 A, 788 (Tomitherium).
Granger and Gregory 1917 A, 850, pl. ciii, fig. 3; pl. cv, fig. 1.
Gregory, W. K. 1917 D, 631.
Matthew, W. D. 1909 C, 95.
Osborn, H. F. 1902 C, 172, 197 (Limnotherium = ? Notharctus).
Ossenkopp, G. J. 1925 A, 484.
Trouessart, E. L. 1904 A, 41.
Middle Eocene (Bridger); Wyoming.

Notharctus anceps (Marsh).

Hay, O. P. 1902 A, 794 (Thinolestes).
Granger and Gregory 1917 A, 849, pl. civ, fig. 3; pl. cvi, figs. 2, 2*a*.
Gregory, W. K. 1917 D, 631.
Matthew, W. D. 1909 C, 95.
Osborn, H. F. 1902 C, 172, 197.
Ossenkopp, G. J. 1925 A, 484.
Trouessart, E. L. 1904 A, 41.
Middle Eocene (Bridger); Wyoming.

Notharctus crassus (Marsh).

Hay, O. P. 1902 A, 793 (Telmalestes).
Granger and Gregory 1917 A, 841, 854; pl. ciii, fig. 9; pl. cv, fig. 6; pl. cvii, fig. 5.
Gregory, W. K. 1917 D, 630.
1921 A, 133, 152, 164, pls. xxxv-xxxvii, xxxix, xli, xlii, lix; text-figs. 38, 40, 42, 48, 62.
1922 A, 541, figs. 60, 61, 63, 66, 149.
Osborn, H. F. 1902 C, 172, 198.
Ossenkopp, G. J. 1925 A, 467, 485, figs. 1, 2.
Trouessart, E. L. 1904 A, 41.
Middle Eocene (Bridger); Wyoming.

Notharctus formosus (Leidy).

Hay, O. P. 1902 A, 793 (Hipposyus).
Gregory, W. K. 1916 B, 262, fig. 1.
1917 D, 631.
Merrill, G. P. 1907 A, 39 (Hipposyus).
Osborn, H. F. 1902 C, 172, 198 (To Notharctus?).
Trouessart, E. L. 1904 A, 41.
Zittel and Schlosser 1923 A, 640, fig. 783.
Middle Eocene (Bridger); Wyoming.

Notharctus matthewi Granger and Gregory.

Granger and Gregory 1917 A, 847, pl. ciii, fig. 1; pl. civ, fig. 1; pl. cvi, fig. 1.
Ossenkopp, G. J. 1925 A, 484.
Troxell, E. L. 1926 A, 428 (Syn. of N. gracilis).
Middle Eocene (Bridger); Wyoming.

Notharctus nunienum (Cope).

Cope, E. D. 1881 D, 187 (Pelycodus).
Hay, O. P. 1902 A, 789 (Pelycodus frugivorus, in part).
Abel, O. 1913 B, 755 *b*, fig. 111 (N. nunienus).
Bolk, L. 1914 A, 132, fig. 42 (P. nuniensus).
Granger and Gregory 1917 A, 845 (N. nunienus).
Gregory, W. K. 1917 D, 631 (N. nunienus).
1921 A, 14, 185, pls. xxxv, xxxvi (N. nunienus).
1922 A, pl. vii (N. nunienus).
Loomis, F. B. 1906 A, 282, 285, fig. 5 (P. nuniensis).
Matthew, W. D. 1909 C, 92 (N. nunienus).
1915 E, 442, 444, fig. 19 (N. nunienus).
Osborn, H. F. 1902 C, 175, 191, 194, fig. 20 (Pelycodus nunienus); 195, fig. 20 (Notharctus nunienus).
Ossenkopp, G. J. 1925 A, 483 (N. nunienus).
Stehlin, H. G. 1916 B, 1476 (Pelycodus).
Trouessart, E. L. 1904 A, 40 (N. nunienus).
Weber and Abel 1928 A, 741, fig. 523 (N. nunienus).
Lower Eocene (Wind River); Wyoming.

Notharctus osborni Granger and Gregory.

Granger and Gregory 1917 A, 848, pl. ciii, fig. 2; pl. civ, fig. 2.
Gregory, W. K. 1919 B, 423, fig. 6.
1921 A, 61, 77, 169, pls. xxiii, xxv, xxix, xxx-xxxii, xxxiv-xxxvii, xxxix, xlii, xliv, xlv, xlix, liii, liv, lvi; text-figs. 1, 6, 8, 10, 12, 15-17, 22, 23, 26, 27, 30, 35, 40, 42, 49, 54, 56, 58, 78, 83, 84.
Gregory and Hellman 1926 A, pl. xxv, fig. 1.
Ossenkopp, G. J. 1925 A, 484.
Troxell, E. L. 1922 A, 542, pl. vi, fig. 3; text-figs. 56, 57, 59, 67, 150.
1926 A, 428.
1927 F, 386, fig.
1927 I, 551, fig. 2.
Weber and Abel 1928 A, 740, fig. 522.
Middle Eocene (Bridger); Wyoming.

Notharctus pugnax Granger and Gregory.

Granger and Gregory 1917 A, 853, pl. ciii, fig. 8; pl. cv, fig. 4.
Gregory, W. K. 1917 D, 631.
1921 A, 98, 126, 133, 146, pls. xxxv, xxxvi, xlii; text-figs. 21, 32, 43.
Ossenkopp, G. J. 1925 A, 485.
Middle Eocene (Bridger); Wyoming.

Notharctus relictus (Gregory).

Gregory, W. K. 1917 D, 630, 631 (Pelycodus).
1921 A, 61, pls. xxxv, xxxvi, xl (N. matthewi).
Gregory and Granger 1917 A, 847, pl. ciii, fig. 1; pl. civ, fig. 1; pl. cvi, fig. 1 (N. matthewi).
Middle Eocene (Bridger); Wyoming.

Notharctus robustior (Leidy).

Hay, O. P. 1902 A, 793 (Hipposyus).
Cope, E. D. 1872 PP, 3.
Merrill, G. P. 1907 A, 39 (Hipposyus); 50 (Notharctus).
Osborn, H. F. 1902 C, 172.
Trouessart, E. L. 1904 A, 41.
Middle Eocene (Bridger); Wyoming.

Notharctus rostratus Cope.

Cope, E. D. 1872 PP, 2 (Tomitherium).
Hay, O. P. 1902 A, 788 (Tomitherium).
Gregory, W. K. 1914 F, 529.
1917 D, 631.
1921 A, 56 (Tomitherium).
Matthew, W. D. 1909 C, 95.
Osborn, H. F. 1902 C, 173, 197.
Trouessart, E. L. 1904 A, 41.
Middle Eocene (Bridger); Wyoming.

Notharctus tenebrosus Leidy.

Hay, O. P. 1902 A, 789.
Cope, E. D. 1872 PP, 3.
Granger and Gregory 1917 A, 851, pl. ciii, figs. 6, 7; pl. cv, figs. 2, 3.
Gregory, W. K. 1917 D, 631.
1921 A, 56, 77, 93, 94, 96, 156, pls. xxxvi, xlii, text-figs. 19, 51.
Matthew, W. D. 1909 C, 95.
Merrill, G. P. 1907 A, 50.
Osborn, H. F. 1902 C, 172, 196.
Ossenkopp, G. J. 1925 A, 484.
Trouessart, E. L. 1904 A, 41.
Wortman, J. L. 1901 C, 209.
Middle Eocene (Bridger); Wyoming.

Notharctus tyrannus (Marsh).

Hay, O. P. 1902 A, 789 (Limnotherium).
Cope, E. D. 1872 PP, 3.
Granger and Gregory 1917 A, 851, pl. cviii, fig. 4; pl. civ, fig. 6.
Gregory, W. K. 1917 D, 631.
1921 A, 80, 94, pl. xxiv, xxix, xxx, xxxiv, xlii, text-fig. 11.
1922 A, 133, figs. 64, 65.
1927 I, 555, fig. 7.
Matthew, W. D. 1909 C, 95.

Osborn, H. F. 1902 C, 172 (Limnotherium); 197 (Notharctus).
Ossenkopp, G. J. 1925 A, 484.
Trouessart, E. L. 1904 A, 41.
Troxell, E. L. 1926 A, 428.
Middle Eocene (Bridger); Wyoming.

Notharctus uintensis (Osborn).

Hay, O. P. 1902 A, 791 (Microsyops).
Granger and Gregory 1917 A, 856.
Gregory, W. K. 1922 A, 280 (This genus?).
Matthew, W. D. 1909 C, 98.
Osborn, H. F. 1902 C, 175, 202, fig. 27 ("Microsyops"?).
Ossenkopp, G. J. 1925 A, 485 (Notharctus); 494 (Omomys).
Schlosser, M. 1905 A, 334 (Omomys).
Trouessart, E. L. 1904 A, 40 (Anaptomorphus).
Wortman, J. L. 1904 A, 134 (Omomys).
Upper Eocene (Uinta); Utah; Middle (Bridger); Wyoming.

Notharctus venticolus Osborn.

Osborn, H. F. 1902 C, 175, 195.
Granger and Gregory 1917 A, 846.
Gregory, W. K. 1917 D, 631.
1921 A, 125, 133, 139, 147, 156, 199, pl. xxxv, xxxvi; text-figs. 31, 40, 45, 52, 74, 76.
1922 A, 123, fig. 58.
Loomis, F. B. 1906 A, 284.
Matthew, W. D. 1909 C, 92.
1915 F, 442 (Pelycodus); 443, figs. 16-18 (Notharctus).
Ossenkopp, G. J. 1925 A, 483.
Stehlin, H. G. 1916 B, 1544.
Trouessart, E. L. 1904 A, 41.
Lower Eocene (Wind River); Wyoming.

Notharctus sp. indet.

Granger and Gregory 1917 A, 846. Eocene (Huerfano); Colorado.
Matthew, W. D. 1909 C, 95. Middle Eocene (Bridger); Wyoming.
Ossenkopp, G. J. 1925 A, 484. Eocene; Colorado.

APHANOLEMUR Granger and Gregory. Type *A. gibbosus* Granger and Gregory.

Granger and Gregory 1917 A, 856.
Black, D. 1925 A, table.
Ossenkopp, G. J. 1925 A, 485.
Zittel and Schlosser 1923 A, 640.

Aphanolemur gibbosus Granger and Gregory.

Granger and Gregory 1917 A, 856.
Gregory, W. K. 1922 A, 221, fig. 152.
Ossenkopp, G. J. 1925 A, 485.
Middle Eocene (Lower Bridger); Wyoming.

SMILODECTES Wortman. Type *Hyopsodus gracilis* Marsh.

Wortman, J. L. 1903 A, xvi, 362.
Hubrecht, A. A. W. 1908 A, 161.
Matthew, W. D. 1909 C, 100.
Ossenkopp, G. J. 1925 A, 498.
Palmer, T. S. 1904 A, 635, 851.
Schlosser, M. 1905 A, 328, 332.
Troxell, E. L. 1926 A, 423, 428 (Syn. of Notharctus).
Wortman, J. L. 1903 A, xv, 401 (Name only).
Zittel and Schlosser 1911 A, 370.
1923 A, 449.
A genus of uncertain position; a synonym of *Notharctus* according to Troxell.

Smilodectes gracilis (Marsh).

Hay, O. P. 1902 A, 790 (Hyopsodus).
Matthew, W. D. 1909 C, 95 (Smilodectes); 99 (Hyopsodus).
Osborn, H. F. 1902 C, 172 (To Sarcolemur); 198 (Notharctus).
Ossenkopp, G. J. 1925 A, 498.
Schlosser, M. 1905 A, 332.
Trouessart, E. L. 1904 A, 41 (Northarctus).
Troxell, E. L. 1926 A, 423, figs. 1-3 (Notharctus).
Wortman, J. L. 1903 A, xvi, 362, fig. 118.
Upper Eocene (Uinta); Utah.

PROSINOPA Trouessart. Type *Sinopa eximia* Leidy.

Hay, O. P. 1902 A, 788.

Prosinopa eximia (Leidy).

Hay, O. P. 1902 A, 788.
Osborn, H. F. 1902 C, 190, fig. 18 (Sinopa).
Trouessart, E. L. 1904 A, 41.
Middle Eocene (Bridger); Wyoming.

Superfamily TARSIOIDÆ, new name.

Abel, O. 1908 C, (36) (Palæopithecinæ).
Gidley, J. W. 1922 A, 269 (Tarsioidea).
Gregory, W. K. 1915 A, 437 (Tarsiformes, as "series").
1922 A, 546 (Tarsioidea).
1927 I, 549 ("tarsioids").
Henckel, K. O. 1927 A, 367 (Tarsioidea).
Ossenkopp, G. J. 1925 A, 468, 493 (Tarsioidea).
Schlosser, M. 1907 C, 222 (Palæopithecinæ).
1911 A, 1540 ("palæopithecini")
Smith, G. E. 1920 A, 465 (Tarsioidea).
Stehlin, H. G. 1916 B, 1541 (Tarsiformes); 1540 (Palæopithecini).
Weber and Abel 1928 A, 716, 746, 753, 896 (Tarsioidea).
Weber and Burlet 1927 A, xv (Tarsioidea).
Winge, H. 1924 A, 253, 254 (Tarsiidæ).
Wortman, J. L. 190[illegible] A, xv, 411 (Palæopithecinæ).
1904 A, 25 (Palæopithecinæ).

TARSIIDÆ Burnett.

Unless otherwise indicated the authors, as quoted, employ for this family the name Anaptomorphidæ.

Burnett, G. T. 1828 A, 307 (Tarsidæ).
Abel, O. 1908 C (36).
1913 B, 755b, 756.
1914 A, 255, 257.
1919 A, 875.
Ameghino, F. 1889 A, 893.
Arldt, T. 1907 D, 637.
1907 E, 208 ("anaptomorphiden").
1912 A, 698.
Beddard, F. E. 1902 A, 550 (Tarsiidæ); 552 (Anaptomorphidæ).
Bluntschli, H. 1911 A, 122 (Tarsiidæ).
Brown, A. E. 1901 A, 123.
Carter, J. T. 1922 A, 607, pl. iii, fig. 1; pl. iv, fig. 1 (Tarsius).
Cope, E. D. 1883 I, 80.
Cunningham, J. T. 1920 A, 495 (Tarsius).
Depéret, C. 1907 B ("anaptomorphidés").
1912 A, 707 ("anaptomorphidés").
Earle, C. 1897 A, 569 (Tarsius).
Elliot, S. G. 1921 A, 185, pl. i (Tarsiidæ, Tarsioidea).
Fischer, E. 1905 B, 397 (Tarsius).
Gidley, J. W. 1923 A, 3, 22.
Gregory, W. K. 1914 F, 529 (Anaptomorphidæ, Tarsiidæ).
1915 A, 426, 438 (Tarsiidæ).
1916 B, 267 (Tarsiidæ).
1920 A, 204 (Tarsiidæ).
1921 A, 221 (Tarsiidæ).
1922 A, 112, 546.
Gregory and Hellman 1926 A, 12.
Hill, J. P. 1920 A, 476 (Tarsiius).
Hrdlička, A. 1924 A, 126 (Tarsii).
Hubrecht, A. A. W. 1897 A, 6, figs. 1, 2, 4-6 (Tarsius).
Kingsley, J. S. 1925 A, 219, figs. 231, 272, 323.
Leche, W. 1900 A, 1025, fig. 103 (Tarsius).
Loomis, F. B. 1906 A, 277.
1911 C, 481.
MacBride, E. W. 1920 A, 497 (Tarsius).
Matthew, W. D. 1906 B, 361.
1909 C, 93, 95, 100.
1909 D, 298, 549.
1914 B, 387.
1915 A, 215.
1915 F, 445, 447 (Tarsiidæ).
1915 K, 44.
1921 D, 214.
1928 B, 957 ("tarsioid primates").
Mitchell, P. C. 1920 A, 496 (Tarsius).
Mivart, St. G. 1874 B, 69, 81, 83.
Morton, D. J. 1924 A, 24 (Tarsius).
Osborn, H. F. 1901 D, 623.
1902 C, 176, 199.
1905 I, 101.
1909 D, 46, 52.
1910 B, 161, 543.
Palacký, J. 1899 A, 1 (Tarsiidæ).
Palmer, T. S. 1905 A, 890 (Anaptomorphidæ); 903 (Tarsiidæ).
Pia, J. 1916 A, 128 ("tarsier").
Pocock, R. I. 1920 A, 494 (Tarsius).
Schlosser, M. 1905 A, 333.
1907 C, 215, 222.
Scott, W. B. 1913 A, 578.
Simpson, G. G. 1928 A, 9.
Smith, G. E. 1920 A, 465 (Tarsius).
Stehlin, H. 1912 A, 1286 ("anaptomorphiden").
1916 B, 1389 ("tarsiiden"); 1540 (Anaptomorphidæ).
Terra, P. 1911 A, 346.
Thacker, A. G. 1922 A, 604 (Anaptomorphidæ).
Todd, T. W. 1922 A, 273.
Weber, M. 1904 A, 763.
Winge, H. 1924 A, 253, 259 (Tarsiini).
Wood-Jones, F. 1920 A, 491 (Tarsius).
Woodward, A. S. 1920 C, 465 (Tarsius).
Wortman, J. L. 1903 A, xv, 411.
1904 A, 29.
Wright, R. R. 1883 A, 489, fig. 228.
Zittel and Schlosser 1911 A, 548.

ANAPTOMORPHINÆ.

Abel, O. 1908 C (36).
1922 C, 294 ("anaptomorphiden").
Black, D. 1925 A, 143 (Anaptomorphidæ).
Gregory, W. K. 1914 F, 529.
1927 I, 557, 559 ("anaptomorphs").
Gregory and Hellman 1926 A, 103.
Pia, J. 1916 A, 129 ("anaptomorphiden").
Schlosser, M. 1905 A, 335.
1907 C, 215, 222.
1911 A, 61.
Stehlin, H. G. 1916 B, 1540.
Wortman, J. L. 1904 A, 29, 208.
Zittel and Schlosser 1923 A, 644, 666, 667.

CARPODAPTES Matthew and Granger. Type *C. aulacodon* Matthew and Granger.

Matthew and Granger 1921 A, 6.
Simpson, G. G. 1928 A, 8.
1928 D, 301.
A genus of uncertain position.

Carpodaptes aulacodon Matthew and Granger.

Matthew and Granger 1921 A, 6.
Reeside, J. B. 1924 A, 47.
Paleocene (Tiffany); Colorado.

CARPOLESTES Simpson. Type *C. nigridens* Simpson.

Simpson, G. G. 1928 A, 7.
1928 D, 301.

Carpolestes nigridens Simpson.

Simpson, G. G. 1928 A, 7, fig. 5.
Upper Cretaceous (Fort Union); Montana.

Omomys Leidy. Type *O. carteri* Leidy.

Hay, O. P. 1902 A, 788 (Omomys); 794 (Palæacodon).
Adloff, P. 1927 A, 443, fig. 7.
Black, D. 1925 A, table.
Bluntschli, H. 1911 A, 122.
1912 B, 357.
Chardin, P. T. 1924 A, 13.
1927 A, 16, pls iii, iv; text-figs. 12-14.
Dollo and Chardin 1924 A, 13, 14.
Gidley, J. W. 1923 A, 9, 21.
Gregory, W. K. 1915 A, 438.
1916 A, 244, pls. I, O; text-fig. 10.
1918 A, 8.
1921 A, 219.
1922 A, 188, 190, 514.
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 348 (Palæacodon).
Matthew, W. D. 1909 C, 100.
1915 F, 447, 448, figs. 20, 21.
1918 H, 567.
1928 B, 966, 976, fig. 14.
Ossenkopp, G. J. 1925 A, 494, 495, 502.
Palmer, T. S. 1904 A, 476, 901 (Omomys); 497, 851 (Palæacodon).
Pia, J. 1916 A, 129.
Schlosser, M. 1905 A, 333.
1907 C, 216.
1911 A.
Stehlin, H. G. 1916 B, 1388, 1404, 1539.
Troxell, E. L. 1926 A, 426.
Weber, M. 1904 A, 763 (Palæacodon).
Weber and Abel 1928 A, xxi, 754, 758.
Wortman, J. L. 1903 A, xv, 408.
1904 A, 27, 29, 211.
Zittel and Schlosser 1911 A, 548.
1923 A, 645, 666.

Omomys ameghini Wortman.

Wortman, J. L. 1904 A, 134; fig. 127.
Matthew, W. D. 1909 C, 95.
Ossenkopp, G. J. 1925 A, 494.
Schlosser, M. 1905 A, 334 (O. ameghinoi).
Stehlin, H. G. 1916 B, 1411.
Middle Eocene (Bridger); Wyoming.

Omomys carteri Leidy.

Hay, O. P. 1902 A, 788 (O. carteri); 787 (Antiacodon nanus).
Gregory, W. K. 1921 A, 55.
Hayden, F. V. 1871 A, 145.
Matthew, W. D. 1909 C, 95.
Osborn, H. F. 1902 C, 172, 173, 190, 200, fig. 19
Ossenkopp, G. J. 1925 A, 494.
Schlosser, M. 1905 A, 333.
1907 C, 216.
Stehlin, H. G. 1916 B, 1410.
Wortman, J. L. 1904 A, 30, figs. 120-122.
Middle Eocene (Bridger); Wyoming.

Omomys minutus (Loomis).

Loomis, F. B. 1906 A, 283-285, fig. 6 (Notharctus).
Matthew, W. D. 1909 C, 93 (Omomys?).
1915 F, 442, 449.
Ossenkopp, G. J. 1925 A, 495.
Stehlin, H. G. 1916 B, 1544.
Lower Eocene (Wind River); Wyoming.

Omomys pucillus (Marsh).

Hay, O. P. 1902 A, 794 (Hemiacodon).
Matthew, W. D. 1909 C, 95.
Osborn, H. F. 1902 C, 173, 190.
Ossenkopp, G. J. 1925 A, 494.
Schlosser, M. 1905 A, 333 (O. pusillus).
Stehlin, H. G. 1916 B, 1410.
Wortman, J. L. 1904 A, 133; figs. 124-126.
Middle Eocene (Bridger); Wyoming.

Omomys vagus (Marsh).

Hay, O. P. 1902 A, 794 (Palæacodon).
Matthew, W. D. 1909 D, 298 (Syn. of O. carteri).
Osborn, H. F. 1902 C, 173, 200 (Omomys?).
Trouessart, E. L. 1904 A, 291 (Palæacodon).
Wortman, J. L. 1904 A, 30, 33, fig. 123 (Syn. of O. carteri).
Middle Eocene (Bridger); Wyoming.

Omomys vespertinus Matthew.

Matthew, W. D. 1915 F, 450; figs. 22, 23 (This genus?).
Ossenkopp, G. J. 1925 A, 495.
Stehlin, H. G. 1916 B, 1410.
Lower Eocene (Wasatch); New Mexico, Wyoming.

Omomys sp. indet.

Gregory, W. K. 1922 A, 187. Eocene (Bridger); Wyoming.

Hemiacodon Marsh. Type *H. gracilis* Marsh.

Hay, O. P. 1902 A, 794.
Black, D. 1925 A, table.
Bluntschli, H. 1911 A, 122.
1912 B, 357.
Carter, J. T. 1922 A, 604, 607, pl. vi, fig. 1.
Gidley, J. W. 1917 B, 59.
1923 A, 9.
Granger, W. 1909 A, 22.
Granger and Gregory 1917 A, 827, 856.
Gregory, W. K. 1915 A, 426, 438.
1922 A, 537.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 100.
1915 F, 447, 451.
Matthew, W. D. 1918 H, 567.
Osborn, H. F. 1910 B, 543.
Ossenkopp, G. J. 1925 A, 495, 501, 502.
Palmer, T. S. 1904 A, 316, 890.
Schlosser, M. 1905 A, 329, 333.
1907 C, 216.
1911 A.
Scott, W. B. 1913 A, 578.
Stehlin, H. G. 1916 B, 1388, 1431, 1536, 1539.
Weber and Abel 1928 A, 754, 758.
Wortman, J. L. 1903 A, xv, 408.
1904 A, 27, 29, 211.
Zittel and Schlosser 1911 A, 548.
1923 A, 645 (Syn. of Omomys).

Hemiacodon gracilis Marsh.

Hay, O. P. 1902 A, 794.
Gregory, W. K. 1922 A, 190, figs. 113, 114.
Matthew, W. D. 1909 C, 95.
1915 F, 452, fig. 24.
Osborn, H. F. 1902 C, 173, 190 (To Omomys).
Ossenkopp, G. J. 1925 A, 495.
Schlosser, M. 1905 A, 334.
Wortman, J. L. 1903 A, xv, 408.
1904 A, 135, figs. 128-131.
Middle Eocene (Bridger); Wyoming.

Hemiacodon pygmæus Wortman.

Wortman, J. L. 1904 A, 138, fig. 132.
Matthew, W. D. 1909 C, 95.
Ossenkopp, G. J. 1925 A, 495.
Schlosser, M. 1905 A, 334.
Middle Eocene (Bridger); Wyoming.

Hemiacodon sp. indet.

Gidley, J. W. 1918 B, 59. Lower Eocene (Wasatch); Colorado.
Reeside, J. B. 1924 A, 46. Lower Eocene (Wasatch); Colorado.

UINTANIUS Matthew. Type *U. turriculorum* Matthew.

Matthew, W. D. 1915 F, 448, 455.
Gregory, W. K. 1915 A, 438.
1922 A, 198.
Ossenkopp, G. J. 1925 A, 495, 502.
Simpson, G. G. 1928 A, 10.
Stehlin, H. G. 1916 B, 1387, 1404, 1432.
Weber and Abel 1928 A, 751, 754, 759.
Zittel and Schlosser 1923 A, 645.

Uintanius turriculorum Matthew.

Matthew, W. D. 1915 F, 455, 456, figs, 27, 28.
Gregory, W. K. 1922 A, 199, fig. 125.
Ossenkopp, G. J. 1925 A, 495.
Stehlin, H. G. 1916 B, 1544.
Middle Eocene (Bridger); Wyoming.

WASHAKIUS Leidy. Type *W. insignis* Leidy.

Leidy, J. 1873 B, 123.
Hay, O. P. 1902 A, 787 (Anaptomorphus, in part).
Black, D. 1925 A, table.
Bluntschli, H. 1912 B, 370.
Gidley, J. W. 1923 A, 21.
Gregory, W. K. 1915 A, 438.
1921 A, 220.
1922 A, 192.
Haug, E. 1911 A, 1528.
Matthew, W. D. 1909 C, 100.
1915 F, 453.
Osborn, H. F. 1910 B, 130, 134, 543.
Ossenkopp, G. J. 1925 A, 495, 502.
Palmer, T. S. 1904 A, 709, 890.
Schlosser, M. 1905 A, 329, 335.
1907 C, 215, 217.
1911 A, 58.
Stehlin, H. G. 1916 B, 1320, 1388, 1395, 1432, 1536, 1539.
Wallace, A. R. 1876 A, I, 134.
Weber, M. 1904 A, 763.
Weber and Abel 1928 A, 754, 758.
Winge, H. 1924 A, 288.
Wortman, J. L. 1903 A, xv, 408.
1904 A, 28, 208.
Zittel and Schlosser 1911 A, 549.
1923 A, 645.

Washakius insignis Leidy.

Hay, O. P. 1902 A, 787 (Anaptomorphus).
Bluntschli, H. 1912 B, 369, fig. 11.
Gregory, W. K. 1922 A, 193, figs. 115, 116.
Matthew, W. D. 1909 C, 95.
1915 F, 453, fig. 25.
Osborn, H. F. 1902 C, 173, 200, fig. 23a.
Ossenkopp, G. J. 1925 A, 495.
Schlosser, M. 1905 A, 335.
Stehlin, H. G. 1916 B, 1395.
Trouessart, E. L. 1904 A, 40 (Anaptomorphus).
Wortman, J. L. 1904 A, 208, figs. 142-146.
Middle Eocene (Bridger); Wyoming.

SHOSHONIUS Granger. Type *S. cooperi* Granger.

Granger, W. 1910 A, 249.
Black, D. 1925 A, table.
Gregory, W. K. 1915 A, 438.
Matthew, W. D. 1915 F, 454.
1928 B, 976, fig. 14.
Osborn, H. F. 1912 G, 236, fig. 3.
Ossenkopp, G. J. 1925 A, 496, 502.
Stehlin, H. G. 1916 B, 1320, 1431, 1536, 1539.
Zittel and Schlosser 1923 A, 645.

Shoshonius cooperi Granger.

Granger, W. 1910 A, 249, fig. 5.
Gregory, W. K. 1922 A, 194, fig. 117.
Matthew, W. D. 1915 F, 454, fig. 26.
Ossenkopp, G. J. 1925 A, 496.
Stehlin, H. G. 1916 B, 1544.
Weber and Abel 1928 A, 754, fig. 531.
Lower Eocene (Wind River); Wyoming.

ANAPTOMORPHUS Cope. Type *A. æmulus* Cope.

Cope, E. D. 1872 TT, 1.
Hay, O. P. 1902 A, 787.
Abel, O. 1908 C, (37).
1913 B, 756.
1914 A, 257, 258.
Adloff, P. 1903 A, 362, fig. 4.
Ameghino, F. 1906 A, 423.
Beddard, F. E. 1902 A, 552.
Black, D. 1925 A, table.
Bluntschli, H. 1912 A, 134.
Case, E. C. 1899 B, 183.
Chapman, H. C. 1904 A, 150, 153.
Cope, E. D. 1880 U, 153.
Earle, C. 1897 A, 682.
1897 B, 309.
Gregory, W. K. 1912 C, 195.

Gregory, W. K. 1913 C, 252.
1915 A, 426, 438.
1916 A, 252.
1922 A, 531.
1927 A, 603 ("anaptomorphids").
Haug, E. 1911 A, 1528.
Heilprin, A. 1887 A, 349, 403.
Hubrecht, A. A. W. 1897 A, 6, 7.
1908 A, 160.
Loomis, F. B. 1905 C, 296.
1906 A, 277.
1911 C, 479.
Matthew, W. D. 1909 C, 100.
1915 F, 456.
1915 K, 420.
1916 I, 109.
Osborn, H. F. 1902 C, 200.
1902 D, 265, fig. 4.
1907 G, 89, 158; figs. 38, 40, 43, 127, 129, 130, 213.
1910 B, 127, 134, 543.
1912 G, 236, fig. 3.
Ossenkopp, G. J. 1925 A, 496.
Palacký, J. 1899 A, 1 (Anaptomorfus).
1902 B, 151.
Palmer, T. S. 1904 A, 100, 890.
Schlosser, M. 1898 B, 363.
1905 A, 329, 335.
1907 C, 215.
1911 A.
Scott, W. B. 1913 A, 281, 581, 675.
Seeley, H. G. 1886 A, 417.
Smith, G. E. 1920 A, 470.
Stehlin, H. G. 1916 B, 1384, 1388.
Thompson, A. H. 1900 A, 921.
1906 A, 262.
Weber, M. 1904 A, 763.
Weber and Abel 1928 A, 753, 759.
Winge, H. 1924 A, 253, 258, 310, 312.
Woodward, A. S. 1920 C, 465.
Wortman, J. L. 1903 A, xv, 407.
1904 A, 28, 140, 208.
Zittel and Schlosser 1911 A, 548.
1923 A, 645.

Anaptomorphus æmulus Cope.

Cope, E. D. 1872 TT, 1.
Hay, O. P. 1902 A, 787.
Bluntschli, H. 1911 A, 134.
Gregory, W. K. 1921 A, 56.
Loomis, F. B. 1906 A, 277.
Matthew, W. D. 1909 C, 95.
1915 F, 457, fig. 29.
Osborn, H. F. 1902 C, 173, 177, 202, figs. 4, 26.
Ossenkopp, G. J. 1925 A, 496.
Schlosser, M. 1905 A, 335.
1911 A.
Seeley, H. G. 1886 A, 417, fig.
Stehlin, H. G. 1916 B, 1384.
Trouessart, E. L. 1904 A, 39.
Wortman, J. L. 1904 A, 140, 211.
Middle Eocene (Bridger); Wyoming.

Anaptomorphus minimus Loomis.

Loomis, F. B. 1906 A, 278, 279, fig. 1.
1907 B, 356 (Anaptomorpha).
Matthew, W. D. 1909 C, 93.
Lower Eocene (Wasatch); Wyoming.

EURYACODON Marsh. Type *E. lepidus* Marsh.

Hay, O. P. 1902 A, 741.
Matthew, W. D. 1909 C, 100.
1915 F, 457.
Palmer, T. S. 1904 A, 279, 871.
Schlosser, M. 1905 A, 333.
1907 C, 216.
1911 A, 66.
Stehlin, H. G. 1916 B, 1388, 1421, 1431 ("=Anaptomorphus?").
Weber and Abel 1928 A, 755.
Wortman, J. L. 1903 A, xv, 407.
1904 A, 27, 29.
Zittel and Schlosser 1923 A, 645 (Syn. of Omomys).

Euryacodon lepidus Marsh.

Hay, O. P. 1902 A, 741.
Matthew, W. D. 1909 C, 95.
Schlosser, M. 1905 A, 334.
1911 A, 70.
Ossenkopp, G. J. 1925 A, 496.
Wortman, J. L. 1904 A, 139, figs. 133, 134.
Middle Eocene (Bridger); Wyoming.

PALÆCHTHON Gidley. Type *P. alticuspis* Gidley.

Gidley, J. W. 1923 A, 6.
Simpson, G. G. 1927 B, 5.
Weber and Abel 1928 A, 759.

Palæchthon alticuspis Gidley.

Gidley, J. W. 1923 A, 6, pl. i, fig. 1.
Ossenkopp, G. J. 1925 A, 498.
Paleocene (Fort Union); Montana.

Palæchthon minor Gidley.

Gidley, J. W. 1923 A, 7, 11, pl. iv, fig. 1.
Ossenkopp, G. J. 1925 A, 498.
Paleocene (Fort Union); Montana.

ABSAROKIUS Matthew. Type *Anaptomorphus abbotti* Loomis.

Matthew, W. D. 1915 F, 463.
Black, D. 1925 A, table.
Ossenkopp, G. J. 1925 A, 496, 502.
Simpson, G. G. 1928 A, 10.
Stehlin, H. G. 1916 B, 1386, 1404, 1431.
Zittel and Schlosser 1923 A, 645.

Absarokius abbotti (Loomis).

Loomis, F. B. 1906 A, 278, 279, fig. 2 (Anaptomorphus).
Matthew, W. D. 1909 C, 93. (Anaptomorphus).
1915 F, 463, fig. 35.
Ossenkopp, G. J. 1925 A, 496.

Stehlin, H. G. 1916 B, 1386, 1544.
Zittel and Schlosser 1923 A, 645.
Lower Eocene (Wind River); Wyoming.

Absarokius noctivagus Matthew.

Matthew, W. D. 1915 F, 465, figs. 36, 37.
Stehlin, H. G. 1916 B, 1386, 1544.
Lower Eocene (Wind River); Wyoming.

PAROMOMYS Gidley. Type *P. maturus* Gidley.

Gidley, J. W. 1923 A, 3, 10.
Ossenkopp, G. J. 1925 A, 497.
Simpson, G. G. 1927 B, 5.
Weber and Abel 1928 A, 759.

Paromomys depressidens Gidley.

Gidley, J. W. 1923 A, 4, pl. iii, fig. 7; text-fig. 3.
Ossenkopp, G. J. 1925 A, 498.
Paleocene (Fort Union); Montana.

Paromomys maturus Gidley.

Gidley, J. W. 1923 A, 3, pl. i, fig. 3; pl. ii, figs. 2, 3; text-figs. 1, 2.
Ossenkopp, G. J. 1925 A, 497.
Paleocene (Fort Union); Montana.

TETONIUS Matthew. Type *Anaptomorphus homunculus* Cope.

Matthew, W. D. 1915 F, 457.
Black, D. 1925 A, table.
Granger and Gregory 1917 A, 857.
Gregory, W. K. 1915 A, 438.
1920 A, 204, fig. 191.
1921 A, 197.
1922 A, 547.
Matthew, W. D. 1918 H, 566.
1928 B, 966, 976, fig. 14.
Ossenkopp, G. J. 1925 A, 496.
Simpson, G. G. 1928 A, 10.
Stehlin, H. G. 1916 B 1404, 1431, 1506, 1536.
Weber and Abel 1928 A, 753, 754, 759.
Winge, H. 1924 A, 257.
Zittel and Schlosser 1923 A, 644, 666.

Tetonius ambiguus Matthew.

Matthew, W. D. 1915 F, 462, fig. 32.
Ossenkopp, G. J. 1925 A, 497.
Stehlin, H. G. 1916 B, 1544.
Lower Eocene (Wasatch); Wyoming.

Tetonius homunculus (Cope).

Unless otherwise indicated the authors, as quoted, use the generic name *Anaptomorphus*.
Hay, O. P. 1902 A, 787.
Abel, O. 1913 B, 756, figs. 112, 113.
1914 A, 259, figs. 235, 236.
1922 C, 294, fig. 248.
Bluntschli, H. 1912 B, 369, fig. 12.
Boule, M. 1923 A, 78, 80, 454.
Cope, E. D. 1885 EE, 609, fig. 2.
Gregory, W. K. 1915 A, 430.
1921 A, pl. li (Tetonius).
Gregory, W. K. 1922 A, 187, figs. 118, 119, 121, 123.
Henckel, K. O. 1927 A, 366.
Hubrecht, A. A. W. 1897 A, 6, fig. 3.
Loomis, F. B. 1906 A, 277, 278, 279.
Matthew, W D. 1909 C, 93, 459.
1915 F, 457, 459, figs. 30, 31.
Osborn, H. F. 1902 C, 175, 200, figs. 24, 25.
Ossenkopp, G. J. 1925 A, 496.
Schlosser, M. 1911 A.
Scott, W. B. 1913 A, 581, fig. 285.
Seeley, H. G. 1886 A, 417, fig.
Stehlin, H. G. 1916 B, 1384.
Trouessart, E. L. 1904 A, 40.
Weber, M. 1904 A, 763, fig. 547.
Weber and Abel 1928 A, 753, fig. 532.
Wortman, J. L. 1903 A, xv, 407 (Anaptomorphus or Euryacodon).
1904 A, 23, 212.
Zittel and Schlosser 1911 A, 548, fig. 742 (Anaptomorphus).
1923 A, 644, fig. 787.
Lower Eocene (Wasatch); Wyoming.

Tetonius musculus Matthew.

Matthew, W. D. 1915 F, 463, figs. 33, 34.
Gregory, W. K. 1922 A, 187.
Ossenkopp, G. J. 1925 A, 497.
Stehlin, H. G. 1916 B, 1386, 1544.
Lower Eocene (Wind River); Wyoming.

Tetonius rex Gidley.

Gidley, J. W. 1923 A, 11, pl. iii, fig. 4.
Ossenkopp, G. J. 1925 A, 497.
Paleocene (Fort Union); Montana.

ELPHIDOTARSIUS Gidley. Type *E. florencæ* Gidley.

Gidley, J. W. 1923 A, 10, 22.
Simpson, G. G. 1928 A, 10.
Weber and Abel 1928 A, 759.

Elphidotarsius florencæ Gidley.

Gidley, J. W. 1923 A, 10, pl. iv, fig. 2.
Ossenkopp, G. J. 1925 A, 497.
Paleocene (Fort Union); Montana.

NAVAJOVIUS Matthew and Granger. Type *N. kohlhaasæ* Matthew and Granger.

Matthew and Granger 1921 A, 5.
Black, D. 1925 A, table.
Ossenkopp, G. J. 1925 A, 498.
Zittel and Schlosser 1923 A, 645.

Navajovius kohlhaasæ Matthew and Granger.

Matthew and Granger 1921 A, 5.
Ossenkopp, G. J. 1925 A, 498.
Reeside, J. B. 1924 A, 47.
Paleocene (Tiffany); Colorado.

Suborder ANTHROPIFORMES, new name.

Abel, O. 1919 A, 877 (Anthropoidea).
1920 A, 453 (Anthropoidea).
Adloff, P. 1927 A, 431 ("anthropoiden").
Appleton, A. B. 1922 A, 295 ("chimpanzee," etc.).
Arldt, T. 1907 D, 144, 609 (Anthropomorpha).
Beyer, H. 1908 A, 88 ("affen").
Bolk, L. 1922 A, 119 (Anthropoidæ).
1923 A, 16 ("anthropoids").
Boule, M. 1923 A, 487 ("anthropoid apes").
Carus and Engelmann 1861 A, 1303, 1687, 1793 (Quadrumana, in part).
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Cope, E. D. 1891 N, 79, 90 (Anthropomorpha).
Cunningham, J. T. 1920 A, 496 ("apes").
Earle, C. 1897 A, 685 ("apes").
Eggeling, H. 1922 A, 50 ("menschenaffen").
Falconer, H. 1868 A, 307 (Quadrumana).
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Fischer, J. B. 1829 A, 8 (Quadrumana).
Gill, T. 1872 A, 296 (Anthropoidea).
1872 B, 1 (Anthropoidea).
Gregory, W. K. 1922 A, 531 (Anthropoidea).
1924 B, 421 ("gorilla").
1927 A, 602 ("anthropoids").
1927 F, 297 ("anthropoid apes").
1927 I, 549, 560 ("anthropoids").
1927 J, 440, 445, 455 ("anthropoids").
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Kaempfert, W. 1927 A, 8.
Kunstler and Chaine 1906 A, 100 ("singes").
Lankester, E. R. 1924 A, 10 ("gorilla").
Leche, W. 1900 A, 1035 ("anthropomorphen").
Lydekker, R. 1885 B, 1 (Anthropoidea).
MacBride, E. W. 1920 A, 498 ("apes").
Major, C. J. F. 1872 A, 160 (Anthropomorpha).
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Mivart, St. G. 1874 B, 9, 69, 83 (Anthropoidea).
Osborn, H. F. 1910 B, 544 (Anthropoidea).
1922 D, 721, 722 (Anthropoidea).
1925 B, 18 (Anthropoidea).
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Ossenkopp, G. J. 1925 A, 469 (Anthropoidea).
Owen, R. 1859 C, 8 ("anthropoid apes").
1866 B, 511-553 (Quadrumana).
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Perrier, E. 1920 A, 372 ("singes").
Pilgrim, G. E. 1915 A, 54 (Anthropoidea).
Remane, A. 1921 A, 335 ("anthropoiden").
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Reynolds, S. H. 1897 A, 532 (Anthropoidea).
Schlosser, M. 1887 B, 9 (Anthropomorphæ).
1911 A, 60, 62, 145 (Anthropoidea).
Scott, W. B. 1913 A, 578 (Anthropoidea).
Smith, G. E. 1920 A, 467 (Anthropoidea).
Terra, P. 1911 A, 352 (Anthropoidæ).
Thacker, A. G. 1922 A, 603 (Anthropoidea).
1923 A, 384 (Anthropoidea).
Wallis, W. D. 1925 A, 62 ("apes").
Weber and Abel 1928 A, 716, 880, 881 (Anthropoidea); 784, 811, 881 (Anthropomorphæ).
Weber and Burlet 1927 A, xv (Anthropoiden).
Weidenreich, F. 1922 B, 60 ("anthropomorphen").
Winge, H. 1924 A, 271, 310 (Simiidæ).
Wood-Jones, F. 1920 A, 491 (Anthropoidea).
Woodward, A. S. 1898 B, 406 (Anthropoidea).
1917 D, lix (Anthropoidea).
Worthmann, F. 1922 A, 307 ("affen").
Wortman, J. L. 1903 A, 411 (Anthropoidea).
1904 A, 23 (Anthropoidea).
Wright, R. R. 1883 A, 493 (Anthropoidea).
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Superfamily PONGOIDÆ, new name.

Bertelli, D. 1909 A, figs. 27, 33 (Simia).
Brauer, A. 1914 A, 269 (Catarrhini).
Freudenberg, W. 1923 A, 122 ("menschenaffen").
Geoffroy-St. Hilaire, E. F. 1912 A, 86 (Catarrhini).
Gill, T. 1872 A, 296 (Simiæ).
1872 B, 1 (Simiæ catarrhinæ).
Gregory, W. K. 1910 A, 321 (Simiæ).
1922 A, 533 (Catarrhinæ).
Gruber, W. 1873 A, 338 (Simiæ).
Hill-Tout, C. 1924 A, 236 ("anthropoid apes").
Hrdlička, A. 1924 A, 112 ("anthropoid apes").
Morton, D. J. 1924 A, 27 ("anthropoid apes").
Mysberg, W. A. 1917 A, 658 (Simiæ).
Owen, R. 1845 B, 1440, pls. cxvi-cxx (catarhines").
Pocock, R. I. 1916 G, 548 (Catarhini).
1920 A, 495 (Catarhini).
Remane, A. 1922 A ("anthropoiden").
Smith, G. E. 1920 A, 475 ("catarhines").
Terra, P. 1911 A, 351 (Catarrhini).
Thacker, A. G. 1914 A, 280 ("apes").
1922 A, 603, 605 (Catarrhina).
1923 A, 384 (Catarrhina).
Weber and Abel 1928 A, 797, 825 (Catarrhina).
Weber and Burlet 1927 A, xv (Catarhina).
Wright, R. R. 1883 A, 510 (Catarrhini, Simiadæ).
Zaaijer, T. 1894 A, 339 (Simiæ).
Zittel, K. A. 1893 B, 705 (Catarrhini); 708 (Anthropomorphidæ).
Zittel and Schlosser 1911 A, 555 (Simiidæ).
1923 A, 651 (Simiidæ).

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Appleton, A. B. 1922 A, 297 (Simiidæ).
Arldt, T. 1907 D, 638 (Anthropomorphidæ).
Black, D. 1925 A, 149 (Simiidæ).
Boule, M. 1923 A, 69 (Simiidæ).
Gill, T. 1872 A, 296 (Simiidæ).
Gill, T. 1872 B, 1 (Simiidæ).
Gregory, W. K. 1922 A, 302, 412 (Simiidæ).
1927 G, 268, 272, fig. 1 ("chimpanzee").
1927 I, 550 (Simiidæ).
1927 J, 451 (Simiidæ).

Gregory and Hellman 1926 A, 9 ("anthropoid apes").
Huxley, T. 1864 D, 648 (Anthropomorpha).
Lydekker, R. 1885 B, 1 (Simiidæ).
Mivart, St. G. 1874 B, 10 (Simiadæ).
Mollison, T. 1924 A, 712 (Simiidæ).
Osborn, H. F. 1910 B, 545 (Simiidæ).
1922 E, 283 (Simiidæ).
1927 A (Simiidæ).
1928 B, 194, 196 (Simiidæ).
Owen, R. 1835 A, 23, 38 (Pongo).
Pilgrim, G. E. 1915 A, 9 (Simiidæ).
Remane, A. 1921 A, 339 (Simiidæ).
1922 A (Simiidæ).
Schlosser, M. 1911 A, 52, 62 (Simiidæ).
Thacker, A. G. 1914 A, 280 (Simiidæ).
1922 A, 604 (Simiidæ).
Todd, T. W. 1922 A, 281 (Pongo).
Trouessart, E. L. 1904 A, 1 (Simiidæ).
Winge, H. 1924 A, 277 (Simiini).
Woodward, A. S. 1898 B, 406 (Simiidæ).

Inasmuch as the genus *Hesperopithecus* (*Prosthennops*) was formerly referred to this family, the citations to the literature of Pongoidæ and Pongidæ are retained.

ADDENDA ET CORRIGENDA

On page 155 of volume I of this work the paper designated as Elliot, Smith G, 1921 A should have been entered as Smith, G. E. 1921 A.

On page 162 of the same volume a paper designated as Flower, W. H., 1886 A ought to have been recorded as Woodward, A. S. 1886 A.

On page 718 of the first volume the Ostariophysi are called a Class. They form an Order only.

On page 181, volume II of this book under *Dromaeosaurus? gracilis* the following entry should have been made:

Schuchert, C. 1910 A, 536 (C. medius).

The following species should appear on page 111 of the present volume:

Amyda? pennata (Cope).

Hay, O. P. 1902 A, 454 (Trionyx).
1908 A, 511, 554, pl. xcvi, fig. 6 (Amyda).
Eocene (Shark River?); New Jersey.

INDEX

Page

abacura (Farancia) 269
abacura (Helicops) *269*
abbotti (Absarokius) 928
abbotti (Anaptomorphus) *928*
abbotti (Peltosaurus) 254
abbotti (Rhadinorhinus) 717
abeli (Gomphotherium) 635
abeli (Tetrabelodon) *635*
abeli (Trilophodon) *635*
aberrans (Parahyus) 162
aberti (Sciurus) 874
abnormis (Typopus) 23
abradens (Zapsalis) 181
abradus (Zaphalis) *181*
abradus (Zaphsalis) *181*
abruptus (Holosaurus) 261
abruptus (Platecarpus) *261*
absarokæ (Didelphodus) 432
Absarokius 928
  abbotti 928
  noctivagus 929
abscissa (Baropezia) 7
acadiensis (Ichthyoidichnites) 15
Acanthopholidæ *207, 232*
accessor (Castor) 887
Accipiter 315
  cooperi 315
  velox 315
Accipitres *310, 313*
Accipitridæ *320*
Accipitriformes *310, 313*
Accipitrinæ *314*
Accipitrini *313*
accipitrinus (Asio) *351*
accola (Telmatherium) 714
acer (Crocodilus) *153*
acer (Crocodylus) 153
acer (Esthonyx) 854
acer (Symborodon) 718
Aceratheriinæ 746
Aceratherinæ *746*
Aceratherium *736, 740, 742,* 746
  acutum *749*
  annectens *744*
  copei *740*
  egregium *744*
  exiguum *742*
  hesperium *744*
  matutinus *747*
  megalodus *747*
  mite *742*
  nebrascensis *736*
  occidentale *741, 742*
  oregonense *745*
  pacificum *745*
  persistens *742*
  platycephalum *742*
  profectum *748*
  pumilum *742*
  simplicidens *742*

Page

Aceratherium—*Continued.*
  stigeri *745*
  tridactylum *743*
  truquianum *745*
  tubifer *743*
Acerotherium *740, 746*
  copei *740*
  occidentale *741*
  platycephalum *742*
  tridactylum *743*
Achænodon 761
  insolens 762
  robustus 762
  uintensis 762
Achænodontidæ 761
Achænodontinæ *761*
Acherontemys 84
  heckmani 84
Achilemys 100
  allabiata 100
Acichelyidæ *75*
Aciprion 246
  formosum 246
  majus 246
Acmeodon 432
  secans 432
Acmodon *432*
  secans *432*
acolytus (Mioclænus) 608
acolytus (Promioclænus) 608
Acompsosaurus 140
  wingatensis 140
Acreodi *465*
acridens (Arretotherium) 759
acridens (Cynarctus) 509
Acrodelphidæ *582*
Acrodelphinæ 582
Acrodelphis 590
Acrosceles *240*
aculeata (Sinopa) 476
aculeatus (Stypolophus) *476*
acuminatus (Bascanion) *269*
acupictus (Plastomenus) 106
acuta (Anas) *305*
acuta (Dafila) 305
acutidens (Champsodelphis) 590
acutidens (Esthonyx) 854
acutidens (Holcodus) 261
acutidens (Ictops) 430
acutidens (Mesohippus) *675*
acutidens (Miohippus) 675
acutirostris (Varanosaurus) 47
acutosquameus (Dioplosaurus) 236
acutum (Aceratherium) *749*
acutus (Uintacyon) 484
acutus (Viverravus) 483
adamanteus (Crotalus) 271
adamsi (Ornithoides) 16
Adapidæ 919
Adapisoricidæ 451

	Page
Adaposoricidæ	*451*
addenus (Baptornis)	*279*
Adelonycterus	*455*
fuscus	*455*
Adipini	*920*
Adipis	*919*
Adipisidæ	*919*
adium (Mastodon)	*632*
Adjidaumidæ	*867*, 881
Adjidauminæ	881
Adjidaumo	881
minimus	881
minor	881
minutus	881
trilophus	881
admirabilis (Conchochelys)	110
admirabilis (Conochelys)	*110*
admirabilis (Ptilodus)	380
admirabilis (Trionyx)	*110*
Adocidæ	*87*
Adocus	*88*, 89
agilis	89
beatus	89
bossi	89
hesperius	89
kirtlandius	89
lacer	90
lineolatus	90
onerosus	90
pravus	90
punctatus	90
substriata	*91*
substrictus	*91*
syntheticus	90
variolosus	*88*
vigoratus	90
aduncus (Captorhinus)	39
aduncus (Dromopus)	11
aduncus (Pariotichus)	*39*
advena (Blastomeryx)	818
advena (Protostega)	78
adventa (Blastomeryx)	*818*
advenum (Diceratherium)	*737*
advenus (Amynodon)	737
advenus (Baptornis)	279
advocata (Telmatherium)	*714*
advocatum (Telmatherium)	714
Ægmophorus	286
lucasi	286
occidentalis	286
Ægmothorus	*286*
occidentalis	*286*
Ægialitis	*336*
vociferus	*336*
ægle (Echmatemys)	95
Ægodontia	*838*
Ægypiidæ	323
Æleurocyon	*526*
Ælurocyon	526
brevifaces	*526*
brevifacies	526
Ælurodon	495
aphobus	495
brachygnathus	495
compressus	495
ferox	*496*
francisi	495
haydeni	495
hyænoides	495
magnus	*507*
meandrinus	*508*
mustelinus	*527*
platyrhinus	495
pugnator	*509*
sævus	495
secundus	496
simulans	496
taxoides	496
ursinus	*513*
validus	495
wheelerianus	496
Æluroidea	538
Ælurotherium	*471*
bicuspis	*472*
latidens	*472*
leidyanum	*472*
æmulus (Anaptomorphus)	928
Ænocyon	501
ayresi	501
dirus	501
milleri	501
mississippiensis	501
Æpinacodon	760
americanus	760
deflectus	760
rostratus	760
æqua (Amyda)	110
æqualipes (Plesiornis)	*6*
æquicrurius (Amphidon)	371
æquidens (Oxyæna)	471
æquifacies (Tichosteus)	186
æquus (Trionyx)	*110*
æsopi (Hydrochœrus)	914
Aëtomorphæ	*810*
Ætosauri	*138*
Ætosauria	*138*
Aëtosauriformes	138
Aëtosauridæ	*135*, 138
Aëtosaurinæ	*138*
Aëtosaurus	*138*
Æx	*306*
sponsa	*306*
affine (Anchitherium)	*679*
affine (Hipparion)	*691*
affine (Hippotherium)	691
affine (Limnotherium)	*922*
affine (Neohipparion)	*691*
affine (Tinoceras)	*618*
affine (Tomitherium)	*922*
affine (Uintatherium)	618
affinis (Balæna)	577
affinis (Barosaurus)	200
affinis (Claosaurus)	215
affinis (Cœlosaurus)	181
affinis (Crocodilus)	*153*
affinis (Crocodylus)	153
affinis (Ennacodon)	375
affinis (Enneodon)	*375*
affinis (Euphagus)	358

	Page
affinis (Fuligula)	*307*
affinis (Goniopholis)	146
affinis (Hyohippus)	*679*
affinis (Hypohippus)	679
affinis (Hyrachyus)	733
affinis (Marila)	307
affinis (Merycoidodon)	780
affinis (Notharctus)	922
affinis (Oreodon)	*780*
affinis (Ornithominus)	*181*
affinis (Scolecophagus)	*358*
affinis (Stegosaurus)	234
affinis (Telmatornis)	334
affinis (Uria)	343
aftoniæ (Stegomastodon)	*633*
Aftonius	843
calvini	843
Agabelus	589
porcatus	589
agapetillus (Oxyacodon)	602
agapetillus (Palæolagus)	865
agatensis (Kalobatippus)	*677*
Agathauma	*230*
Agathaumas	*212*, 230
milo	*212*
mortuarius	*231*
sphenocerus	*225*
sylvestre	*231*
sylvestris	*222*, 231
Agathaumidæ	*220*
Agelæus	*358*
Agelaius	357
californicus	*358*
gubernator	358
agenus (Palæosyops)	*713*
agile (Tritemnodon)	*478*
agilis (Adocus)	89
agilis (Allosaurus)	*174*
agilis (Aminippus)	670
agilis (Boavus)	268
agilis (Cimolodon)	381
agilis (Cimolomys)	*381*
agilis (Claosaurus)	215
agilis (Cœlurus)	185
agilis (Cricetodipus)	*881*
agilis (Dipodomys)	881
agilis (Dromopus)	11
agilis (Graculavus)	*282*
agilis (Hadrosaurus)	*215*
agilis (Ichthyornis)	282
agilis (Merycodus)	831
agilis (Morosaurus)	191
agilis (Nanosaurus)	204
agilis (Orohippus)	670
agilis (Perodipus)	881
agilis (Saniwa)	252
agilis (Sinopa)	478
agilis (Stypolophus)	*478*
agilis (Tanaodon)	*372*
agilis (Tathiodon)	372
agilis (Thespesius)	*215*
agilis (Thinosaurus)	*252*
agilis (Tritemnodon)	478
agmius (Compsemys)	*88*
Agomphus	90
Agomphus—*Continued*	
alabamensis	90
firmus	90
masculinus	90
oxysternum	90
pectoralis	90
petrosus	91
tardus	91
turgidus	91
Agorophiidæ	579
Agorophius	579
pygmæus	579
Agostopus	2
matheri	2
medius	2
robustus	2
Agouti	*913*
agrarius (Hyrachyus)	733
agreste (Anchitherium)	*681*
agreste (Dinoceras)	*618*
agreste (Uintatherium)	618
agrestis (Archæohippus)	681
agrestis (Colonoceras)	734
agrestis (Hyrachyus)	733
agrestis (Miohippus)	*681*
agrestis (Parahippus)	681
Agriocharis	329
Agriocharus	*776*
Agriochœri	*776*
Agriochœridæ	776, *830*
Agriochœriformes	776
Agriochœrinæ	776
Agriochœroidæ	776
Agriochœrus	776
antiquus	777
auritus	777
bullatus	777
dakotensis	777
ferox	777
gaudryi	777
guiotianus	*777*
guyotianus	777
latifrons	777
macrocephalus	777
major	777
maximus	777
migrans	777
minimus	778
ryderanus	778
trifrons	778
Agriotherium	523
gregoryi	523
schneideri	523
aguti (Captorhinus)	40, *41*
aguti (Pariotichus)	*40*
Ailuroidea	*538*
Aix	306
sponsa	306
Ajaia	298
ajaja	298
Ajaja	*298*
ajaja	*298*
ajax (Apatosaurus)	195
ajax (Diatryma)	283
alabamaënsis (Globidens)	265

	Page
alabamensis (Agomphus)	90
alabamensis (Globidens)	*265*
Alabamornis	*569*
gigantea	*570*
alacer (Hypisodus)	811
Alamosaurus	201
sanjuanensis	201
Alamosemys	91
annexa	91
substriata	*91*
substricta	91
alaskæ (Equus)	707
alatus (Empedias)	35
Alauda	*354*
alpestris	*354*
Alaudæ	*354*
Alaudidæ	*354*
Alaudinæ	*354*
albeola (Anas)	*307*
albeola (Charitonetta)	307
albeola (Clangula)	*307*
albertensis (Boremys)	73
albertensis (Champsosaurus)	133
albertensis (Dromæosaurus)	180
albertensis (Palæosinopa)	425
albertensis (Styracosaurus)	225
Albertosaurus	179
arctunguis	179
sarcophagus	179
albifrons (Anser)	303
albolimbatus (Sciurus)	874
Alca	*342*
impennis	*343*
Alcæ	*342*
Alce	*826, 827*
americana	*827*
Alces	*825*, 825
alces	*827*
americana	827
brevitrabalis	827
latifrons	*825, 827*
machlis	*827*
runymedensis	827
scotti	*826*
semipalmata	827
shimeki	827
shimekii	*827*
alces (Cervus)	*827*
Alcidæ	342
Alciformes	*342*
Alcinæ	*342*, 343
Alcoidæ	342
Alcoidea	*342*
Alectorides	*324, 331*
Alectoromorphæ	*324*
Alectornithes	*324*
Alectoropodes	*324*
Alectria	*324*
Alectrides	*324*
Alectromorphæ	*324*
Alectropodes	*324*
alemani (Platygonus)	*772*
alemanii (Platygonus)	772
ales (Geranoaëtus)	317
Alethesaurus	255
Alethesaurus—*Continued*	
quadratus	255
Aletocyon	513
multicuspis	513
Aletomeryx	836
gracilis	836
Aletornis	332
bellus	332
gracilis	332
nobilis	332
pernix	332
venustus	332
alexandræ (Alticamelus)	800
alexandræ (Aplodontia)	*906*
alexandræ (Ilingoceras)	*839*
alexandræ (Ilingoceros)	839
alexandræ (Liodontia)	906
alexandræ (Shastasaurus)	126
alexandræ (Thalattosaurus)	241
alfhildæ (Phasianus)	328
allabiata (Achilemys)	100
allabiatus (Hadrianus)	*100*
Allacodon	378
fortis	378
lentus	378
pumilis	378
rarus	378
allani (Aspideretes)	108
alleni (Bison)	849
alleni (Microtus)	*900*
alleni (Neofiber)	900
alleni (Prorosmarus)	559
Alligator	156
basifissus	*149*
chamensis	*153*
heterodon	*155*
lucius	*157*
mississippiensis	157
thomsoni	157
Alligatores	*151*
Alligatoridæ	*150, 151*
Allodesmus	557
kernensis	558
Allodon	*377*
fortis	*378*
laticeps	*377*
Allodontidæ	*376*
Allognathosuchus	155
heterodon	155
polyodon	155
wartheni	155
Allomeryx	813
planiceps	813
Allomyidæ	905
Allomyini	*905*
Allomys	905
cavatus	905
hippodus	*905*
liolophus	*905*
multiplicatus	905
nitens	905
Allophagi	*188*
Allops	719
amplus	719
crassicornis	720

Page

Allops—*Continued*
scrotinus *720*
serotinus 720
walcotti 720
Allopus 2
arizonæ 2
littoralis 2
Allosauridæ *176*
Allosaurus *178, 181*
agilis *174*
fragilis *174*
lucaris *184*
medius *181*
Allotheria 368, *375*
allum (Leptaceratherium) 741
allus (Cænopus) *741*
alpestris (Alauda) *354*
alpestris (Eremophila) *354*
alpestris (Otocoris) 354
alpestris (Otocorys) *354*
alpha (Bathygenys) 777
Alphodon 391
marshi 391
alpina (Pelidna) 337
alpina (Tringa) 337
alpinus (Glaucomys) 875
alpinus (Sciuropterys) *875*
altarkansanus (Brachyrophus) 201
alternans (Didelphis) *393*
alternans (Peratherium) 393
Alticamelas *799*
Alticamelus 799
alexandræ 800
altus 800
giraffinus 800
leptocolon 800
priscus 800
procerus 800
alticeps (Lophiohyus) 754
alticeps (Uintatherium) 618
alticornis (Bison) *223*
alticornis (Ceratops) *228*
alticornis (Triceratops) 228
alticuspis (Diacodon) 431
altidens (Centetodon) 435
altidens (Didanodon) *211*
altidens (Didymictis) 482
altidens (Merycodus) 831
altidens (Pteropelyx) *211*
altidens (Scaptohyus) 763
altidens (Sciuravus) 909
altidens (Telmatherium) 714
altidens (Trachodon) 210
altidens (Viverravus) *482*
altigenis (Temnocyon) 506
Altippus *680*
taxus *682*
altiramis (Merycochœrus) *786*
altiramis (Pronomotherium) *786*
altiramum (Pronomotherium) 786
altiramus (Merycochœrus) *786*
altirostris (Symborodon) *717*
altispinax (Shastasaurus) *126*
altispinus (Hypacrosaurus) 217

Page

altispinus (Shastasaurus) 126
altispinus (Stegosaurus) *234*
altithorax (Brachiosaurus) 197
altus (Alticamelus) 800
altus (Amphicœlias) 200
altus (Astrodon) 193
altus (Coniornis) 280
altus (Dryosaurus) 206
altus (Hesperornis) *279*
altus (Laosaurus) *206*
altus (Meleagris) *330*
altus (Ornithomimus) 182
altus (Pleurocœlus) *193*
altus (Procamelus) *800*
altus (Struthiomimus) 182
altus (Toniornis) *279*
Aluco *351*
flammeus *351*
pratincola *348*
Aluconidæ *348*
amarorum (Eomoropus) 725
amarorum (Triplopus) *725*
ambarvalis (Spilogale) 534
ambiguus (Tetonius) 929
Ambloctonidæ *470*
Ambloctonus 473
coloradensis 473
hyænoides 473
priscus 473
sinosus 473
Amblonyx *12*
giganteus *12*
Amblotheriidæ *372*
Amblotherium 373
debile 373
gracile 373
Amblycastor 885
fluminis 885
Amblyctonus *473*
Amblyonyx *12*
giganteus *12*
lyellianus *12*
Amblyopus 2
pachypodus 2
Amblypeza 75
entellus 75
Amblypoda 608
Amblypodi *608*
Amblypodon *176*
Amblypus 2
dextratus 2
ambulator (Champsosaurus) 133
Amebelodon *634*
fricki *637*
Amebelodontidæ *622*
ameghini (Omomys) 926
ameghinoi (Omomys) *926*
carteri (Omomys) *926*
americæ (Elephas) *647*
americana (Alce) *827*
americana (Alces) 827
americana (Anas) *305*
americana (Antilocapra) 835
americana (Antilope) *835*
americana (Bos) *850*

	Page
americana (Castor)	887
americana (Fulica)	334
americana (Fuligula)	307
americana (Gavialosuchus)	149
americana (Mareca)	305
americana (Marila)	307
americana (Martes)	527
americana (Mazama)	822
americana (Mustela)	527
americana (Mycteria)	297
americana (Proviverra)	478
americana (Recurvirostra)	338
americana (Rupricapra)	841
americana (Sus)	851
americana (Taxidea)	535
americana (Tomistoma)	149
americanum (Hyotherium)	768
americanum (Mammut)	624
americanum (Megatherium)	405
americanum (Tomistoma)	149
americanus (Æpiacodon)	760
americanus (Alces)	827
americanus (Amphicyon)	511
americanus (Ancodon)	760
americanus (Ancodus)	760
americanus (Bison)	849
americanus (Bos)	849
americanus (Bothriodon)	760
americanus (Camelops)	807
americanus (Camelus)	807
americanus (Cariacus)	822, 829
americanus (Castor)	887
americanus (Cervalces)	826
americanus (Cervus)	826, 827
americanus (Corvus)	355
americanus (Dipus)	910
americanus (Dromomeryx)	816
americanus (Elephas)	625, 629, 644
americanus (Equus)	703
americanus (Euarctos)	520
americanus (Eucosmodon)	379
americanus (Gavialosuchus)	149
americanus (Grus)	331
americanus (Harlanus)	851
americanus (Hyopotamus)	760
americanus (Lepus)	863
americanus (Manatus)	659
americanus (Mastodon)	624, 647
americanus (Mergus)	309
americanus (Neophrontops)	323
americanus (Neoplagiaulax)	379
americanus (Odocoileus)	821
americanus (Olor)	301
americanus (Oreamnos)	841
americanus (Oreamnus)	841
americanus (Palæomeryx)	816
americanus (Palæonictis)	473
americanus (Peromyscus)	893
americanus (Phasianus)	328
americanus (Sitomys)	894
americanus (Tapirus)	731
americanus (Taurotragus)	839
americanus (Ursus)	520
americanus (Zygolophodon)	624
Aminippus	670
Aminippus—*Continued*	
agilis	670
sylvaticus	671
uintanus	671
Ammobatrachus	2
montanensis	2
turbatans	2
Ammodon	765, 766
bathrodon	765
leidyanus	766
leidyanum	766
potens	765
Ammopus	2
marshi	2
Ammosauridæ	170
Ammosaurus	171
maior	171
major	171
amnicola (Amphicyon)	511
amnicola (Platypeltis)	112
amnicola (Pliocyon)	511
amnigenis (Aspideretes)	108
Amphibia	26
squamata	26
amphibius (Arvicola)	898
amphibius (Microtus)	898
Amphicænopus	742
simplicidens	743
platycephalus	742
Amphichelonoidea	69
Amphichelidea	69
Amphichelyda	69
Amphichelydia	69, 74
Amphichelydidæ	69
Amphichelyia	69
Amphichelyidæ	69
Amphichelydii	69
Amphicœlias	200
altus	200
fragillimus	200
latus	201
Amphicœlus	201
latus	201
Amphicotylus	146
lucasii	146
Amphictididæ	481
Amphicyon	505, 510
americanus	511
amnicola	511
angustidens	490
cuspigerus	506
entoptychi	506
frendens	511
gigas	511
gracilis	491
hartshornianus	505
idoneus	511
ingens	511
reinheimeri	511
sinapius	511
superbus	508, 511
ursinus	513
vetus	505
vitus	505
vulpinus	485

	Page
Amphicyoninæ	508
Amphidon	371
æquicrurius	371
superstes	371
Amphidontidæ	371
Amphiemys	90
oxysternum	90
Amphilestidæ	*370*
Amphilestinæ	370, *372*
Amphimorphæ	*293*, *297*
Amphisauridæ	*170*
Amphisaurus	*170*
Amphisbæna	*249*
Amphisbænia	*249*
Amphisbænida	*250*
Amphisbænidæ	249
Amphisbænina	*249*
Amphisbænoidea	*249*
Amphitheriidæ	374
amphithorax (Testudo)	104
Amphycyon	*510*
amplexus (Epanterias)	192
amplidens (Ursus)	519
amplus (Allops)	719
amplus (Apatosaurus)	*196*
amplus (Aublysodon)	*180*
amplus (Brontosaurus)	196
amplus (Camptomus)	382
amplus (Camptosaurus)	205
amplus (Deinodon)	*180*
amplus (Diploclonus)	*720*
amplus (Gymnogyps)	312
amplus (Megacerops)	*719*
amplus (Tyrannosaurus)	180
Amyda	110
æqua	110
buiei	110
cariosa	110
cellulosa	111
concentrica	111
crassa	111
egregia	111
eloisæ	111
exquisita	111
franciscæ	111
halophila	111
lima	111
mira	111
nelsoni	111
pennata	931
prisca	111
radula	111
salebrosa	111
scutumantiquum	111
tritor	111
uintaënsis	111
ventricosa	111
virginiana	112
Amynodon	737
advenus	737
antiquus	737
erectus	737
intermedius	737
Amynodontidæ	737
Amynodontinæ	737

	Page
Anacodon	461
cultridens	464
ursidens	464
Anamodon	*439*
snyderi	*439*
Anancus	630
antiquissimus	632
arizonæ	633
arvernensis	*630*
bensonensis	630
braziosus	*630*
brazosius	630
deflocatus	631
edensis	631
felicis	631
gratus	631
hicksi	631
humboldtii	631
hyodon	631
intermedius	632
oligobunis	632
orarius	632
progressus	632
shepardi	639
successor	632
tropicus	632
Anaptogonia	*899*, 900
cloacina	*899*
hiatidens	900
Anaptomorpha	*928*
Anaptomorphidæ	*447*
Anaptomorphinæ	925
Anaptomorphus	*445*, *754*, 927
abbotti	*928*
æmulus	928
angulatus	*449*
homunculus	*929*
insignis	*927*
minimus	928
minutus	*435*
speirianus	*445*
uintensis	*924*
Anas	*302*, 304
albeola	*307*
americana	*305*
boscas	*304*
boschas	*304*
canadensis	*302*
carolinensis	*305*
collaris	*307*
clypeata	*306*
cyanoptera	*306*
discors	*306*
histrionica	*308*
hyemalis	*307*
islandica	*308*
jamaicensis	*308*
marila	*307*
nivalis	*303*
perspicillata	*308*
platyrhynchos	304, *305*
sponsa	*306*
stelleri	*308*
strepera	*305*
Anaspida	*28*

	Page
Anatidæ	299
Anatiformes	299
Anatinæ	304
Anatoidæ	299
Anatoidea	*299*
anax (Coryphodon)	615
anceps (Anchitherium)	*676*
anceps (Canis)	498
anceps (Glyptosaurus)	*250*
anceps (Graculavus)	*282*
anceps (Ichthyornis)	282
anceps (Kalobatippus)	*676*
anceps (Oreonetes)	755
anceps (Mesohippus)	*676*
anceps (Miohippus)	676
anceps (Notharctus)	922
anceps (Oracodon)	381
anceps (Oreonetes)	755
anceps (Ototriton)	250
anceps (Thinolestes)	*922*
anceps (Tinoceras)	*618*
anceps (Uintatherium)	618
Anchiceratops	226
ornatus	226
Anchiosaurus	*170*
Anchisauridæ	170
Anchisaurus	170
Anchippodontidæ	855
Anchippodus	*680*, 855
minor	*855*
riparius	855
vetulus	*855*
Anchippus	*680*
brevidens	681
pachyops	689
texanus	*682*
Anchisauridæ	170
Anchisauripodidæ	1
Anchisauripus	2
danæus	3
exsertus	3
expansus	*11*
hitchcocki	3
hitchcockii	*3*
minusculus	3
parallelus	3
sillimani	*3*
tuberatus	3
tuberosus	3
Anchisaurus	170
cœlurus	*171*
colurus	171
major	*171*
polyzelus	*169*
solus	171
Anchisodon	735
quadriplicatus	735
tubifer	*743*
Anchitheridæ	*666*, *672*
Anchitheriinæ	672
Anchitherium	*672*, *676*, 677
affine	679
agatense	678
agreste	681
bairdi	*673*
Anchitherium—*Continued*	
celer	*674*
cognatum	*681*
equinum	*679*
gracile	678
minimum	*682*
præstans	678
ultimum	*683*
Anchylosauridæ	*237*
Anchylosaurus	*238*
magniventris	*238*
Ancodon	*759*, *760*
americanus	*760*
brachyrhynchus	*759*
leptodus	*760*
rostratus	*760*
Ancodus	*759*
brachyrhynchus	*760*
Ancylocentrum	261
overtoni	261
Ancylopoda	660
Ancylosauria	237
Ancylosauridæ	*237*
Ancylosaurus	*238*
magniventris	*238*
Ancyropus	3
heteroclitus	3
andersoni (Canis)	498
andersoni (Machæroprosopus)	144
andersoni (Poëbrotherium)	794
andicus (Mastodon)	*632*
andium (Anancus)	*632*
andium (Cordillerion)	*631*
andium (Dibelodon)	*632*
andium (Mastodon)	*631*
andium (Tetrabelodon)	*631*
andium (Tetralophodon)	*632*
anemofilus (Vesperugo)	*455*
anemophilus (Pipistrellus)	455
anex (Coryphodon)	*615*
Angistorhinus	143
gracilis	143
grandis	143
maximus	143
Anguidæ	253
Anguiformes	248
anguillulata (Terrapene)	*99*
Anguimorpha	*250*
anguinea (Helcura)	14
Anguioidæ	250
Anguioidea	*250*
Anguis	*24*, *253*
anguirivale (Gomphotherium)	635
anguirivale (Rhynchotherium)	*639*
anguirivalis (Serridentinus)	*635*
angulatus (Chriacus)	*725*
angulatus (Colodon)	*725*
angulatus (Cynodontomys)	449
angulatus (Mylagaulodon)	*907*
angulatus (Mylagaulus)	907
angulatus (Ogmophis)	268
angulatus (Pelycodus)	*449*
anguliferus (Sironectes)	264
angusta (Lytoloma)	76
angusta (Plectropterna)	19

	Page
angusticeps (Captorhinus)	40
angusticeps (Pariotichus)	*40*
angusticeps (Testudo)	104
angustidens (Amphicyon)	*490*
angustidens (Cynodictis)	490
angustidens (Cynodontomys)	449
angustidens (Daphœnus)	*490*
angustidens (Dromomeryx)	819
angustidens (Entomacodon)	435
angustidens (Eohippus)	668
angustidens (Mastodon)	*636*, 638
angustidens (Megacerops)	*720*
angustidens (Mustela)	528
angustidens (Orohippus)	*668*, *669*
angustidens (Procamelus)	*801*
angustidens (Protolabis)	801
angustidens (Putorius)	*528*
angustigenis (Megacerops)	720
angustus (Elomeryx)	759
angustus (Haploconus)	611
angustus (Ornithomimipus)	16
angustus (Ornithomimus)	*16*
angustus (Tarsoplectrus)	*19*
Anicanodonta	*408*
Animalivora	*453*
Animasaurus	36
carinatus	36
Anisacodon	*426*
elegans	*426*
Anisichnus	*8*
Anisonchinæ	611
Anisonchus	611
gillianus	611
mandibularis	*611*
sectorius	611
Anisopus	*8*
deweyanus	*8*
gracilior	*8*
gracilis	*8*
Ankylosauria	*237*
Ankylosauridæ	237
Ankylosaurinæ	*237*
Ankylosaurus	*207*, *232*, 238
magniventris	238
annæ (Testudo)	102
annectans (Claosaurus)	*212*
annectans (Microsyops)	450
annectans (Aceratherium)	*744*
annectens (Bathrodon)	450
annectens (Cænopus)	*744*
annectens (Champsosaurus)	133
annectens (Claosaurus)	*212*
annectens (Cœnopus)	*744*
annectens (Corvus)	*356*
annectens (Diceratherium)	744
annectens (Eomoropus)	725
annectens (Fiber)	901
annectens (Hylomeryx)	754
annectens (Isectolophus)	727
annectens (Mesohippus)	*676*
annectens (Miohippus)	676
annectens (Nothocyon)	492
annectens (Ondatra)	901
annectens (Protagriochœrus)	776
annectens (Tinoceras)	*618*
annectens (Trachodon)	*212*
annectens (Uintatherium)	618
annexa (Alamosemys)	91
annexus (Adocus)	*91*
annexus (Synaptomys)	899
annulatum (Thinotherium)	776
Anomalopus	4
sturdevanti	4
anomalus (Desmospondylus)	*31*
anomalus (Palamopus)	18
Anomodon	439
snyderi	439
Anomodonta	*61*
Anomodontia	61, 62
Anomodontoidea	*62*
Anomœpodidæ	1
Anomœpus	4
crassus	4
culbertsonii	4
cuneatus	4
curvatus	4
gallinuloides	4
giganteus	4
gracillimus	4
intermedius	4, *5*
isodactylus	4
major	4
minimus	4
minor	*5*
scambus	5
anonymum (Trinacromerum)	117
Anoplonassa	584
forcipata	584
Anoplotheriidæ	757
Anoplotheriinæ	*757*
Anoplotherium	*757*
Anosteira	92, *113*
ornata	93
radulina	93
trionychoides	*113*
Anosteiridæ	92
Anosteirinæ	*92*
Anostira	*92*, *106*, *113*
molopinus	*106*
œdemius	*106*
trionychoides	*113*
Anser	302
albifrons	303
condoni	303
gambeli	*303*
gambelli	303
hypsibatus	302
Anseres	*299*, *301*
Anseridæ	*300*, *301*
Anseriformes	*299*, *300*
Anserinæ	301
anthonyi (Hipparion)	692
anthracinus (Eumeces)	249
anthracinus (Plestiodon)	*249*
Anthracopus	5
ellangowensis	5
Anthracotheriidæ	758
Anthracotherinæ	*758*
Anthracotheriinæ	758
Anthracotherioidea	*758*

	Page
Anthracotherium	758
curtum	*759*
gibbiceps	*759*
karense	758
pygmæum	759
Anthropiformes	930
Anthropoidæ	*930*
Anthropoidea	*930*
Anthropomorpha	*930*
Anthropomorphidæ	*930*
Antiacodon	754, *926*
furcatus	*755*
nanus	*926*
venustus	754
Anticheiropus	5
hamatus	5
pilulatus	5
antigua (Hyporhina)	*250*
antigua (Hypsorhina)	*250*
Antilocapra	835
americana	835
furcifer	*835*
Antilocapridæ	834
Antilocaprinæ	*834*
Antilope	*831*, *835*
americana	*835*
furcata	*831*
Antilopidæ	*838*
Antilopina	*838*
Antilopinæ	838
antilopinus (Dromomeryx)	819
antilopinus (Blastomeryx)	*819*
antilopinus (Palæomeryx)	816
antipex (Terrapene)	*98*
Antipus	5
bifidus	5
flexiloquus	5
antiqua (Aquila)	318
antiqua (Baëna)	71
antiqua (Catarractes)	*343*
antiqua (Hyporhina)	250
antiqua (Hypsorhina)	*250*
antiqua (Meleagris)	329
antiqua (Minerva)	352
antiqua (Platypeltis)	112
antiqua (Thecachampsa)	*153*
antiqua (Uria)	343
antiquior (Batrachoides)	7
antiquior (Palæosauropus)	17
antiquior (Sauropus)	*17*
antiquissimus (Anancus)	632
antiquissimus (Dibelodon)	*632*
antiquissimus (Mastodon)	*632*
antiquum (Halitherium)	656
antiquum (Ischyrotherium)	122
antiquus (Agriochœrus)	777
antiquus (Amynodon)	737
antiquus (Bassariscus)	516
antiquus (Bison)	849
antiquus (Cœlosaurus)	181
antiquus (Crocodilus)	*153*
antiquus (Crocodylus)	153
antiquus (Cteniogenys)	256
antiquus (Ischyrosaurus)	*122*
antiquus (Lutreola)	529
antiquus (Manatus)	*656*
antiquus (Meleagris)	*329*
antiquus (Perchœrus)	768
antiquus (Peromyscus)	893
antiquus (Probassariscus)	*516*
antiquus (Prælimnocyon)	473
antiquus (Sarcothraustes)	466
antiquus (Synthliboramphus)	344
antiquus (Theretairas)	135
antiquus (Thinohyus)	*768*
antiquus (Thinopus)	22
antiquus (Thryptacodon)	462
antiquus (Tinopus)	*22*
antiquus (Trichechus)	*656*
antium (Mastodon)	*631*
Antrodemus	173, *184*
fragilis	*174*
lucaris	*184*
medius	*178*
sulcatus	174
trihedrodon	174
valens	174, *184*
Antrozous	455
pacificus	455
pallidus	455
Apatemydæ	*445*
Apatemydidæ	*445*
Apatemyidæ	*445*
Apatemys	445
bellulus	445
bellus	445
rodens	445
Apatichnus	*4*, 5
bellus	*8*
circumagens	5
crassus	*4*
holyokensis	5
minor	5
Apatodon	201
mirus	201
Apatodonsaurus	128
grayi	128
Apatomerus	164
mirus	164
Apatomydæ	*445*
Apatomyidæ	*445*
Apatornis	282
celer	282
Apatornithidæ	*281*
Apatosauridæ	*194*
Apatosaurus	194, *195*, *196*
ajax	195
amplus	*196*
excelsus	*196*
grandis	*191*
laticollis	195
louisæ	195
minimus	195
montanus	*194*
apertus (Centrosaurus)	224
apertus (Hyracodon)	736
Aphalops	*746*
brachyodus	*746*
Aphanolemur	924
gibbosus	924

Page

Apheliscidæ 450
Apheliscus 450
insidiosus 450
Aphelophis 268
talpivorus 268
Aphelops *745*, 746, *749*
brachyodus 746
ceratorhinus 746
crassus 747
fossiger *749*
jemezanus 747
longipes 747
malacorhinus 747
matutinus 747
megalodus 747
meridianus 747
montanus 747
mutilus 747
oregonensis *745*
planiceps 747
prŏfectus 747
superciliosus *748*
aphobus (Ælurodon) 495
apiculatus (Oxyacodon) 603
Aplocerus *840*
montanus *841*
Aploconodon 370
comoënsis 370
Aplodontia 906
alexandræ *906*
californica 906
fossilis 906
major 906
rufa 906
Aplodontiidæ 905
Aplodontiinæ *906*
Aplodontinæ *906*
Aplodontoideà *906*
appalachianus (Palæoctonus) 171
appalachicolus (Ovibos) 845
approximatum (Brontozoum) *11*
approximatus (Eubrontes) 11
Apternodontidæ 426
Apternodontinæ *426*
Apternodus 426
mediævus 427
aptus (Crocodilus) *153*
aptus (Crocodylus) 153
aquaticus (Scalops) *438*
aquaticus (Scalopus) 483
aquaticus (Sorex) *438*
Aquila *317*, 318
antiqua 318
chrisaëtus *318*
chrysaëtos 318
danana *317*
ferox 318
haliæetus *319*, *321*
lydekkeri 318
pliogryps 318
sodalis 319
Aquilæ *315*
Aquilidæ *315*
Aquilinæ *315*
aquilunguis (Dryptosaurus) 178

Page

aquilunguis (Lælaps) *178*
Arachnichnus 5
dehiscens 5
Aræocyon 507
marshi 507
Aræoscelia *240*
Aræoscelidæ 240
Aræoscelidia *240*
Aræoscelis *37*, 240
gracilis *37*, 241
Aræosceloidea 240
Aræoscelomorphi 240
Aramidæ 332
Araminæ *332*
Aramornis 332
longurio 332
Aramus *332*
aransas (Camelops) 803
arapahovius (Camelodon) 793
arcamœnus (Calamodon) 400
Archælurus *543*
debilis *543*
major *543*
Archæobellus *60*
Archæobelus 60
vellicatus 60
Archæobolis *60*
Archæoceti *567*
Archæodelphis 578
patrius 578
Archæohippus *680*
agrestis 681
mourningi *682*
penultimus *682*
ultimus *682*, 683
Archæolagus 866
ennisianus 866
Archæopteridæ *276*
Archæopterygidæ *276*
Archæopterygiformes *276*
Archæopterygomorphi 276
Archæopteryx 276
Archæornithes *276*
Archæosauria *130*
Archæotherium *762*, 763
coarctatum 763
clavum 763
clavus *763*
crassum 763
darbyi 763
imperator *762*
ingens 764
marshi 764
mortoni *763*, 764
robustum 764
scotti 764
superbum *762*
wanlessi 764
Archæotrigon 372
brevimaxillus 372
Archelon 79
ischyros 79
marshi 79
Archeopteryx *277*
Archeria 45

	Page
Archeria—*Continued*	
robinsoni	45
Archibuteo	316
ferrugineus	316
Archidiscodon	*647*
imperator	*647*
Archidiskodon	*640*
columbi	*646*
imperator	*647*
maibeni	*648*
Archornithidæ	*276*
Archornithiformes	*276*
Archosauria	*130*
arcidens (Hyracodon)	736
arcta (Exocampe)	12
arctatus (Cionodon)	214
arcticos (Rangifer)	*824*
arcticus (Gulo)	*531*
arcticus (Rangifer)	824
arcticus (Rosmarus)	560
Arctitherium	*521*
arctoamericanus (Camelus)	807
Arctocynidæ	*463*
Arctocyon	463
Arctocyonidæ	463
Arctocyonoidæ	459
Arctodon	*521*
Arctodus	*521*, 522
haplodon	523
pristinus	523
simus	*521*
yukonensis	522
Arctoidea	*488*
Arctoidei	*488*
Arctomis	*870*
empetra	*871*
Arctomydæ	*868*
arctomyoides (Parasciurus)	*874*
arctomyoides (Sciurus)	874
Arctomys	*870*
beecheyi	*872*
douglasii	*871*
flaviventer	*870*
grammurus	*871*
ludovicianus	*872*
minor	*871*
monax	*871*
nevadensis	*871*
vetus	*868*
Arctoryctes	429
terrenus	429
arctos (Ursus)	*520*
Arctosaurus	172
osborni	172
Arctostylopidæ	660
Arctostylops	660
steini	660
Arctotherinæ	*521*
Arctotherium	521
californicum	521
haplodon	*523*
pristinum	*523*
simum	521
yukonense	522
arctus (Barillopus)	6
arcuatus (Dryolestes)	*373*
arcuatus (Herpetairus)	373
arcuatus (Stegomus)	139
Ardea	294, *332*
canadensis	*332*
herodias	294
mexicanus	*332*
paloccidentalis	295
sellardsi	295
Ardeæ	*293*, *294*
Ardeidæ	294
Ardeiformes	*293*
Ardeinæ	*294*
Ardeoidæ	293
Ardeoidea	*293*
ardetta (Eocœrnis)	295
arenaria (Hybemys)	*96*
arenarius (Merychyus)	*787*
arenarum (Camelops)	803
arenarum (Merychyus)	787
arenarum (Ogmophis)	268
arenivaga (Testudo)	102
arenosa (Baëna)	71
Areocelis	*240*
gracilis	*241*
Areoscelidæ	*240*
arethusa (Echmatemys)	95
argentatus (Larus)	340
Argoides	6
isodactylatus	*6*
isodactyletus	6
macrodactylatus	*6*
macrodactylus	*6*
macrodactylotus	6
minimus	6
redfieldianus	6
redfieldii	*6*
robustus	6
Argozoum	*6*
disparidigitatum	*6*
paridigitatum	*6*
redfieldianum	*6*
Argyrocetus	591
arikarense (Diceratherium)	*745*
arizonæ (Allopus)	2
arizonæ (Eligmodontia)	893
arizonæ (Glyptotherium)	633
arizonæ (Marmota)	870
arizonense (Cinosternum)	*93*
arizonense (Kinosternon)	93
arizonensis (Mustela)	528
arizonensis (Putorius)	528
arizonica (Bos)	*851*
armatum (Diceratherium)	744
armatus (Coryphodon)	615
armatus (Elomeryx)	759
armatus (Heptacodon)	*759*
armatus (Omosaurus)	*234*
armatus (Perognathus)	*880*
armatus (Stegosaurus)	234
armbrusteri (Canis)	498
Arretotherium	759
acridens	759
Arrhinoceratops	221
brachyops	221

	Page
Arribasaurus	48
navajoicus	49
arrodens (Marmota)	870
Artiodactyla	750
Artiodactylus	6
sinclairi	6
Artionychia	*776*
Artionyx	*776*
Arvicola	*896*
amphibius	*898*
borealis	*899*
californica	*897*
gapperi	*899*
longirostris	*898*
montana	*899*
mordax	*898*
pinetorum	*900*
richardsoni	*898*
Arvicolidæ	*896*, 897
Arvicolinæ	*896*
Arvicolini	*896*
Ascalabota	*245*
Ascalabotæ	*245*
Asinus	*703*
calobatus	*703*
asinus (Equus)	*709*
Asio	*349*, 351
accipitrinus	*351*
flammeus	351
otus	*349*
wilsonianus	351
asio (Megascops)	*349*
asio (Otus)	349
asio (Scops)	*349*
Asionidæ	*349*
Asioninæ	*349*
asper (Palæoscincus)	236
Asperipes	6
avipes	6
caudifer	6
flexilis	6
Aspiderestes	*108*
Aspideretes	108
allani	108
amnigenus	108
austerus	108
beecheri	108
coalescens	108
ellipticus	108
fontanus	108
foveatus	108
grangeri	109
granifer	109
guttatus	109
lancensis	109
latus	109
maturus	109
nassau	109
perplexus	109
puercensis	109
quadratus	109
reesidei	109
sagatus	109
singularis	109
splendidus	109
Aspideretes—*Continued*	
subsquadratus	109
vagans	109
vegetus	110
vorax	110
Aspidonectes	*110*, *112*
tritor	*111*
assiniboiensis (Megacerops)	720
assiniboiensis (Mesohippus)	673
assurgens (Microclænodon)	466
Astatoglyptica	64
Asthenodon	*372*
segnis	*373*
Astrodon	193
altus	193
johnstoni	193
montanus	193
nanus	193
astutus (Barraris)	*516*
astutus (Bassaris)	*516*
astutus (Bassariscus)	516
astutus (Opisthotomus)	*605*
astutus (Phenacodus)	605
atascosæ (Gopherus)	101
atascosæ (Testudo)	*101*
atavus (Orohippus)	671
atavus (Parahippus)	682
atavus (Prolimnocyon)	473
Atheca	*67*
Athecæ	67
Athene	*350*
whitneyi	*350*
Athya	*307*
marila	*307*
atlantica (Sula)	*291*
atlanticus (Basilosaurus)	*581*
atlanticus (Hypocetus)	597
atlanticus (Squalodon)	581
Atlantochelys	78
mortoni	78
Atlantosauridæ	*189*, 194
Atlantosaurus	194
immanis	194
montanus	194
Atremata	28, *45*
atropius (Belosphys)	589
atropius (Ixacanthus)	*589*
atropius (Priscodelphinus)	*590*
atrox (Creosaurus)	175
atrox (Crotalus)	271
atrox (Felix)	*552*
attenuatus (Loxolophus)	460
attenuatus (Polymastodon)	383
attenuatus (Protochriacus)	*460*
atticornis (Triceratops)	*228*
atwateri (Paramys)	902
Aublysodon	*176*
amplus	*180*
cristatus	*180*
explanatus	*181*
lateralis	*177*
mirandus	*177*
Aublysodontinæ	*176*
Auchenia	*797*, *803*, *808*
californica	*803*

	Page
Auchenia—*Continued*	
castilli	*797*
hesterna	*803*
huerfanensis	*803*
major	*798*
minima	*798, 799*
minor	*799*
vitakeri	*803*
vitakerianus	*803*
auduboni (Lepus)	*864*
auduboni (Polyborus)	*321*
auduboni (Sylvilagus)	*864*
audubonii (Lepus)	*864*
audubonii (Polyborus)	*321*
audubonii (Sylvilagus)	864
augustus (Felis)	552
augustus (Machærodus)	*552*
aulacodon (Carpodaptes)	925
aulacodus (Palæoctonus)	*172*
aulacodus (Suchoprion)	172
Aulaxodon	*408*
Aulophyseter	597
morricei	597
aura (Catharista)	*311*
aura (Cathartes)	311
auritus (Agriochœrus)	777
auritus (Cervus)	*821*
auritus (Colymbus)	285
auritus (Podiceps)	*285*
auritus (Podicipes)	*311*
aura (Vultur)	108
austerus (Aspideretes)	*898*
austerus (Microtus)	133
australis (Champsosaurus)	681
australis (Hypohippus)	*632*
australis (Mastodon)	*681*
australis (Miohippus)	681
australis (Parahippus)	438
australis (Scalops)	847
australis (Symbos)	899
australis (Synaptomys)	486
australis (Vulpavus)	*248*
Autarchoglossa	*243*
Autosauri	272
Aves	533
avia (Mephitis)	6
avipes (Asperipes)	344
avus (Nautilornis)	*743*
avum (Diceratherium)	743
avus (Cænopus)	*720*
avus (Diplacodus)	*720*
avus (Megacerops)	*681*
avus (Merychippus)	681
avus (Parahippus)	*681*
avus (Protohippus)	720
avus (Teleodus)	110
Axestemys	*110*
byssinus	*110*
Axestus	*110*
byssinus	501
ayersi (Ænocyon)	*501*
ayersi (Canis)	*31*
babylorensis (Seymouria)	*864*
bachmani (Lepus)	864
bachmani (Sylvilagus)	

	Page
Baëna	71
antiqua	71
arenosa	71
callosa	71
cephalica	*72*
clara	71
emiliæ	71
escavada	71
gigantea	71
hatcheri	71
hayi	71
hebraica	*73*
inflata	71
marshi	71
nodosa	71
platyplastra	71
ponderosa	*92*
pulchra	*73*
riparia	71
sima	71
undata	*73*
Baënidæ	71
Baëninæ	71
baereckeii (Globicephala)	587
baereckeii (Globicephalus)	*587*
baileyanus (Trianopus)	22
baileyi (Trianopus)	*22*
bairdi (Anchitherium)	*673*
bairdi (Mesohippus)	673
bairdi (Miohippus)	*673*
bairdi (Palæotherium)	*673*
bairdianus (Hyrachyus)	733
bairdii (Mesohippus)	*673*
Balæna	*573*, 577
affinis	578
boops	*576*
longimana	*576*
nodosa	*576*
palæatlanticus	573
prisca	*572*
Balænida	*576*
Balænidæ	576
Balænina	*576*
Balæninæ	*577*
Balænini	*577*
Balænodon	598
physaloides	598
Balænoidæ	573
Balænoidea	*571, 577*
Balænoptera	574, *598*
boops	*576*
physalus	*576*
polyporum	575
ryani	575
sursiplana	575
Balæopterida	*573*
Balænopteridæ	573
Balænopterinæ	574
Balænopterini	*574*
Balænula	578
Balanada	*576*
baldwini (Chriacus)	461
baldwini (Elcabrosaurus)	51
baldwini (Elcobrasaurus)	*51*
baldwini (Hemithlæus)	*608*
ballardi (Lophotherium)	*671*

	Page
ballardi (Lophiotherium)	*671*
ballardi (Orohippus)	671
ballensis (Mesogaulus)	907
ballensis (Mylagaulus)	*907*
ballovianus (Parasciurus)	*904*
ballovianus (Prosciurus)	904
ballovianus (Sciurus)	*904*
bannackensis (Ticholeptus)	789
Baptanodon	*127*
discus	*127*
marshi	*127*
natans	*128*
reedi	*128*
robustus	*128*
Baptanodontia	*127*
Baptanodontidæ	*127*
Baptanodontinæ	*127*
Baptemys	92
costilatus	*92*
fluviatilis	92
tricarinata	92
wyomingensis	92
Baptornis	279
addenus	*279*
advenus	279
Baptosaurus	264
fraternus	264
onchognathus	264
platyspondylus	264
barbata (Phoca)	*565*
barbatus (Erignathus)	565
barbouri (Chalicomys)	882
barbouri (Gomphotherium)	635
barbouri (Morrillia)	*635*
barbouri (Steneofiber)	*882*
barbouri (Tetralophodon)	*635*
barcenæi (Equus)	703
barcenai (Equus)	*703, 709*
Barillopus	6
arctus	6
confusus	6
unguifer	6
Baropezia	7
abscissa	7
eakini	7
sydnensis	7
Baropus	*6*, 7
coconinoënsis	7
lentus	7
unguifer	*6*
Barornis	283
regens	284
Barosauridæ	*197*
Barosaurus	*199*, 200
affinis	200
lentus	200
barratii (Sauropus)	20
barstowensis (Hemicyon)	512
Barypodus	7
metszeri	7
palmatus	7
tridactylus	7
Bascanion	*269*
acuminatus	*269*
constrictor	*269*
basifissus (Alligator)	*149*
basifissus (Crocodylus)	*149*
basifissus (Thoracosaurus)	149
basilatus (Enhydrocyon)	507
basilatus (Hyænocyon)	*507*
Basilemys	88
imbricarius	88
nobilis	88
ogmius	88
præclarus	88
sinuosus	88
variolosa	*88*
variolosus	88
Basilosauridæ	569
Basilosaurus	*568*, 569
atlanticus	*581*
brachyspondylus	570
cetoides	570
kochii	*570*
macrospondylus	*570*
basitruncatus (Holops)	*149*
basitruncatus (Thoracosaurus)	149
Bassaridida	*513*
Basarris	*515, 516*
astutus	*516*
raptor	*516*
Bassariscidæ	515
Bassariscinæ	*515*
Bassariscoidæ	515
Bassariscus	515
antiquus	516
astutus	516
matthewi	516
nevadensis	*516*
oregonus	*516*
parvus	516
raptor	516
Bassarisinæ	*515*
Bassariscops	516
willistoni	516
Bathiopsis	*617*
Bathmodon	*614*
cuspidatus	*615, 616*
elephantopus	*615*
latidens	*615*
latipes	*616*
lomas	*616*
molestus	*616*
radians	*616*
semicinctus	*616*
simus	*616*
bathmodon (Pantolambda)	613
bathmodon (Protolambda)	*613*
Bathmodontidæ	*614*
Bathornis	339
caviricius	613
veredus	339
Bathornithinæ	339
Bathrodon	*450*
annectens	*450*
typus	*450*
bathrodon (Ammodon)	*765*
bathrodon (Elotherium)	*765*
bathrodon (Pelonax)	765
Bathygenys	779

Page

Bathygenys—*Continued*
alpha 779
Bathyglyptus 45
theodori 45
Bathygnathus 56
borealis 56
bathygnathus (Lophiodon) 851
bathygnathus (Miacis) *484*
bathygnathus (Miocyon) *484*
bathygnathus (Uintacyon) 484
Bathyopsidæ *617*
Bathyopsis *615*, 617
fissidens 617
pachypus *615*
Batodon 392
tenuis 392
Batrachichnus 7
celer 7
delicatulus 7
jacksonensis 7
obscurus 7
plainvillensis 7
Batrachioidichnites *8*
deweyi *8*
Batrachites 7
plainvillensis 7
Batrachoides 8
antiquior 8
nidificans 8
Batrachopodidæ 1
Batrachopus 8
bellus 8
deweyanus 8
deweyi *8*
dispar 8
gracilior 8
gracilis 8
baudistensis (Equus) *703*
baueri (Neurankylus) 70
bauri (Cœlophysis) 186
bauri (Tanystropheus) *186*
bauri (Toxochelys) 86
bautistensis (Equus) 703
baylorensis (Seymouria) 30
beata (Emys) *89*
beatus (Adocus) 89
bebbi (Felis) 552
beecheri (Aspideretes) 108
beecheyi (Arctomys) *872*
beecheyi (Citellus) 871
Belemnoziphius 583, *584*
compressus *583*, *585*
prorops 583
recurvus *585*
bella (Palæospiza) 359
bella (Tringa) 332
belli (Ceratops) *223*
belli (Chasmasaurus) *223*
belli (Chasmosaurus) 223
belli (Chrysemys) 96
belli (Emys) *96*
belli (Monoclonius) *223*
belli (Protorosaurus) *223*
Bellona *11*, *12*
gigantea *11*, *12*

Page

bellulus (Apatemys) 445
bellus (Aletornis) 332
bellus (Apatemys) 445
bellus (Apatichnus) *8*
bellus (Batrachopus) 8
bellus (Cimolomys) 381
bellus (Tinodon) 371
Belodon *142*
buceros *144*
carolinensis *142*
leaii *142*, *145*
lepturus *142*
priscus *145*
scolopax *142*
validus *143*, *145*
Belodonti *140*
Belodontia *140*, *141*
Belodontidæ *141*
Belosphys 590
conradi 590
spinosus 590
Beluga *593*, *594*
catodon *593*, *594*
leucas *594*
vermontana *594*
Beluginæ *586*, *593*
belviderensis (Glyptops) 70
belviderensis (Plesiochelys) *70*
bendirei (Otus) 349
benedentatus (Procamelus) 797
benjamini (Lepus) 863
bensoni (Citellus) 869
bensoni (Cratogeomys) 880
bensoni (Onychomys) 892
bentonianum (Trinacromerum) 117
beresovkius (Elephas) *649*
Bernicla 301
canadensis 302
hutchinsi 302
Berycynthia *6*
redfieldii *6*
biacros (Phytosaurus) *144*
bicalcaratus (Platygonus) 772
bicarinata (Hoplochelys) 91
bicarinatus (Dysganus) 215
Biceros *739*
bicornutus (Megacerops) 720
bicornutus (Metahyrachyus) 734
bicornutus (Teleoceras) *750*
biculminatus (Diadectes) 34
biculminatus (Triisodon) *465*
bicuspis (Ælurotherium) *472*
bicuspis (Palæictops) 431
bicuspis (Paramys) *902*
bicuspis (Sarcolemur) 755
bifidus (Antipus) 5
bifurcatus (Hyloidichnus) 14
bilobata (Bipezia) 8
bilobatum (Chalicotherium) 661
Bimana *917*
Bipinnata *565*
biscuspis (Ælurotherium) *472*
biscuspis (Patriofelis) *471*
Bison 848
alleni 849

Page

Bison—*Continued*
alticornis *228*
americanus *849*
antiquus 849, *851*
bison 849
chaneyi 850
crampianus *849*
crassicornis 850, *851*, *852*
curvicornis *852*
ferox *851*
figginsi 853
kansensis *851*
laticornis *849*
latifrons *849*, 851, 852
occidentalis 851
pacificus 852
priscus *849*
regius 852
scaphoceras *848*
sylvestris 852
taylori 852
texanus 852
willistoni *849*
bison (Bison) 849
bison (Bos) *850*
Bisoninæ *847*
Bisontinæ *848*
bisornata (Trachemys) 97
bisulcatus (Esthonyx) 854
bisulcatus (Geomys) 879
bisulcus (Triconodon) *369*
bisulcus (Trioracodon) 369
biturgidus (Polydectes) 158
blackbergi (Miohippus) 676
blairi (Tanyorhinus) 716
Blarina 442
brevicauda 442
carolinensis *442*
floridana *442*
ozarkensis 442
peninsulæ 442
simplicidens 442
Blastoceras *823*
Blastocerus 823
extraneus 823
Blastomeryx 817
advena 818
adventa *818*
antilopinus *819*
borealis *819*
elegans 818
gemmifer 818
marshi 818
medius 818
mollis 818
olcotti 818
orcotti *818*
primus 818
riparius 819
scotti 819
sinclairi 819
vigoratus 819
wellsi 819
blayneyi (Uintacolotherium) 619
Boa *268*

Page

Boavus 268
agilis 268
brevis 268
occidentalis 268
Boidæ 267
Boina *267*
Boinæ *267*
Bolbodon 35
tenuitectus 35
Bolodon *376*
Bolodontidæ *376*
Bolosauridæ 36
Bolosaurus 37
major 37
rapidens *35*
striatus 37
bombifrons. (Boötherium) 846
bombifrons (Bos) *846*
bombifrons (Deinictis) 541
bombifrons (Dinictis) *541*
bombifrons (Ovibos) *846*
Bonasa 325
umbellus 325
Boöchœrus 765
humerosus 765
Boödontia *833*, *836*
Boöidea *791*, *833*
boöps (Balæna) *576*
boöps (Balænoptera) *576*
boöps (Helaletes) 724
boöps (Megaptera) *576*
boöps (Rorqualis) *576*
Boötherium 846
bombifrons 846, *847*
nivicolens 846
sargenti 846
boreale (Telmatherium) *711*
boreale (Telmatotherium) *711*
borealis (Arvicola) *899*
borealis (Bathygnathus) 56
borealis (Blastomeryx) *819*
borealis (Buteo) 316
borealis (Cervalces) 825
borealis (Dromomeryx) *819*
borealis (Eohippus) 668
borealis (Eotitanops) 711
borealis (Gulo) 531
borealis (Meniscoëssus) 382
borealis (Micropternodus) 427
borealis (Myctomys) 899
borealis (Osteopygis) 77
borealis (Pachygnathus) *56*
borealis (Palæomeryx) 819
borealis (Propleura) *76*
borealis (Rhytina) *658*
borealis (Rytina) *658*
borealis (Synaptomys) 899
borealis (Titanops) 711
Boremys 73
albertensis 73
pulchra 73
Boreodon *380*, 385
matutinus 385
primævus *380*
boreus (Elephas) *642*, *643*, 644

	Page
bornensis (Orlitia)	*79*
Borocyon	512
robustum	*512*
robustus	512
Borophagus	512
diversidens	512
gidleyi	*508*
meandrinus	508
Bos	*837, 847, 848*
americana	*850*
americanus	*849, 850*
arizonica	*851*
bison	*850*
bombifrons	*846*
cavifrons	*847*
crassicornis	*851*
latifrons	*849, 851*
moschatus	*845*
occidentalis	*852*
primigenius	*852*
priscus	*851*
scaphoceras	*843*
boscas (Anas)	*804*
boschas (Anas)	*804*
Bosovis	*845*
bossi (Adocus)	89
bossi (Eurhinodelphis)	592
Botaurinæ	295
Botauroides	295
parvus	295
Botaurus	295
lentiginosus	295
mugitans	*295*
Bothodon	*760*
leptodus	*760*
Bothremydidæ	74
Bothremys	74
cookii	74
Bothriodon	759
brachyrhynchus	760
leptodus	760
bothrodon (Entelodon)	*765*
Bothrolabis	*768*
lentus	*768*
osmonti	*768*
pristinus	*768*
rostratus	*769*
socialis	*769*
subæquans	*769*
trichænus	*769*
bottæ (Thomomys)	877, 878
Bottosaurus	*154*, 157
harlani	157
humilis	*154*
macrorhynchus	*157*
perrugosus	158
tuberculatus	158
Bovidæ	*833*, 836
Bovina	*837, 847*
Bovinæ	*847*
Bovini	*838*
Bovovis	*844, 846*
Bovoidæ	833
boylei (Peromyscus)	*893*
boylii (Hesperomys)	*893*
boylii (Peromyscus)	893
Brachaucheniidæ	119
Brachauchenius	119
lucasi	119
Brachiceratops	*221*
Brachiosauridæ	197
Brachiosaurus	197
altithorax	197
Brachyauchenias	*119*
Brachybrachium	63
brevipes	63
brachycephalus (Brontops)	*720*
brachycephalus (Megacerops)	720
brachycephalus (Platecarpus)	260
brachyceps (Chalicomys)	882
brachyceps (Euhapsis)	885
brachyceps (Oxydactylus)	*795*
brachyceps (Steneofiber)	*882*
Brachyceratops	220
dawsoni	*222*
montanensis	221
montanus	*221*
Brachychampsa	158
montana	158
perrugosa	158
brachychira (Megaptera)	575
brachycœlus (Pleuriston)	40
Brachycrus	*786*
rusticus	*786*
brachygnathus (Ælurodon)	495
brachygnathus (Lophiodon)	*851*
brachygnathus (Peromyscus)	893
Brachylagus	859
brachylophus (Mesohippus)	*676*
brachylophus (Miohippus)	676
brachymelis (Ticholeptus)	790
Brachymeryx	*791*
feliceps	*791*
brachyodon (Palæolagus)	685
brachyodontus (Oxydactylus)	795
Brachyodus	*760*
brachyrhynchus	*760*
brachyodus (Aphelops)	746
brachyodus (Diceratherium)	*746*
brachyops (Arrhinoceratops)	221
brachyops (Deinictis)	*542*
brachyops (Dinictis)	*542*
brachyops (Mesocyon)	493
brachyops (Nimravus)	*542*
brachyops (Pariotichus)	42
brachyops (Pogonodon)	542
Brachiosauridæ	197
Brachiosaurus	197
altithorax	197
Brachyostracon	421
cylindricus	421
mexicanus	421
Brachypodinæ	*748*
Brachyprotoma	531
fossidens	531
leptops	532
obtusata	532
obtusatus	*532*
pristina	532
spelæa	532

	Page
Brachypsalis	*525*, 526, *538*
hyænoides	*495*
marshalli	*526*
matutinus	526
modicus	526
obliquidens	526
pachycephalus	526
pristinus	*538*
simplicidens	*525*
brachypternus (Phenacodus)	605
brachypus (Canis)	*491*
brachypus (Cynodesmus)	491
brachyrhinus (Toxochelys)	86
Brachyrhophus	*201*
brachyrhynchos (Corvus)	356
brachyrhynchus (Ancodon)	*760*
brachyrhynchus (Ancodus)	*760*
brachyrhynchus (Bothriodon)	759
brachyrhynchus (Brachyodus)	*759*
brachyrhynchus (Hyopotamus)	*760*
Brachyrophus	201
altarkansanus	201
Brachysaurus	*261*
overtoni	*261*
brachyspondylus (Basilosaurus)	570
brachyspondylus (Zeuglodon)	*568*, *570*
brachystomus (Diacodexis)	756
brachystomus (Trigonolestes)	*756*
brachystylus (Mesohippus)	*676*
brachystylus (Miohippus)	676
Bradypodidæ	403
Bradypus	*403*, *405*
bransoni (Metarhinus)	*141*
bransoni (Palæorhinus)	141
Branta	301
bernicla	302
canadensis	302
dickeyi	302
glaucogastra	302
hutchinsi	302
hypsibata	302
hypsibatus	*302*
meniscula	*302*
minima	302
minuscula	302
propinqua	302
braziosus (Anancus)	*630*
brazosius (Anancus)	630
brevicalcaratus (Stypolophus)	*478*
brevicauda (Blarina)	442
brevicaudus (Sorex)	*442*
breviceps (Cyclopidius)	*790*
breviceps (Gomphotherium)	*635*
breviceps (Hadrosaurus)	211
breviceps (Harpagolestes)	469
breviceps (Hyomeryx)	779
breviceps (Ticholeptus)	790
breviceps (Trachodon)	211
breviceps (Trilophodon)	*635*
brevicollis (Champsosaurus)	133
brevicollis (Crocodylus)	153
brevicornis (Triceratops)	*228*
brevicornus (Triceratops)	228
brevidens (Anchippus)	*681*
brevidens (Glyptosaurus)	*254*

	Page
brevidens (Gomphotherium)	635
brevidens (Mammut)	*635*
brevidens (Mastodon)	*635*
brevidens (Merychippus)	*681*
brevidens (Parahippus)	681
brevidens (Rhynchotherium)	*635*
brevidens (Tetrabelodon)	*635*
brevidens (Trilophodon)	*635*
brevifaces (Ælurocyon)	*526*
brevifacies (Ælurocyon)	526
brevifacies (Cyclopidius)	790
brevifacies (Pithecistes)	*790*
brevifemur (Plesiosaurus)	116
brevimaxillus (Archæotrigon)	372
brevipes (Brachybrachium)	63
Brevirostrinæ	*623*
brevirostris (Miacis)	*486*
brevirostris (Tomarctus)	509
brevirostris (Uintacyon)	*486*
brevirostris (Varanoöps)	48
brevirostris (Varanops)	*48*
brevirostris (Varanosaurus)	*48*
brevirostris (Vulpavus)	*486*
brevis (Boavus)	268
brevis (Dipoides)	*884*
brevis (Meniscoëssus)	382
brevis (Selenacodon)	*382*
brevis (Stegoceras)	*207*
brevis (Troödon)	207
brevispinatus (Ostodolepis)	45
brevispinatus (Pantylus)	*45*
brevispinis (Holops)	*149*
brevispinus (Holops)	*149*
brevispinus (Thoracosaurus)	149
brevisterna (Testudo)	102
brevitrabalis (Alces)	827
breviusculus (Selenichnus)	20
breweri (Parascalops)	438
brewsterensis (Gomphotherium)	635
brewsterensis (Serridentinus)	*635*
bridgerensis (Homogalax)	726
bridgeri (Tanyorhinus	716
Brimosaurus	119
grandis	119
broili (Labidosaurus)	41
broilii (Casea)	59
Brontops	*720*, *721*, *722*
brachycephalus	*720*
coloradensis	*721*
dispar	*721*
robustus	*721*
validus	*721*
brontops (Testudo)	103
Brontosaurus	*194*, 195
amplus	196
excelsus	196
minimus	*195*
validus	*721*
Brontotheridæ	*717*
Brontotheriidæ	717
Brontotherioidæ	711
Brontotherioidea	*711*
Brontotherium	721
bucco	722
curtum	722

	Page
Brontotherium—*Continued*	
dolichoceras	722
gigas	722
hatcheri	722
hypoceras	722
ingens	*719*
leidyi	722
medium	722
orphryas	722
platyceras	722
ramosum	723
robustum	*721*
selwynianum	*721*
tichoceras	*721*
Brontozoum	*11*
approximatum	*11*
divaricatum	*11*
exsertum	*3*
expansum	*11*
giganteum	*11*
isodactylum	*4*
leptodactylum	*22*
minisculum	*3*
sillimanium	*3*
tuberatum	*3*
validum	*3*
browni (Camptosaurus)	205
browni (Eodelphis)	394
browni (Essonodon)	382
browni (Eubrachiosaurus)	64
browni (Hyopsodus)	*444*
browni (Hypolagus)	866
browni (Mylohyus)	774
browni (Porthochelys)	87
browni (Teleorhinus)	147
brownianus (Eotitanops)	712
brownianus (Palæosynops)	*712*
brumbyi (Mosasaurus)	262
Bruta	*401*
Bubo	349
leptosteus	350
pacificus	350
saturatus	*350*
sinclairi	350
virginianus	350
Bubonidæ	349
Buboninæ	349
buccatus (Paramys)	902
buccatus (Plesiarctomys)	*902*
buccatus (Sciuravus)	*902*
buccatus (Tretulias)	573
buccinator (Cygnus)	301
buccinator (Olor)	*301*
bucco (Brontotherium)	722
bucco (Symborodon)	*722*
buceros (Belodon)	*144*
buceros (Lophoprosopus)	*144*
buceros (Lophosaurus)	*144*
buceros (Machæroprosopus)	144
buceros (Metarhinus)	*144*
buceros (Phytosaurus)	*144, 145*
bucklandi (Tetracaulodon)	*625*
buettneri (Trilophosaurus)	36
buiei (Amyda)	110
buiei (Trionyx)	*110*

	Page
bulbivorus (Thomomys)	878
bullatum (Merycoidodon)	*782*
bullatus (Agriochœrus)	777
bullatus (Eporeodon)	782
bullatus (Ictops)	430
bullatus (Merycoidodon)	*782*
bullatus (Oreodon)	*782*
bulverda (Terrapena)	98
Bunælurus	525
infelix	525
lagophagus	525
Bunailurus	*525*
Bunodontia	*752, 761*
Bunolophodon	*634, 638*
productus	*638*
Bunomastodontidæ	*623*
Bunomastodontinæ	*623*
Bunomeryx	754
elegans	754
montanus	754
Bunophorus	753
etsagicus	753
macropternus	753
Bunoselenodontia	*752, 758*
Bunotheriidæ	*458*
burmeisteri (Esthonyx)	*854*
burmeisterii (Esthonyx)	854
bursarius (Geomys)	879
bursarius (Pseudostoma)	*879*
Buteo	316
borealis	316
swainsoni	316
typhoius	316
Buteonidæ	314
Buteoninæ	*314, 315*
buwaldi (Merycochœrus)	785
buwaldi (Mustela)	528
byssinus (Axestemys)	110
byssinus (Axestus)	*110*
Bystira	*100*
Bystra	100
nanus	100
caballus (Equus)	703
celticus (Equus)	*703*
Cabassous	*416*
caboti (Rangifer)	*824*
cælata (Hoplochelys)	91
cælata (Pseudemys)	97
cælatus (Glyptops)	70
Cælogenys	*913*
cælops (Eboroziphius)	583
Cælurus	*185*
Cænopus	*740*, 742
allus	*741*
annectens	*744*
avus	743
copei	*740*, 742
dakotensis	*725*, 742
exiguus	742
metalophus	*741*
mite	*742*
miti	*742*
mitis	742
nanolophus	742
occidentalis	*741*

Page

Cænopus—*Continued*
pacificus ... *745*
persistens ... 742
platycephalus ... 742
premitis ... 742
simplicidens ... 742
trigonodus ... *741*
tridactylus ... *741*, 743
truquianus ... *745*
tubifer ... 743
Cænovus ... *740*
copei ... *740*
cærulescens (Chen) ... 303
cafer (Colaptes) ... 353
Caimanoidea ... 158
prenasalis ... 158
visheri ... 158
Caimanoideus ... *158*
visheri ... *158*
Calamagras ... 268
murivorus ... 268
calamarius (Hadrosaurus) ... *211*
calamarium (Hipparion) ... *684*
calamarium (Hippotherium) ... *684*
calamarium (Neohipparion) ... *684*
calamarium (Stylonus) ... *684*
calamarius (Diclonius) ... *211*
calamarius (Merychippus) ... 684, *686*
calamarius (Trachodon) ... 211
propinquus (Merychippus) ... 684
sumani (Merychippus) ... 686
Calamodon ... 400
arcamœnus ... 400
novomehicanus ... 400
simplex ... 400
Calamodontidæ ... *399*
calaverensis (Stylemys) ... 101
calcaratus (Felis) ... *554*
calcaratus (Hypertragulus) ... 813
calcaratus (Lynx) ... 554
calcicornis (Triceratops) ... *228*
calciculus (Heptodon) ... 724
calicornis (Triceratops) ... 228
calgariensis (Catopsalis) ... 384
calicinus (Sciurus) ... *874*
california (Lama) ... *803*
californiana (Saurothera) ... *347*
californianus (Geococcyx) ... 347
californianus (Gymnogyps) ... 312
californianus (Pseudogryphus) ... *312*
californianus (Vultur) ... *312*
californica (Aplodontia) ... 906
californica (Arvicola) ... *897*
californica (Auchenia) ... *803*
californica (Felis) ... *555*
californica (Haplodontia) ... *906*
californica (Lama) ... *803*
californica (Lepus) ... 863
californica (Lophortyx) ... 327
californica (Palauchenia) ... *803*
californicum (Arctotherium) ... 521
californicum (Glaucidium) ... *350*
californicum (Pronomotherium) ... *785*
californicum (Smilodon) ... *548*
californicum (Tremarctotherium) ... 521

Page

californicus (Agelaius) ... *353*
californicus (Camelops) ... 803
californicus (Castor) ... 887
californicus (Colymbus) ... 286
californicus (Dytes) ... *286*
californicus (Haplodon) ... *906*
californicus (Hemicyon) ... 512
californicus (Hesperocetus) ... 582
californicus (Holomeniscus) ... *803*
californicus (Larus) ... 341
californicus (Lepus) ... 863
californicus (Lophortyx) ... *327*
californicus (Lynx) ... 555
californicus (Megalonyx) ... 409
californicus (Merychippus) ... 684
californicus (Merycochœrus) ... 785
californicus (Microtus) ... 897
californicus (Parapavo) ... 329
californicus (Pavo) ... *329*
californicus (Perognathus) ... 880
californicus (Podiceps) ... *286*
californicus (Scapanus) ... *439*
californicus (Sciurus) ... 874
californicus (Smilodon) ... 548
californicus (Tapirus) ... 731
californicus (Tetrao) ... *327*
californicus (Toretocnemus) ... 125
californicus (Urocyon) ... 503
californiensis (Mancalla) ... 344
calimarium (Neohipparion) ... *684*
calkinsi (Chœrodon) ... *766*
calkinsi (Dæodon) ... 766
calkinsi (Elotherium) ... *766*
calkinsi (Entelodon) ... *766*
callodonte (Hipparion) ... 693
callopyge (Echmatemys) ... 95
callosa (Baëna) ... 71
Callospermophilus ... 869
chrysodeirus ... 869
trepidus ... 870
calobatus (Asinus) ... *703*
calobatus (Equus) ... 703
Calocephalus ... *563*
vitulinus ... *564*
Calops ... 814
consors ... 814
cristatus ... 814
calvertensis (Delphinus) ... *587*
calvertensis (Lophocetus) ... 587
calvertensis (Psephophorus) ... 69
calvertensis (Squalodon) ... 581
calvini (Aftonius) ... 843
calycinus (Parasciurus) ... *874*
calycinus (Sciurus) ... 874
Camarasauridæ ... 189, *193*
Camarasaurinæ ... *189*
Camarasaurus ... 189, *192*, *195*
agilis ... 191
excelsus ... *196*
impar ... 191
lentus ... 191
leptodirus ... 191
robustus ... 191
supremus ... 191
Camarosaurus ... *190*

	Page
Cameleontidæ	*248*
Camelidæ	791
Camelinæ	*791*, 803
Camelini	*792*, *803*
Camelodon	793
arapahovius	793
Cameloidæ	791
Cameloidea	*791*
cameloides (Gomphotherium)	*797*
cameloides (Ithygrammodon)	757
cameloides (Miolabis)	797
cameloides (Paratylopus)	797
cameloides (Protomeryx)	*797*
Camelomeryx	811
longiceps	811
Camelopardalidæ	*834*
Camelopardalis	*834*
Camelops	803
americanus	*807*
aransas	803
arenarum	803
californicus	803
dallasi	804
hesternus	803
huerfanensis	804
kansanus	804
macrocephalus	804
minidokæ	804
nevadanus	805
niobrarensis	805
nitidus	805
sulcatus	805
vacondæ	805
virginiensis	805
vitakerianus	805
Camelopsinæ	796
Camelus	*797*, *803*, 807
americanus	807
arctoamericanus	807
maximus	807
occidentalis	*799*
campester (Bunolophodon)	*635*
campester (Gomphotherium)	635
campester Lepus)	*863*
campester (Mastodon)	*635*
campester (Protomeryx)	795
campester (Testudo)	103
campester (Tetralophodon)	*635*
campestre (Mammut)	*635*
campestris (Lepus)	*863*
campestris (Merychippus)	684
campestris (Oxydactylus)	796
campestris (Tetrabelodon)	*635*
campestris (Trilophodon)	635
Campsodelphis	*590*
Campsosaurus	*132*
Camptomus	382
amplus	382
Camptonotidæ	*204*
Camptonotus	*204*
Camptosauridæ	204
Camptosaurinæ	*204*
Camptosaurus	204
amplus	205
Camptosaurus—*Continued*	
browni	205
depressus	205
dispar	205
medius	205
nanus	205
campylotes (Elephas)	*648*
canadensis (Anas)	*302*
canadensis (Ardea)	332
canadensis (Bernicla)	302
canadensis (Branta)	302
canadensis (Castor)	887
canadensis (Ceratops)	*221*
canadensis (Cervus)	829
canadensis (Elaphus)	*829*
canadensis (Eoceratops)	221
canadensis (Felis)	*554*
canadensis (Grus)	332
canadensis (Leidyosuchus)	155
canadensis (Lutra)	537
canadensis (Lynx)	554
canadensis (Megalornis)	*332*
canadensis (Meriones)	*910*
canadensis (Monoclonius)	*221*
canadensis (Ovis)	842
canadensis (Palæosaniwa)	252
canadensis (Peromyscus)	*894*
canadensis (Sitomys)	*894*
canaliculata (Terrapene)	98
canavus (Miacis)	*486*
canavus (Prodaphænus)	*486*
canavus (Uintacyon)	*486*
canavus (Vulpavus)	486
caniculata (Terrapena)	*98*
caniculus (Mesodectes)	431
Canidæ	488
Canimartes	530
cumminsii	530
Canina	*488*, *494*
Caninæ	494
caninus (Chœrodon)	764
caninus (Homocamelus)	*799*
Canis	*492*, 496
anceps	498
andersoni	498
armbrusteri	498
ayersi	*501*
brachypus	491
cinereoargentatus	*503*
cinereoargenteus	503
compressus	*495*
davisi	498
dirus	*501*
fulvus	*502*
furlongi	498
haydeni	*495*
indianensis	*501*
latidens	*492*
latidentatus	*503*
latrans	498, *500*
lemur	*493*
lestes	499
lupus	*499*
lycaon	499
marshii	*714*

Page

Canis--*Continued*
mexicanus 499
milleri 501
mississippiensis 501
nubilus 499
occidentalis 498, 499, 501
ochropus 500
ocropus 500
orcutti 500
pennsylvanicus 502
priscolatrans 500
riverans 500
riviveronis 500
robustus 500
rurestris 494
sævus 496
shoshonensis 506
temerarius 494
texanus 500
ursinus 513
vafer 494
wheelerianus 496
Caouana 82
caretta 82
capax (Stylemys) 101
Capella 337
caperatus (Meniscoëssus) 382
caperatus (Tripriodon) 382
Capitorhinomorpha 39
Capra 841, 842
columbiana 842
Capridæ 841
Caprina 841
Caprinæ 841
Capromeryx 832
furcifer 832
mexicana 832
minor 832
captans (Charitemys) 73
Captorhinidæ 39
Captorhiniformes 39
Captorhininæ 39
Captorhinus 39, 42
aduncus 39
aguti 40, 41
angusticeps 40
illinoiensis 40
isolomus 40
Captorhinomorpha 39
captus (Otospermophilus) 872
capybara (Hydrochœrus) 914
Carbo 292
Carcinodon 461
filholianus 461
Cardiacephalus 32
Cardicephalus 32
sternbergi 32
Cardiocephalus 32
sternbergi 32
willoughbyi 32
Caretta 82
caretta 83
caretta (Caouana) 83
caretta (Caretta) 83
caretta (Chelone) 83

Page

caretta (Chelonia) 83
caretta (Thalassochelis) 83
caretta (Thalassochelys) 83
caretti (Scaldicetus) 598
careyi (Shastasaurus) 126
Cariacus 820
americanus 822, 829
ensifer 821
lævicornis 821
osceola 821
virginianus 822
caribou (Cervus) 824
caribou (Rangifer) 824
caribu (Rangifer) 824
carinata (Testudo) 98
Carinatæ 280
Carinates 280
carinatus (Animasaurus) 36
carinicollis (Cremastosaurus) 255
carinidens (Catathlæus) 610
carinidens (Peripтychus) 610
cariosa (Amyda) 110
cariosus (Trionyx) 110
Carnaria 457
carnegie (Diplodocus) 199
carnegiei (Diplodocus) 199
carnegii (Diplodocus) 199
carnifex (Dissacus) 467
Carnivora 456, 488
vera 488
Carnivoræ 457
Carnivori 456
Carnosauria 168, 169
carolina (Cistudo) 98
carolina (Terrapene) 98
carolinense (Nettion) 305
carolinensis (Anas) 305
carolinensis (Belodon) 142
carolinensis (Blarina) 442
carolinensis (Columba) 346
carolinensis (Conuropsis) 346
carolinensis (Conurus) 346
carolinensis (Dinoziphius) 598
carolinensis (Falco) 321
carolinensis (Mosasaurus) 262
carolinensis (Mystriosuchus) 145
carolinensis (Neosciurus) 874
carolinensis (Pandion) 320
carolinensis (Physeter) 598
carolinensis (Phytosaurus) 145
carolinensis (Rhytidodon) 145
carolinensis (Rutiodon) 145, 172
carolinensis (Rytiodon) 145
carolinensis (Sciurus) 874
carolinensis (Zenaidur) 346
Carolinochelys 80
wilsoni 80
Carpodaptes 925
aulacodon 925
Carpolestes 925
nigridens 925
carrikeri (Promerycochœrus) 784
carteri (Emys) 100
carteri (Omomys) 926
Caryoderma 104

	Page
Caryoderma—*Continued*	
snovianum	*104*
cascadensis (Vulpes)	502
Casea	59
broilii	59
Caseasauria	*59*
casei (Ophiodeirus)	37
casei (Tomicosaurus)	45
Caseidæ	59
Caseiformes	59
castelli (Protohippus)	*688*
castillei (Protohippus)	*688*
castilli (Merychippus)	*688*
castilli (Procamelus)	797
castilloi (Protohippus)	*688*
Castor	885
accessor	887
americana	*887*
americanus	*887*
californicus	887
canadensis	887
fiber	*887*
ohioensis	*888*
peninsulatus	*888*
subauratus	887
tortus	*884*
Castoridæ	884
castoridens (Trogosus)	855
Castorina	*884*
Castorinæ	*884*
Castorini	*884*
Castoroidea	*867, 884*
Castoroidei	*885*
Castoroides	888
kansensis	*888, 889*
ohioënsis	*888*
Castoroididæ	888
casuarius (Corythosaurus)	218
casuarius (Stephenosaurus)	*218*
Catacritosauria	113
Catapleura	76
ponderosa	76
repanda	76
Cataractes	*343*
antiqua	*343*
Catarhactes	*343*
Catarrhactes	343
Catarrhina	*930*
Catarrhini	*930*
Catathlæidæ	*609*
Catathlæinæ	*610*
Catathlæus	*610*
carinidens	*610*
coarctatus	*610*
ditrigonus	*611*
rhabdodon	*610*
catenatus (Plastomenus)	106
Catharista	*311*
aura	*311*
occidentalis	*311*
shastensis	*312*
Cathartæ	*310*
Cathartes	311
aura	311
clarki	*313*

	Page
Cathartes—*Continued*	
septentrionalis	311
Catharthæ	310
Cathartidæ	*310, 311*
Cathartides	*310*
Cathartidiformes	*310*
Cathartiformes	*310*
Cathartoidea	*310*
Cathartornis	312
gracilis	312
catocopis (Heterofelis)	*546*
catocopis (Hoplophoneus)	*546*
catocopis (Machærodus)	*546*
catocopis (Machairodus)	546
Catodon	*599*
catodon (Beluga)	*593, 594*
catodon (Delphinapterus)	*593, 594*
Catodontidæ	*596*
Catopsalis	384
calgariensis	384
foliatus	384
pollux	*384*
caudata (Helcura)	*14*
caudatum (Gigantitherium)	*13*
caudatum (Otozoum)	17
caudatus (Gigandipus)	12
caudatus (Nanomeryx)	755
caudatus (Nanopus)	16
caudatus (Tarsodactylus)	21
caudifer (Asperipes)	6
caudifer (Hylopus)	*6*
Caulodon	192
diversidens	192
leptoganus	193
caurina (Martes)	527
cautus (Microtus)	*898*
cavatus (Allomys)	905
cavatus (Hadrosaurus)	209
cavatus (Trachodon)	*209*
Cavia	*913*
Caviadæ	*913*
Cavicornia	*833, 836, 847*
Cavidæ	*913*
cavifrons (Boötherium)	*847*
cavifrons (Bos)	*847*
cavifrons (Entoptychus)	876
cavifrons (Ovibos)	847
cavifrons (Scaphoceros)	*847*
cavifrons (Symbos)	847
Caviidæ	913
Caviinæ	*914*
cavirictus (Pantolambda)	613
Cecomorphæ	*284, 287, 339, 342*
cedrensis (Eporeodon)	782
cedrensis (Protomeryx)	795
celatus (Diacodon)	*434*
celatus (Nyctitherium)	434
Celeomorphæ	*352*
celer (Anchitherium)	674
celer (Apatornis)	282
celer (Colonomys)	*909*
celer (Colonymys)	*909*
celer (Dromillopus)	*7*
celer (Dromopus)	*7*
celer (Ichthyornis)	*282*

	Page
celer (Laosaurus)	206
celer (Meleagris)	330
celer (Mesohippus)	674
celer (Miohippus)	*674*
celer (Protoceras)	841
cellulosa (Amyda)	111
cellulosus (Trionyx)	*111*
celticus (Equus)	*703*
Ceneutheria	*397*
cenopus (Merycochœrus)	*785*
Centemodon	*145*
sulcatus	*145*
Centetes	*427*
Centetidæ	*427*
Centetina	*427*
Centetinæ	*426*
Centetini	*428*
Centetodon	435
altidens	435
pulcher	435
Centetoidea	*426*
Centracodon	428
delicatus	428
centralis (Felis)	552
Centrocercus	326
urophasianus	326
Centrosaurinæ	*220*
Centrosaurus	224
apertus	224
cutleri	*222*
cephalica (Baëna)	*72*
cephalica (Eubäena)	72
Cephalotropis	573
coronatus	573
Cephalotropus	*573*
coronatus	*573*
cephalum (Cetotherium)	572
cephalus (Eschrichtius)	*572*
Ceratogaulus	908
rhinocerus	908
Ceratops	*222*, 223
alticornis	*223*
belli	*223*
canadensis	*221*
horridus	*229*
montanus	224
paucidens	224
paucidus	*224*
recurvicornis	*222*
Ceratopsia	*219*
Ceratopsida	*220*
Ceratopsidæ	220
Ceratopsinæ	*220*
Ceratopsoidæ	219
Ceratopsoidea	*219*
Ceratorhina	*343*
ceratorhinus (Aphalops)	*747*
ceratorhinus (Aphelops)	746
Ceratosauridæ	175
Ceratosaurus	175
nasicornis	176
Cercomys	*872*
ludovicianus	*872*
cerebralis (Hoplophoneus)	544
Cerorhinca	343

	Page
Cerorhinca—*Continued*	
dubia	343
Cervalces	825
americanus	*826*
borealis	825
roosevelti	825
scotti	*825*, 826
sinclairi	*819*
Cervavus	*818*
Cervicorna	*816*
Cervicornia	*815*
Cervidæ	816
cervina (Ovis)	*842*
Cervinæ	*816*, 820
Cervini	*817*
Cervoidæ	815
Cervulinæ	*815*, 817
Cervus	*820*, *823*, *827*, 828
americanus	*826*, *827*
alces	*827*
auritus	821
canadensis	829
caribou	*824*
columbiana	*821*
elaphus	*829*
fortis	830
fossilis	*830*
hemionus	*821*
lucasi	830
macrotis	*821*
mongoliæ	*830*
muscatinensis	*825*
tarandus	*823*, *825*
virginianus	*822*
warreni	*831*, *832*
Cetacea	*565*
Cetaceæ	*566*
Cetacei	567
Cetæ	*566*
Cete	565
Ceteosauria	*189*
Ceteosauridæ	*189*
Ceterhinops	591
longifrons	591
cetiformis (Uronautes)	121
Cetiosauria	*167*
Cetiosauridæ	*189*
cetoides (Basilosaurus)	570
cetoides (Zeuglodon)	*570*
Cetophis	581
heteroclitus	581
Cetotheriidæ	571
Cetotherium	572
cephalum	572
davidsonii	572
furlongi	572
leptocentrum	573, *591*
megalophysum	*572*
mysticetoides	576
parvum	573
polyporum	575
chacensis (Diacodexis)	756
chacensis (Trigonolestes)	*756*
Chænohyus	769
decedens	769

	Page
Chalicomyidæ	882
Chalicomys	882
barbouri	882
brachyceps	882
complexus	882
fossor	883
gradatus	883
hesperus	883
montanus	883
pansus	883
peninsulatus	883
sciuroides	883
simplicidens	883
Chalicotheridæ	*661*
Chalicotheriidæ	661
Chalicotheriini	*661*
Chalicotherioidæ	660
Chalicotherioidea	*660*
Chalicotherium	661
bilobatum	661
Chamæleo	*247*
pristinus	*248*
Chamæleon	*247*
pristinus	*248*
Chamæleonida	*247*
Chamæleonidæ	247
Chamæleonii	*247*
Chamæleonina	*248*
Chamæleontes	*247*
Chamæleontia	*247*
Chamæleontidæ	*247*
Chamasaurus	45
dolichognathus	45
Chameleo	*247, 248*
pristinus	*248*
Chameleon	*248*
chamense (Meniscotherium)	607
chamensis (Alligator)	*153*
chamensis (Crocodilus)	*153*
chamensis (Crocodylus)	153
Chamops	246
denticulatus	246
segnis	246
seguis	*246*
Champosaurus	132
laramiensis	133
Champsa	*157*
mississippiensis	*157*
Champsodelphis	590
acutidens	590
Champsosauri	*132*
Champsosauria	*132*
Champsosauridæ	132
Champsosauriformes	131
Champsosaurus	132
albertensis	133
ambulator	133
annectens	133
australis	133
brevicollis	133
lamariensis	*133*
laramiensis	133
occiduus	133
profundus	133
puercensis	133
Champsosaurus—*Continued*	
saponensis	*133*
vaccinsulensis	*116*
chaneyi (Bison)	850
chapmani (Gomphotherium)	635
chapmani (Mammut)	*635*
chapmani (Mastodon)	*635*
Charadriacæ	*336*
Charadriadæ	*336*
Charadrias	*336*
Charadridæ	*335*
Charadrii	*335*
Charadriidæ	335
Charadriides	*335*
Charadriiformes	335
Charadriinæ	336
Charadrinæ	*336*
Charadrioidæ	335
Charadriomorphæ	*335*
Charadriornithes	*335*
Charadrius	336
sheppardianus	336
vociferus	*336*
Charitemys	73
captans	73
Charitonetta	307
albeola	307
Chasmaporthetes	539
ossifragus	539
Chasmops	*246*
Chasmosaurinæ	220
Chasmosaurus	223
belli	223
chastense (Nothrotherium)	*406*
Chaulelasmus	305
streperus	305
Cheiroptera	*452*
Cheirotherium	*9*
Cheirotheroides	8
pilulatus	8
Chelichnus	9
wymanianus	9
Chelidridæ	*84*
Chelodactyla	*664*
Chelodina	80
Chelolina	*79*
Chelon	*79*
ischyros	*79*
Chelone	*81*
caretta	*82*
grandævus	*80*
midas	*82*
mydas	*82*
Chelonadæ	*79*
Chelonea	*79*
Chelonemydidæ	*75*
Chelonia	*64*, 81, *99*
mydas	82
parvitecta	82
Chelonidæ	*79*
Chelonii	*64*
Cheloniidæ	*75*, 79
Cheloniidea	*77*
Cheloniinæ	*79*
Chelonina	*79, 80*

	Page
Cheloninæ	*80*
Chelonioidæ	77, *83*
Chelonioidea	*77*
Chelonocephalus	*790, 791*
schucherti	*791*
Chelonoidea	*77*
Chelonoides	9
incedens	9
Chelonura	*85*
temminckii	*85, 86*
chelonyx (Mesoreodon)	783
Chelydoidæ	74
Chelydosauria	*29, 30, 33*
Chelydra	84
crassa	*91*
laticarinata	85
sculpta	85
serpentina	85
temminckii (Chelydra)	*86*
chelydra (Merycochœrus)	*784*
chelydra (Promerycochœrus)	784
Chelydrada	*84*
Chelydraina	*84*
Chelydridæ	84
chelydrinus (Osteopygis)	76
Chelydrops	86
stricta	86
Chen	303
cærulescens	303
cœrulescens	*303*
hyperborea	*303*
hyperboreus	303
nivalis	303
Cheneosaurus	217
tolmanensis	217
Chenomorpha	*299*
Chenomorphæ	*299*
Cheritheroides	*8*
cheriway (Falco)	321
cheriway (Polyborus)	*321*
Chersemydæ	*99*
Chilonix	*35*
Chilonyx	35
rapidens	35
Chilotæ	*105*
Chimærichnus	*20*
ingens	*20*
Chincha	*532*
avia	*533*
mesomelas	*533*
occidentalis	*533*
putida	*533*
Chirogidæ	377
Chiroptera	452
Chiropteri	*452*
Chirostenotes	186
pergracilis	186
Chirotherium	9
heterodactylum	9
parvum	9
reiteri	9
Chirox	*379*
plicatus	*379*
Chisternon	72
hebraicum	73
Chisternon—*Continued*	
interpositum	73
undatum	73
Chisternum	*72*
Chlamydotheridæ	*415*
Chlamydotheriinæ	*417*
Chlamydotherinæ	*417*
Chlamydotherium	*418*
Chlamytheriinæ	417
Chlamytherium	418
humboldtii	418
septentriona	414
Chlidonias	342
nigra	342
surinamensis	342
Chlorœnas	*345*
micula	*345*
Chœnohyus	*769*
Chœrodon	764
calkinsi	*766*
caninus	764
Chœromorpha	*752*
Chœropotamidæ	*760*
Chonespondylus	*124*
grandis	*125*
Choneziphius	583
cœlops	583
liops	583
packardi	*583*
planirostris	583
trachops	*583*
chonops (Proroziphius)	583, *585*
Choristodera	*131*
Chriacidæ	*460*
Chriacus	*449*, 461
angulatus	*449*
baldwini	461
gallinæ	461
pelvidens	461
schlosserianus	461
stenops	461
truncatus	461
chrisaëtus (Aquila)	*318*
Chroicocephalus	340
philadelphia	340
chrotorrhinus (Microtus)	897
chrysaëtos (Aquila)	318
chrysaëtos (Falco)	*318*
Chrysemys	96, *97*
belli	96
cinerea	*96*
inornata	*98*
marginata	96
timida	96
wyomingensis	*96*
Chrysochloridea	*428*
Chrysochloridini	*429*
Chrysochloroidæ	428
Chrysochloris	*428*
chrysodeirus (Callospermophilus)	869
chrysodeirus (Spermophilus)	*869*
chrysodeirus (Tamias)	*869*
chrysodon (Gymnoptychus)	*890*
chrysodon (Ischyromys)	890
cibollensis (Echmatemys)	95

	Page
cibollensis (Emys)	*95*
cicognani (Putorius)	*528*
cicognanii (Mustela)	528
Ciconia	296
malta	*296*
maltha	296
Ciconiæ	*293, 295*
Ciconidæ	*296*
Ciconii	*295*
Ciconiidæ	296
Ciconiiformes	293
Ciconinæ	296
Ciconioidæ	295
cimarronis (Gomphotherium)	636
cimarronis (Serridentinus)	*636*
cimarronis (Tetrabelodon)	*636*
cimarronis (Trilophodon)	*636*
Cimolestes	391
curtus	*392*
cutleri	*394*
incisus	392
Cimolestidæ	*391*
Cimolestinæ	391
Cimoliasaurus	119
grandis	*119*
laramiensis	119
magnus	120
planior	*120*
snowii	120
vetustus	*120*
Cimoliosaurus	*119*
Cimolodon	381
agilis	381
nitidus	381
parvus	*381*
Cimolomys	381
agilis	*381*
bellus	381
digona	381
formosus	*380*
gracilis	381
minutus	381
nitidus	381
parvus	381
serratus	*380*
Cimolopteryx	359
rara	*359*
rarus	359
retusa	*359*
retusus	359
cinctus (Coryphodon)	615
cinctus (Oligotomus)	*671*
cinctus (Orohippus)	671
cinerascens (Sylvilagus)	864
cinerea (Chrysemys)	*96*
cinerea (Mus)	*893*
cinerea (Neotoma)	895
cinerea (Teonoma)	*895*
cinerearum (Clidastes)	263
cinereargenteus (Canis)	*503*
cinereargenteus (Urocyon)	503
cinereoargentatus (Canis)	*503*
cinereoargentatus (Urocyon)	*503*
cinerianus (Clidastes)	*263*
Cingulati	*415*

	Page
cingulatus (Colodon)	725
cingulatus (Notharctus)	*449*
Cinodon	214
Cinosternidæ	*93*
Cinosterninæ	*93*
Cinosternoidæ	*93*
Cinosternon	*93*
Cinosternum	*93*
arizonæ	*93*
Cionodon	*214*
arctatus	*214*
stenopsis	*214*
Circinæ	319
circulosus (Embaphias)	120
circumagens (Apatichnus)	5
Circus	319
cyaneus	320
hudsonius	320
cismontanus (Pogonodon)	542
Cistudo	*98*
carinata	*98*
carolina	*98*
clausa	*98*
eurypygia	*97*
marnochii	*99*
cisulcatus (Geomys)	*879*
citatus (Phenacolemur)	446
Citellus	868
beecheyi	*871*
bensoni	869
cochisei	869
douglasi	*871*
fisheri	*871*
grammurus	*872*
taylori	869
tridecemlineatus	869
tuitus	869
Cladyodon	*168*
Clænodon	464
corrugatus	464
ferox	464
protogonioides	464
Clangocicnus	*301*
Clangula	307
albeola	*307*
hyemalis	307
islandica	308
Claorhynchus	216
trihedrus	216
Claosauridæ	*208*
Claosaurus	*210, 212,* 215
affinis	215
agilis	215
annectens	*212, 216*
clara (Baëna)	71
clarki (Palamopus)	*12*
clarki (Sarcorhamphus)	*313*
clarki (Vultur)	313
clarkianus (Siphonocetus)	572
clarkii (Palamopus)	*12*
clausa (Cistudo)	*98*
clausa (Terrapene)	*98*
claviger (Edaphosaurus)	58
claviger (Naosaurus)	*58*
clavipes (Glyptodon)	*421*

	Page
clavirostris (Sphenosaurus)	*150*
clavis (Crocodilus)	*153*
clavis (Crocodylus)	153
clavum (Archæotherium)	763
clavum (Elotherium)	*763*
clavus (Archæotherium)	*763*
clavus (Entelodon)	*763*
cledensis (Thinocyon)	474
Clemmys	94
hesperia	94
insculpta	94
morrisiæ	94
percrassa	94
saxea	94
Cleosaurus	*215*
Clepshydrops	*53*
Clepsisaurus	*172*
pennsylvanicus	*172*
Clepsosaurus	*172*
pensylvanicus	*172*
Clepsydropidæ	*52, 57*
Clepsydropinæ	*52*
Clepsydrops	*50*, 53
collettii	53
leptocephalus	*50*
leptoupbalus	*50*
limbatus	*55*
macrospondylus	*56*
natalis	53
pedunculatus	53
vinslovii	53
Clepsysaurus	*142*, 172
fraserianus	172
leaii	*142*
pennsylvanicus	172
veatleianus	172
Clidastes	262
affinis	*263*
cinerearum	263
cinerianus	*263*
conodon	263
dispar	263
iguanavus	263
intermedius	263
liodontus	263
propython	263
pumilis	263
pumilus	*263*
rex	*263*
stenops	263
sternbergii	263
tortor	263
validus	*264*
velox	263, *264*
westii	264
wymani	264
clidastoides (Lestosaurus)	*260*
clidastoides (Platecarpus)	260
cloacina (Anaptogonia)	*899*
cloacinum (Sycium)	899
cloacinus (Erethizon)	*912*
clusius (Thomomys)	*878*
clypeata (Anas)	*306*
clypeata (Spatula)	306
coalescens (Aspideretes)	108
coalescens (Plastomenus)	*108*
coalescens (Trionyx)	*108*
coalingensis (Merychippus)	*684*
coalingensis (Pliohippus)	696
coalingensis (Protohippus)	*696*
coarctatum (Archæotherium)	763
coarctatum (Elotherium)	763
coarctatus (Catathlæus)	*610*
coarctatus (Entelodon)	*763*
coarctatus (Periptychus)	610
coccinarum (Typothorax)	138
Coccyges	347
Coccygiformes	346
Coccygomorphæ	*346*
cochisei (Citellus)	869
coconinoënsis (Baropus)	7
coconinensis (Procamelus)	798
cœlatus (Meniscoëssus)	382
cœlatus (Triptriodon)	382
Cœlodon	*406*
Cœlodus	*406*
Cœlogenis	*913*
Cœlogenus	*913*
Cœlogenys	*913*
paca	*913*
Cœlophysinæ	*187*
Cœlophysis	186
bauri	186
longicollis	186
willistoni	186
cœlops (Choneziphius)	583
Cœloruria	*184*
Cœlosaurus	181
antiquus	181
cœlospondylus (Ixacanthus)	592
cœlospondylus (Xacanthus)	*592*
Cœlosuchus	147
reedi	147
Cœluria	*184*
Cœluridæ	*184*
Cœluroidæ	184
Cœlurosauria	*184*
Cœlurosauroidea	*184*
Cœlurus	*181*, 185
affinis	181
agilis	185
antiquus	181
fragilis	185
gracilis	*181*
hermanni	186
medius	*931*
cœlurus (Anchisaurus)	*171*
Cœnidæ	*911*
Cœnopus	*742*
mitis	*742*
cœnopus (Merycochœrus)	785
cœrulescens (Chen)	*303*
cognatum (Anchitherium)	*681*
cognatus (Merychippus)	*681*
cognatus (Parahippus)	681
coicodus (Pantylus)	44
Colaptes	353
cafer	353
collaris	353
Colinus	327

Page

Colinus—*Continued*
eatoni 327
virginianus 327
collaris (Anas) 307
collaris (Marila) 307
collettii (Clepsydrops) 53
Collettosaurus 9
indianaënsis 9
magnus 9
missouriensis 9
pentadactylus 9
collinsonii (Mastodon) 625
collinum (Euceratherium) 844
Colodon 725
angulatus 725
cingulatus 725
copei 725
dakotensis 725
longipes 726
luxatus 725
occidentalis 725
procuspidatus 725
Colonoceras 734
agrestis 734
Colonomys 909
celer 909
Colonosaurus 282
mudgei 282
Colonymys 909
celer 909
Colophonodon 581
holmesii 581
coloradense (Hipparion) 692
coloradensis (Ambloctonus) 473
coloradensis (Heterofelis) 546
coloradensis (Kepolestes) 374
coloradensis (Laoporus) 15
coloradensis (Limnopus) 15
coloradensis (Machærodus) 546
coloradensis (Megacerops) 720
coloradensis (Megapezia) 18
coloradensis (Oreodon) 780
coloradensis (Parabaropus) 18
coloradensis (Parahippus) 681
coloradensis (Patriofelis) 473
coloradensis (Platyrhachis) 250
coloradoensis (Laoporus) 15
coloradoensis (Megaceratops) 720
coloradoensis (Nothocyon) 493
coloradoensis (Platyrhachis) 250
coloradoensis (Rhineüra) 250
Coloreodon 777
ferox 777
macrocephalus 777
ryderanus 778
Colotaxis 890
cristatus 890
Coluber 269, 270
abacura 269
acuminatus 269
constrictor 269
sirtalis 270
Colubridæ 269
Colubrina 269
Colubrinæ 269

Page

Columba 345
carolinensis 346
fasciata 345
macroura 346
micula 345
Columbæ 344, 345
columbarius (Falco) 321
columbi (Arkidiscodon) 646
columbi (Elephas) 643, 644, 647
columbi (Euelephas) 646
columbiana (Odocoileus) 821
columbianus (Anas) 301
columbianus (Cygnus) 301
columbianus (Elephas) 644
columbianus (Odocoileus) 821
columbianus (Olor) 301
columbianus (Pediocætes) 326
columbianus (Pediocetes) 326
columbianus (Pediœcetes) 326
Columbidæ 345
Columbiformes 344
Columbinæ 344
Columbini 344
Columboidæ 345
colurus (Anchisaurus) 171
Colymbi 284
Colymbidæ 284, 285
Colymbiformes 284
Colymbinæ 284
Colymboidea 284
Colymbomorphæ 284
Colymbo-Podicipes 285
Colymbo-Podicipitiformes 285
Colymbus 284, 285
auritus 285
californicus 286
holbœlii 285
immer 284
nigricollis 286
oligocænus 286
oligoceanus 286
parvus 286
torquatus 284
comma (Conoryctes) 398
communis (Plastomenus) 106
comoënsis (Aploconodon) 370
compactus (Ogmophis) 268
completus (Vulpavus) 486
complexus (Chalicomys) 882
complexus (Steneofiber) 882
complicatus (Equus) 703, 708
complicatus (Neohippus) 703
compressidens (Ischyrotomus) 903
compressidens (Merycochœrus) 785
compressidens (Paramys) 903
compressus (Ælurodon) 495
compressus (Belemnoziphius) 583
compressus (Canis) 495
compressus (Dicotyles) 772
compressus (Elliptonodon) 264
compressus (Hapalodectes) 469
compressus (Lanceosaurus) 256
compressus (Lynx) 555
compressus (Mammonteus) 650
compressus (Platigonus) 772

Page

compressus (Platygonus) 772
Compsemys 70, 88
imbricarius 88
lineolatus 90
ogmius 88
obscurus 88
parva 89
parvus 89
plicatulus 70, 89
puercensis 89
torrejonensis 89
vafer 89
victa 89
victus 89
Compsognatha 184
Compsognathidæ 184
Compsosoma 269
corais 269, 270
couperii 269
Comptichnus 10
obesus 10
comptus (Didelphodon) 392
comptus (Didelphops) 392
comptus (Entomodon) 439
comptus (Protoceras) 814
comptus (Pteranodon) 162
comptus (Sarcolemur) 439
comstocki (Didelphis) 393
comstocki (Didelphys) 393
comstocki (Peratherium) 393
Conacodon 612
cophater 612
entoconum 612
entoconus 612
conardi (Smilodontopsis) 547
concamerata (Platypterna) 18
concentrica (Amyda) 111
concentricus (Trionyx) 111
concerptus (Procamelus) 798
Conchochelys 110
admirabilis 110
concolor (Felis) 552
concolor (Phoca) 564
condoni (Anser) 303
condoni (Dicotyles) 772
condoni (Eporeodon) 782
condoni (Hipparion) 692
condoni (Mesohippus) 676
condoni (Miohippus) 676
condoni (Philotrox) 508
condoni (Platygonus) 772
Condylarthra 601
Condylarthri 601
confertus (Nimravus) 543
confertus (Tephrocyon) 510
confertus (Tomarctus) 510
confusus (Barillopus) 6
congrops (Tylosaurus) 259
conidens (Eschatius) 806
conideus (Eschatius) 806
coniferus (Haploconus) 612
Coniophis 271
precedens 271
Coniornis 279
altus 280
Conodectes 30, 43

Page

Conodectes—*Continued*
favosus 31
Conodectidæ 30
Conodectiformes 30
conodon (Clidastes) 263
conodon (Gomphotherium) 636
conodon (Mastodon) 636
Conoryctes 398
comma 398
Conoryctidæ 398
Conoryctinæ 398
Conoryctini 398
conquistus (Meniscoëssus) 382
conradi (Belosphys) 590
conradi (Ixacanthus) 590
conradi (Priscodelphinus) 590
conradi (Puffinus) 288
consors (Calops) 814
consors (Laosaurus) 206
conspecta (Stylemys) 101
constrictor (Baseanion) 269
constrictor (Coluber) 269
constrictor (Zamenis) 269
conterminus (Geranoaëtus) 317
contortus (Geranoaëtus) 317
contusor (Crocodylus) 153
contusor (Thecachampsa) 153
conulus (Oracodon) 381
Conurinæ 346
Conuropsis 346
carolinensis 346
fratercula 346
conversidens (Equus) 704
cooki (Diceratherium) 745
cooki (Menoceras) 745
cooki (Moropus) 662
cooki (Syndyoceras) 814
cookii (Bothremys) 74
cooperi (Accipiter) 315
cooperi (Falco) 315
cooperi (Shoshonius) 927
cooperi (Synaptomys) 899
copeanus (Mosasaurus) 262
copei (Aceratherium) 740
copei (Acerotherium) 740
copei (Cænopus) 740
copei (Cænovus) 740
copei (Colodon) 725
copei (Eosauravus) 32
copei (Isodectes) 32
copei (Mesohippus) 676, 725
copei (Miohippus) 725
copei (Mixodectes) 448
copei (Olbodotes) 448
copei (Olbotes) 448
copei (Palæosyops) 712
copei (Paramys) 902
copei (Phenacodus) 605
copei (Phœnicopterus) 298
copei (Protostega) 78
copei (Subhyracodon) 740
copei (Symborodon) 718
cophater (Conacodon) 612
cophater (Haploconus) 612
Coracomorphæ 353
Coragyps 311

	Page
Coragyps—*Continued*	
occidentalis	311
corais (Coluber)	*269*
corais (Compsosoma)	*269*
corais (Drymarchon)	269
corax (Corvus)	356
cordatus (Crocodilus)	*149*
cordatus (Holops)	*149*
cordatus (Pantylus)	44
cordatus (Thoracosaurus)	149
cordiformis (Euthlastes)	374
cordillarum (Mammut)	632
cordillerarum (Dibelodon)	*632*
Cordillerion	*630*
gratum	*631*
oligobunis	*632*
cordillerum (Mastodon)	*632*
coriacea (Dermochelys)	*68*
Coriphagus	451
montanus	451
corniculatus (Haploconus)	611
corniculatus (Hemithlæus)	*611*
cornutidens (Orycterocetus)	597
cornutum (Telmatherium)	715
cornutum (Telmatotherium)	*715*
cornutum (Tinoceras)	620
cornutum (Uintatherium)	*620*
cornutus (Dolichorhinus)	715
cornutus (Eobasileus)	620
Cornwallius	654
sookensis	654
coronatus (Cephalotropis)	573
coronatus (Cephalotropus)	*573*
coronatus (Merycodus)	831
corrugatus (Clænodon)	464
corrugatus (Plastomenus)	106
corsoni (Hadrianus)	100
corticata (Thalassochelys)	*83*
Corvidæ	355
Corvinæ	*355*
Corvipes	10
lacertoideus	10
Corvus	355
americanus	*356*
annectens	*356*
brachyrhynchos	356
corax	356
shufeldti	356
sinuatus	356
stelleri	*355*
coryphæus (Eoconodon)	466
coryphæus (Hypotemnodon)	*493*
coryphæus (Lestosaurus)	*260*
coryphæus (Mesocyon)	493
coryphæus (Platecarpus)	260
coryphæus (Sarcothraustes)	*466*
coryphæus (Temnocyon)	*493*
Coryphodon	614, *617*
anax	615
anex	*615*
armatus	615
cinctus	615
curvicristis	615
curvicristus	*615*
cuspidatus	615, *616*
elephantopus	615

	Page
Coryphodon—*Continued*	
hamatus	615
latidens	615
latipes	616
lobatus	*615*
lomas	616
marginatus	616
molestus	616
obliquus	616
pachypus	*615*
radians	616
repandus	616
semicinctus	616
simus	*616*
singularis	616
subquadratus	616
teste	*616*
testis	616
ventanus	616
wortmani	616
Coryphodontidæ	614
Coryphodontiformes	613
Coryphodontini	*614*
Corythosaurus	*213*, 218
casuarius	218
excavatus	218
intermedius	218
Cosoryx	*816, 830, 831*
furcatus	*831*
teres	*816*
costatus (Palæoscincus)	237
costatus (Plastomenus)	106
costilata (Kallistira)	92
costilatus (Baptemys)	*92*
costilatus (Dermatemys)	*92*
Cotylosauria	28, *29, 30, 37*
Cotylosauridæ	*39*
coudoni (Philothrox)	*508*
cougar (Felis)	*552*
couguar (Felis)	552
couguor (Felis)	*554*
couperi (Coluber)	269
couperi (Compsosoma)	*269*
couperi (Drymarchon)	269
couperi (Georgia)	*269*
couperi (Mosasaurus)	262
Cracidæ	324
Cracinæ	*324*
cragini (Hipparion)	692
crampianus (Bison)	*849*
Cranioceras	840
unicornis	840
craspedotum (Hyracotherium)	*668*
craspedotus (Eohippus)	668
crassa (Amyda)	111
crassa (Chelydra)	*91*
crassa (Hoplochelys)	91
crassa (Palæoboa)	*268*
crassa (Saniwa)	252
crassangulum (Cetotherium)	*591*
crassangulum (Cyrtodelphis)	591
crassangulum (Priscodelphinus)	*591*
crassangulum (Schizodelphis)	*591*
crassartus (Lestosaurus)	*260*
crassartus (Platecarpus)	260
crassicauda (Hypsibema)	215

Page

crassicollidens (Tricentes) 462
crassicornis (Allops) 720
crassicornis (Bison) 850
crassicornis (Megacerops) *720*
crassicuspis (Miohippus) 676
crassidens (Enhydrocyon) 509
crassidens (Hoplophoneus) *547*
crassidens (Hyrachyus) *734*
crassidens (Machærodus) *547*
crassidens (Machairodus) 547
crassidens (Mosasaurus) 262
Crassidentata *488*
Crassidentia *487*
crassifrons (Tinoceras) *618*
crassifrons (Uintatherium) 618
crassigenis (Domnina) 436
crassigenis (Macrogenis) *771*
crassigenis (Prosthennops) 771
crassigenis (Prosthenops) *771*
crassigens (Prosthennops) *771*
crassipes (Hesperornis) 279
crassipes (Stenomylus) 808
crassiramis (Entoptychus) 876
crassirostis (Priscodelphinus) *591*
crassiscutata (Testudo) 103
crassiusculus (Mixodectes) 448
crassivultus (Mixodectes) 448
crassivultus (Oligobunis) 525
crassum (Archæotherium) 763
crassum (Elotherium) *763*
crassus (Anomœpus 4
crassus (Apatichnus) *4*
crassus (Aphelops) 747
crassus (Dinælurus) 545
crassus (Dryptodon) 400
crassus (Ennacodon) 375
crassus (Enneodon) *375*
crassus (Entelodon) *763*
crassus (Harpedactylus) 13
crassus (Lestophis) 268
crassus (Monoclonius) 222, *225*
crassus (Notharctus) 922
crassus (Priconodon) 236
crassus (Protosorex) 440
crassus (Rhinoceros) *747*
crassus (Sarcolemur) 755
crassus (Squalodon) 581
crassus (Teleoceras) *747*
crassus (Telmalestes) *922*
crassus (Thinosaurus) *250*
crassus (Triceratops) *222*
crassus (Trionyx) *111*
Cratogeomys 880
bensoni 880
Creccoides 334
osbornii 334
Crecoides *334*
osbornii *334*
Cremastosaurus 255
carinicollis 255
crenidens 704
rhambastes 255
unipedalis 255
crenidens (Desmatippus) *681*
crenidens (Equus) 704, *705*, *708*

Page

crenidens (Parahippus) 681
Creodonta 458
Creodontia *458*
Creodontidæ *776*
Creosaurus 174, *178*
atrox 175
potens *178*
Creotarsidæ 487
Creotarsus 487
lepidus 487
cretin (Diadectoides) 36
Cricetidæ 891
Cricetinæ 891, 892
Cricetodipus *881*
agilis *881*
Cricetus *878*
talpoides *878*
crispatus (Syllomus) 80
cristata (Cystophora) 562
cristata (Phoca) *562*
cristatum (Hyracotherium) *668*
cristatus (Aublysodon) *180*
cristatus (Calops) 814
cristatus (Colotaxis) *890*
cristatus (Deinodon) *180*
cristatus (Dicotyles) *772*
cristatus (Dromæosaurus) 180
cristatus (Dryptosaurus) *180*
cristatus (Eohippus) 668
cristatus (Ischyromys) 890
cristatus (Metarhinus) 717
cristatus (Stemmatopus) *562*
cristonense (Eohippus) *668*
cristonensis (Eohippus) 668
cristonensis (Orotherium) *668*
cristonensis (Pliolophus) *668*
Crocodila *137*
Crocodilei *135*, *136*
Crocodili *136*, *150*
Crocodilia *135*, *136*, *137*, *145*, *150*
Crocodilida *150*
Crocodilidæ *150*
Crocodilii *135*
Crocodilina *135*
crocodilinus (Orycterocetus) *597*
Crocodilomorphi 145
Crocodilus *149*, *151*
acer *153*
affinis *153*
antiquus *153*
aptus *153*
basifissus *149*
chamensis *153*
claris *153*
clavirostris *150*
dekayi *150*
clliotti *153*
grinnellii *153*
herpichanus *153*
grypus *153*
harlani *158*
humilis *153*, *154*
liodon *154*
lucius *157*
obscurus *150*

	Page
Crocodilus—*Continued*	
polyodon	*155*
prenasalis	*158*
salaris	*154*
tenebrosus	*149*
sericodon	*153*
subulatus	*154*
sulciferus	*154*
vorax	*154*
Crocodyliformes	150
Crocodylidæ	150
Crocodylus	151
acer	153
affinis	153
aptus	153
antiquus	153
brevicollis	153
chamensis	153
clavis	153
contusor	153
elliotti	153
fastigiatus	153
grinnellii	153
grypus	153
herpichanus	153
heterodon	*155*
humilis	153
liodon	153
marylandicus	154
parvus	154
polyodon	*155*
prenasalis	*158*
rugosus	154
sericodon	154
serratus	154
sicarius	154
solaris	154
squankensis	154
stavelianus	154
subulatus	154
sulciferus	154
vorax	154
wheelerii	154
crosbiensis (Leptosuchus)	143
crosbyensis (Leptosuchus)	*143*
Crotalidæ	270
Crotalinæ	*270*
Crotalus	270
adamanteus	271
atrox	271
horridus	271
Crotaphytus	247
crucians (Hyænodon)	480
crucians (Sinopa)	*480*
crucidens (Cynarctus)	509
crucifer (Edaphosaurus)	*58*
cruciger (Dimetrodon)	*58*
cruciger (Edaphosaurus)	58
cruciger (Naosaurus)	*58*
Crucipes	10
parva	10
parvus	*10*
cruentus (Hyænodon)	480
cruentus (Hyracodon)	*480*
Cryptodira	*83*

	Page
Cryptodiræ	*83*
Cryptodiri	*83*
Cryptotis	442
floridana	442
Ctenacodon	377
laticeps	377
nanus	*378*
potens	*378*
serratus	378
Cteniogenys	256
antiquus	256
cubitalis (Triplopus)	735
Cuculi	*346, 347*
Cuculidæ	347
Cuculiformes	346, 347
Cuculinæ	*347*
cucullatus (Lophodytes)	309
cucullatus (Mergus)	*309*
Cuculoidæ	347
Cuculoideæ	*347*
culbertsoni (Merycoidodon)	*780*
culbertsoni (Oreodon)	*780*
culbertsonii (Anomœpus)	4
culbertsonii (Merycoidodon)	780
culbertsonii (Oreodon)	*780*
culbertsonii (Ornithichnites)	*4*
cultrata (Testudo)	103
cultridens (Anacodon)	464
cultridens (Telmatherium)	714
cumberlandensis (Platygonus)	773
cumminsii (Canimartes)	530
cumminsii (Equus)	*696*
cumminsii (Merychippus)	*696*
cumminsii (Pliohippus)	696
cumminsii (Protohippus)	*696*
cuneatus (Anomœpus)	4
cuneatus (Grallator)	13
cuneatus (Mesohippus)	674
cuneatus (Miohippus)	*674*
cuneum (Dinoceras)	*618*
cuneum (Uintatherium)	618
Cunichnoides	10
marsupialoides	10
cunicularia (Speotyto)	351
Cuniculus	*899*, 913
hudsonius	*899*
nelsoni	913
paca	913
Cuon	504
Cupidonia	*326*
cupido	*326*
pallidicinctus	*326*
Cursipes	10
dawsoni	10
levis	10
cursor (Merycoides)	787
cursorius (Grallator)	13
curtidens (Didymictis)	482
curtidens (Nyctitherium)	434
curtidens (Viverravus)	*482*
curtirostris (Lestosaurus)	*260*
curtirostris (Platecarpus)	260
curtisi (Sigmodon)	894
curtum (Anthracotherium)	*759*
curtum (Brontotherium)	722

	Page
curtus (Cimolestes)	*392*
curtus (Diaphorodon)	392
curtus (Dipoides)	884
curtus (Entoptychus)	876
curtus (Heptacodon)	759
curtus (Merychyus)	787
curvatus (Anomœpus)	4
curvatus (Stenodactylus)	*21*
curvatus (Sustenodactylus)	21
Curvicornes	*838*
curvicornis (Bison)	*852*
curvicristis (Coryphodon)	615
curvicristus (Coryphodon)	*615*
curvidens (Desmatochœrus)	*784*
curvidens (Equus)	*703*
curvidens (Megalonyx)	408
curvidens (Promerycochœrus)	784
cuspidatum (Diceratherium)	744
cuspidatus (Coryphodon)	615, *616*
cuspidatus (Cynodesmus)	491
cuspidatus (Eohippus)	668
cuspidatus (Microsus)	756
cuspidatus (Orohippus)	*668*, *669*
cuspidatus (Oxyclænus)	460
cuspidens (Schizolophodon)	727
cuspigerus (Amphicyon)	*506*
cuspigerus (Paradaphænus)	506
cutleri (Centrosaurus)	*222*
cutleri (Cimolestes)	*394*
cutleri (Eodelphis)	394
cutleri (Monoclonius)	222
cuvieri (Mastodon)	625
Cuvieronius	*630*
cyane (Echmatemys)	95
cyaneus (Circus)	*320*
cyanocephalus (Euphagus)	358
cyanocephalus (Psarocolius)	*358*
cyanocephalus (Scolecophagus)	*358*
Cyanocitta	355
stelleri	355
cyanoptera (Anas)	*306*
cyanoptera (Querquedula)	306
Cyclopidius	790
brevifacies	790
decedens	790
emydinus	790
heterodon	790
incisivus	790
lullianus	790
schucherti	791
simus	*790*, 791
cyclops (Deinictis)	*541*
cyclops (Dinictis)	541
cyclopygia (Testudo)	*104*
Cygninæ	300
Cygnus	300
buccinator	301
columbianus	301
matthewi	301
paloregonus	301
cylindricus (Brachyostracon)	421
cylindrifer (Stylinodon)	401
Cylindrodon	907
fontis	907
Cylindrodontidæ	907
cymatias (Desmostylus)	*655*
Cymbospondylus	124
grandis	125
natans	125
nevadanus	125
petrinus	125
piscosus	125
Cynarctus	509
acridens	509
crucidens	509
saxatilis	509
Cynocercus	*86*, 87
incisus	*86*, 87
Cynodesmus	491
brachypus	491
cuspidatus	491
minor	491
thomsoni	492
thooïdes	492
Cynodictinæ	490, *494*
Cynodictis	490
angustidens	490
geismarianus	*492*
gregarius	490
hylactor	*491*
lippincottianus	491
oregonensis	491
paterculus	491
temnodon	491
Cynodon	491
Cynodontia	61
Cynodontinæ	*490*
Cynodontomys	449
angulatus	449
angustidens	449
latidens	449
scottianus	449
Cynoidea	*488*, *489*
cynoides (Hyænognathus)	509
Cynoidei	*488*
Cynomys	872
ludovicianus	872
lupovicianus	*872*
niobrarius	872
Cyon	*504*
Cynorca	770, *775*
proterva	770, *775*
cyphodon (Suchoprion)	172
Cyphornis	290
magnus	290
Cyrtodelphis	590
crassangulum	591
depressus	591
schizodelphis	*590*
Cystophora	561
cristata	562
proboscidea	*562*
Cystophorinæ	561
Dæodon	*765*, 766
calkinsi	766
humerosus	*765*
shoshonensis	766
Dafila	305
acuta	305
daggetti (Felis)	553

	Page
daggetti (Morphnus)	*317*
daggetti (Wetmoregyps)	317
dakotensis (Agriochœrus)	777
dakotensis (Cænopus)	*725*, 742
dakotensis (Colodon)	725
dakotensis (Eusmilus)	545
dakotensis (Hoplophoneus)	*545*
dakotensis (Ictops)	430
dakotensis (Mesonyx)	468
dakotensis (Pseudolabis)	795
dakotensis (Pseudolobis)	*795*
dallasi (Camelops)	804
dalli (Ovis)	843
Dama	*820*
dolichopsis	*821*
ensifer	*821*
lævicornis	*821*
virginiana	*811*
whitneyi	*821*
danæ (Ornithichnites)	*21*
danæ (Pelargides)	*21*
danana (Aquila)	317
dananus (Anchisauripus)	3
dananus (Eubrontes)	*3*
dananus (Eupalamopus)	12
dananus (Geranoaëtus)	317
Daphænodon	*508*
superbus	*508*
Daphænus	*504*
dodgei	*505*
felinus	*505*
hartshornianus	*505*
nebrascensis	*505*
robustus	*505*
superbus	*509*
vetus	*505*
Daphœnodon	508
periculosus	508
superbus	508
supurbus	*508*
Daphœnus	504, *508*
angustidens	*490*
dodgei	505
felinus	505
hartshornianus	505
inflatus	505
nebrascensis	505
robustus	505
vetus	505
vitus	*505*
Daptophilus	*542*
squalidens	*542*
darbyi (Archæotherium)	763
darbyi (Oligobunis)	525
dares (Taphrosphys)	74
Dasipidæ	*415*
dasypelix (Myolestes)	435
Dasypidæ	*415*
Dasypoda	*415*
Dasypodidæ	415
Dasypodididæ	*415*
Dasypodinæ	416
Dasypodini	*416*
Dasypodoidæ	415
Dasyprocta	*913*
Dasyproctidæ	913
Dasyproctinæ	*913*
Dasyproctini	*913*
Dasypus	416
dasypus (Metacheiromys)	422
Datheosauridæ	*31*
Datheosaurus	*31*
davidsoni (Eschrichtius)	*572*
davidsoni (Escrichtius)	*572*
davidsonii (Cetotherium)	572
davisi (Canis)	498
davisi (Hoplophoneus)	*542*
davisi (Pogonodon)	542
dawkinsianus (Viverravus)	483
dawsoni (Brachyceratops)	*222*
dawsoni (Cursipes)	10
dawsoni (Monoclonius)	222, *224*
Deanea	*4*
fulicoides	*4*
fuliculoides	*4*
deaniana (Platypterna)	18
deanii (Platypterna)	*18*
debile (Amblotherium)	373
debilis (Archælurus)	543
debilis (Delphinodon)	587
debilis (Nimravus)	543
debilis (Phoca)	*587*
debilis (Phocodon)	*587*
debilis (Squalodon)	*587*
decedens (Chænohyus)	769
decedens (Cyclopidius)	790
decedens (Pithecistes)	*790*
decedens (Thinohyus)	*769*
decipiens (Hyopsodus)	*443*
decora (Leptauchenia)	789
deflectus (Æpinacodon)	760
deflectus (Hyopotamus)	760
deflocatus (Anancus)	631
dehiscens (Arachnichnus)	5
Deinictis	541
bombifrons	541
brachyops	*542*
cyclops	541
felina	541
fortis	542
major	*543*
paucidens	542
platycopis	*542*
squalidens	542
Deinodon	176, *179*
amplus	*180*
cristatus	*180*
explanatus	*181*
falculus	177
hazenianus	177
horridus	177, *183*
incrassatus	177, *179*
lævifrons	*181*
lateralis	177
Deinodontidæ	176
Deinodontinæ	176
Deinosauria	*164*
Deinosuchus	*156*
hatcheri	*156*
Deiopeus	*50*

	Page
Deiopeus—*Continued*	
leptocephalus	*50*
Deirochelys	97
floridana	97
dekayi (Mosasaurus)	262
dekayi (Thoracosaurus)	*150*
delicata (Trachemys)	97
delicatior (Paramys)	902
delicatior (Plesiarctomys)	*902*
delicatissimus (Paramys)	*903*
delicatissimus (Plesiarctomys)	*903*
delicatissimus (Reithroparamys)	903
delicatula (Platypterna)	18
delicatulus (Batrachichnus)	7
delicatus (Centracodon)	428
delicatus (Merychyus)	787
delicatus (Paramys)	902
Delphinapteridæ	*593*
Delphinapterinæ	593
Delphinapterus	593
catodon	*593*
leucas	594
orcina	594
ruschenbergeri	594
vermontanus	594
Delphinavus	588
newhalli	588
Delphini	*586*
Delphinida	*586*
Delphinidæ	585
Delphinina	*586*
Delphininæ	586
Delphinocete	*578*
Delphinoceti	*578*
Delphinodon	587
debilis	587
dividum	588
leidydividum	*588*
leidyi	588
mento	588
venustus	588
wymani	*588*
Delphinoidea	*579, 586*
Delphinosaurus	126
perrini	126
Delphinurus	*588*
newhalli	*588*
Delphinus	*586*, 588, *593*
leucas	*594*
occiduus	*589, 593*
Delphodon	392
comptus	392
Deltatherium	462
fundaminis	462
interruptum	462
Dendrocygna	304
eversa	304
Dendrocygninæ	304
densa (Leptauchenia)	789
Denticete	*578*
denticulatus (Chamops)	246
depressa (Echmatemys)	95
depressidens (Paromomys)	929
depressifrons (Dicotyles)	*772*
depressus (Camptosaurus)	205
depressus (Cyrtodelphis)	591
depressus (Glyptops)	70
depressus (Mosasaurus)	262
depressus (Schizodelphis)	*591*
depressus (Sciuravus)	909
Dermatemydidæ	87
Dermatemydinæ	*87*
Dermatemys	*87*
costilata	*92*
tricarinata	*92*
Dermatochelys	*68*
Dermochelidæ	*68*
Dermochelydæ	*68*
Dermochelydidæ	*68*
Dermochelyidæ	67
Dermochelynæ	*68*
Dermochelys	68
coriacea	*68*
Dermodactylus	161
montanus	161
Desmathyus	770
ferus	770
pinensis	770
siouxensis	770
subæquans	*769*
Desmatippus	*680*
crenidens	*681*
Desmatochelydinæ	*77*
Desmatochelyidæ	77
Desmatochelys	77
lowii	77
Desmatochœrus	*784*
curvidens	*784*
Desmatodon	36
hollandi	36
Desmatognathus	*557*
oregonensis	*557*
Desmatophoca	557
oregonensis	557
Desmatophocidæ	557
Desmatosuchia	*139*
Desmatosuchidæ	139
Desmatosuchiformes	139
Desmatosuchus	140
spurensis	140
Desmatotherium	725
guyoti	725
Desmochelys	*77*
Desmognathæ	*280*
Desmospondylus	*30, 31*
anomalus	*31*
Desmostylidæ	654
Desmostyliformes	654
Desmostylus	655
californicus	655
cymatias	*655*
hesperus	655
sookensis	655
Desmotippus	*681*
despiciens (Hyopsodus)	443
deweyanus (Anisopus)	*8*
deweyanus (Batrachopus)	8
deweyi (Batrachopus)	*8*
dextratus (Amblypus)	2
Diacium	*255*, 256

	Page
Diacium—*Continued*	
quinquepedale	256
unipedale	255
Diacodexis	444, 756
brachystomus	756
chacensis	756
laticuneus	756
metsiacus	756
nuptus	756
olseni	756
robustus	757
secans	757
Diacodon	431
alticuspis	431
bicuspis	431
celatus	434
puercensis	431
diaconus (Limnohyops)	713
diaconus (Palæosyops)	713
Diadectes	33
biculminatus	34
fissus	34
huenei	34
latibuccatus	34
lentus	34
maximus	34
molaris	34
phaseolinus	34
sideropelicus	35
Diadectidæ	33
Diadectiformes	33
Diadectoides	36
cretin	36
Diadectomorpha	33
Diadectosauria	33
Diaphorocetus	597
mediatlanticus	597
Diaphorodon	392
curtus	392
Diapsida	129
Diaptosauria	130, 131
Diasparactus	36
xenos	36
zenos	36
diatomaticus (Puffinus)	288
Diatrimidæ	283
Diatryma	283
ajax	283
filifera	283
filiferum	283
gigantea	283
giganteum	283
regens	283
steini	283
Diatrymæ	283
Diatrymatidæ	283
Diatrymatiformes	283
Diatrymidæ	283
Dibelodon	624, 630, 634
andium	632
cordillerarum	632
edensis	631
humboldtii	631
mirificus	633
obscurum	637

	Page
Dibelodon—*Continued*	
præcursor	638
tropicus	633
Dibunodon	630
Diceratheriinæ	743
Diceratherinæ	743
Diceratherium	743
aberrans	745
advenum	737
annectens	744
arikarense	745
armatum	744
arrikarense	745
avum	743
brachyodus	746
cooki	745
cuspidatum	744
gregorii	744
hesperium	744
lobatum	744
loomisi	745
nanum	744
niobrarense	744
niobrarensis	744
oregonense	745
pacificum	745
petersoni	745
proavitum	743
schiffi	745
tridactylum	743
truquianum	745
Diceratops	226
hatcheri	226
Dichobune	753
Dichobuniæ	753
Dichobunidæ	753
Dichobuninæ	753
Dichobunoidæ	752
Dichobunoidea	752
dickensonensis (Eporeodon)	781
dickeyi (Branta)	302
dickinsonensis (Eucrotaphus)	781
Diclonius	209, 210
calamarius	211
mirabilis	211
pentagonus	211
perangulatus	211
Dicotyles	770, 772, 774, 775
condoni	772
compressus	772
cristatus	772
depressifrons	772
leptorhinus	772
pennsylvanicus	774
Dicotylidæ	769
Dicotylinæ	769
Dicotylini	777
Dicranoceros	835
Dicroceras	830
Dicrocerus	816
furcatus	831
gemmifer	818
necatus	831
teres	816
tehuanus	832

Page

Dicrocerus—*Continued*
trilateralis *818*
Dicrocynodon 374
victor 375
Dicrocynodontidæ 374
Dicrostonyx 899
grœnlandicus 899
hudsonius *899*
torquatus *899*
Dicynodon 63
rosmarinus *63*
rosmarus 63
Dicynodontia *62, 63*
Dicynodontidæ 62
Dicynodontiformes 62
Didanodon *211*
altidens *211*
Didelphia 385, *389*
Didelphida *385*
Didelphidæ 389
Didelphii *385*
Didelphiidæ *389*
Didelphinæ 392
Didelphis *392*, 394
alternans *393*
comstocki *393*
fugax *393*
huntii *393*
marginalis *393*
marsupialis *395*
pygmæa *393*
scalaris *393*
tricuspis 393
valens 394
virginiana 394
Didelphodon *390*, 432
comptus 392
ferox 390
vorax 391
Didelphodontinæ 432
Didelphodus *390*
absarokæ 432
secundus 432
ventanus 432
Didelphoidæ 389
Didelphoidea *389*
didelphoides (Ictops) *425*
didelphoides (Palæosinopa) 425
Didelphops *390*
comptus *392*
ferox *390*
vorax *391*
Didelphydæ *389*
Didelphyidæ *389*
Didelphys *394*
comstocki *393*
marsupialis *395*
pygmæa *393*
valens *394*
virginiana *395*
vorax *391*
didelta (Microtus) 897
dideltus (Microtus) *897*
Didymictis 482
altidens 482

Page

Didymictis—*Continued*
curtidens 482
haydenianus 482
leptomylus 482
lysitensis 483
massetericus *484*
pretenus *483*
primus *482*
protenus 482
Digitigrada *488*
digitigrada (Platypterna) 18
Digitigrades *488*
digona (Cimolomys) 381
Dilambdodonta *450*
dilatus (Habrosaurus) 256
Dilophodon 724
minusculus 724
diluviana (Mustela) 528
diluvianus (Microtus) 897
Dimetrodon *49*, 53, 54
cruciger *58*
dollovianus 55
giganhomogenes 55
gigas 55
incisivus 55, 56
longiramus 56
macrospondylus 56
navajoicus *49*
navijoicus *49*
obtusidens 56
platycentrus 56
rectiformis *55*
semiradicatus *55*
Dimetrodontinæ *52*
Dimetrodontoidea *51*
Dinælurus 545
crassus 545
Dinamosaurus *179, 180*
imperiosus *180*
Dinarctotherium 523
merriami 523
Dinictis *541*
bombifrons *541*
brachyops *542*
cyclops *541*
felina *505, 541*
fortis *542*
major *543*
paucidens *542*
platycopis *542*
squalidens *542*
Dinobastis 547
ischyrus *546*
serus 547
Dinoceras *617*
agreste *618*
cuneum *618*
distans *618*
ingens *618*
laticeps *619*
lucare *619*
mirabile *619*
reflexum *619*
Dinocerata *613*
Dinoceratidæ *617*

	Page
Dinocerea	*613*
Dinochœrus	*764*
hollandi	*765*
Dinocyon	511
diversidens	*512*
gidleyi	*508*
meandrinus	*508*
ossifragus	512
ursinus	*513*
Dinodon	*176, 177*
horridus	*177*
Dinodontidæ	*176*
Dinohyus	764
hollandi	765
mento	765
Dinophis	*267*
grandis	*267*
Dinosauria	164
Dinotherioidea	*621*
dinotherioides (Gomphotherium)	636
dinotherioides (Mastodon)	*636*
dinotherioides (Rhynchotherium)	*636*
dinotherioides (Tetrabelodon)	*636, 638*
Dinoziphius	598
carolinensis	598
Diomeda	*287*
Diomedea	287
nigripes	288
Diomedeidæ	287
Diomedeinæ	*287*
Diomedidæ	*287*
Diomedinæ	*287*
Diopæus	*50*
leptocephalus	*50*
Diopeus	50
leptocephalus	50
Dioplodon	*584*
prorops	*585*
Dioplosaurus	236, *585*
acutosquameus	236
Dioplotherium	*655*
manigaultii	*656*
Diplacodon	*714, 715*
elatus	714
emarginatus	*715*
Diplacodus	*720*
avus	*720*
Diplarthra	*600, 664*
Diplobunops	757
matthewi	757
Diplobunopsinæ	*757*
Diploceras	*716*
osborni	*716*
Diploclonus	*720*
amplus	*720*
diploconum (Telmatherium)	*717*
diploconus (Rhadinorhinus)	717
Diplocynodon	*155, 374*
sphenops	156
victor	*375*
Diplocynodontinæ	*374*
Diplocynodus	*155, 156*
polyodon	*155*
sphenops	*156*
Diplodocia	*189*

	Page
Diplodocidæ	197
Diplodocus	197, 199
carnegiei	*199*
carnegii	199
hayi	199
lacustris	199
longus	199
Diplolophus	873
insolens	873
parvus	880
diplophysus (Pleurolicus)	877
Diplosaurus	*146*
felix	*146*
nanus	*146*
Diplotherium	*656*
manigaultii	*656*
Diplotomodon	264
horrificus	264
Diplotremata	129
Dipodida	*910*
Dipodidæ	910
Dipodoidæ	901
Dipodoidea	*901*
Dipodomys	881
agilis	*881*
minor	881
dipodus (Oxyænodon)	*475*
Dipoides	883
brevis	*883*
curtus	884
lecontei	884
tortus	884
Dipriodon	*382*, 384
lunatus	384
robustus	384
Diprionomys	881
magnus	881
parvus	881
Diprotodonta	*375*
Dipsalidictis	474
platypus	474
Dipus	*910*
americanus	*910*
Diracodon	*234*, 235
laticeps	*234*, 235
Diracondon	*235*
laticeps	*235*
direptor (Hyænognathus)	509
dirus (Ænocyon)	501
dirus (Canis)	*501*
discors (Anas)	*306*
discors (Querquedula)	306
Discosaurus	120
planior	120
vetustus	120
discurus (Stegosaurus)	234
discus (Baptanodon)	*127*
dispar (Batrachopus)	8
dispar (Brontops)	*721*
dispar (Camptosaurus)	205
dispar (Clidastes)	263
dispar (Edestosaurus)	*263*
dispar (Heteromeryx)	813
dispar (Ichthyornis)	282
dispar (Megacerops)	720

	Page
dispar (Titanotherium)	*721*
dispar (Tylosaurus)	263
Disparactus	*36*
disparidigitatum (Argozoum)	6
Disporomorphæ	*289, 293*
Dissacus	467
carnifex	*467*
leptognathus	*470*
longævus	467
navajovius	467
navijovicus	*467*
prænuntius	467
saurognathus	467
dissimilis (Megalonyx)	408
distans (Dinoceras)	*618*
distans (Eohyus)	604
distans (Hyopsodus)	*444*
distans (Lemuravus)	*444*
distans (Moropus)	662
distans (Testudo)	103
distans (Tinoceras)	*618*
distans (Uintatherium)	618
distincta (Helopanoplia)	108
Distrophæus	*201*
ditrigonus (Catathlæus)	*611*
ditrigonus (Ectoconus)	611
Diungulati	*751*
divaricans (Macropterna)	*18*
divaricans (Palamopus)	18
divaricatum (Brontozoum)	*11*
divaricatus (Eubrontes)	11
divaricatus (Steropoides)	21
divergens (Odobenus)	560
divergens (Trichechus)	*560*
diversidens (Borophagus)	512
diversidens (Caulodon)	192
diversidens (Dinocyon)	*512*
diversus (Steropoides)	*21*
dividum (Delphinodon)	588
Docodon	375
striatus	375
dodgei (Daphænus)	*505*
dodgei (Daphœnus)	505
Dolichobrachium	60
gracile	60
dolichoceras (Brontotherium)	722
dolichognathus (Chamasaurus)	45
Dolichopodus	10
tetradactylus	10
dolichops (Hipparion)	692
dolichops (Neohipparion)	*692*
dolichops (Sthenictis)	536
dolichopsis (Dama)	*821*
dolichopsis (Odocoileus)	821
dolichopus (Polycotylus)	116
Dolichorhinæ	*711*
Dolichorhinus	715
cornutus	715
fluminalis	716
heterodon	716
hyognathus	716
intermedius	716
longiceps	716
superior	716
Dolichorhynchops	*117*
Dolichorhynchops—*Continued*	
osborni	*117*
Dolichorhyncops	*117*
Dolichorhynchus	*117*
dolloverianus (Embolophorus)	*55*
dollovianus (Dimetrodon)	55
dollovianus (Embolophorus)	*55*
Domnina	436
crassigenis	436
gradata	436
Dorcelaphus	*820*
hemionus	*821*
virginianus	*822*
dorsalis (Neurodromicus)	271
dorsatum (Erethizon)	912
dorsatus (Erethizon)	*912*
dorseyana (Wasatchia)	753
Dorudon	568
serratus	568
Dorudontidæ	568
Doruodon	*568*
Doryodon	*568, 579*
pygmæus	*579*
doughtei (Phytosaurus)	*142*
doughtyi (Phytosaurus)	142
doughtyii (Machæroprosopus)	*142*
douglasi (Citellus)	*871*
douglasi (Spermophilus)	*871*
douglasii (Arctomys)	*871*
douglasii (Citellus)	871
douglassi (Echmatemys)	95
douglassi (Limnocyon)	474
douglassi (Uintasaurus)	192
douglasii (Otospermophilus)	871
douglasii (Sciurus)	874
Drepanomeryx	815
falciformis	815
Drolestes	*372*
Dromæognathæ	*280*
Dromæopappi	277
Dromæosaurus	180
albertensis	180
cristatus	180
explanatus	181
gracilis	181
læviírons	181
Dromæosaurinæ	*176*, 180
Dromatherida	*367*
Dromatheridæ	*367*
Dromatheriidæ	367
Dromatherium	368
silvestre	*368*
sylvestre	368
Dromicinæ	*269*
Dromillopus	*7*, 10
celer	7
obtusus	10
parvus	11
quadratus	11
quadrifidus	11
Dromocyon	468
intensis	*469*
velox	*469*
vorax	469
Dromomeryx	*816*, 819

	Page
Dromomeryx—*Continued*	
americanus	*816*
angustidens	819
antilopinus	819
borealis	819
madisonius	820
parvus	820
texanus	820
vigoratus	*819*
whitfordi	820
whithordi	*820*
Dromopus	*7*, 11
aduncus	11
agilis	11
celer	*7*
quadrifidus	*11*
velox	11
woodworthi	11
Dromotherium	*368*
sylvestre	*368*
drummondanus (Leptomeryx)	*810*
drummondanus (Mesocyon)	493
Drymarchon	269
corais	269
couperi	269
Drymohippus	*678*, *679*
nevadensis	*679*
Dryolestes	372
arcuatus	*373*
gracilis	*373*
obtusus	372
priscus	373
tenax	373
vorax	373
Dryolestidæ	372
Dryosaurus	*181*, 206
altus	206
grandis	*181*
Dryptodon	400
crassus	400
Dryptosauridæ	*176*
Dryptosaurus	*174*, 177, 181
aquilunguis	178
cristatus	180
explanatus	*181*
falculus	*177*
hazenianus	*177*
incrassatus	*177*, *179*
kenabekides	*177*
lævifrons	*181*
macropus	181
medius	178
potens	178
trihedrodon	*174*
dubia (Cerorhinca)	343
dubius (Hyænognathus)	509
dubius (Nothodectes)	446
dubius (Pelicopsis)	374
dubius (Plesiodapis)	*446*
dubius (Porthocyon)	*509*
dumblianus (Palæoctonus)	171
Duovestigia	11
scala	11
duplex (Stegosaurus)	234
Duplicidentata	858

	Page
durinasus (Metopocetus)	573
Dusignathus	558
santacruzensis	558
Dyceratherium	*743*
Dynamosaurus	*180*
imperiosus	*180*
dysclerus (Limnocyon)	*475*
dysclerus (Oxyænodon)	475
Dyseomeryx	*819*
marshi	*818*
riparius	*819*
sinclairi	*819*
Dysganus	215
bicarinatus	215
encaustus	216
haydenianus	216
peiganus	216
dysodus (Limnocyon)	*475*
dysodus (Oxyænodon)	475
dysotus (Limnocyon)	*475*
dyspelor (Liodon)	*259*
dyspelor (Tylosaurus)	259
Dysporomorphæ	*287*, *289*
dyssodus (Oxyænodon)	*475*
Dystrophæus	201
viæmalæ	201
viemale	*201*
Dystropheus	*201*
Dytes	286
californicus	286
eakini (Baropezia)	7
earlei (Metarhinus)	717
eatoni (Colinus)	326
Eboroziphius	583
cælops	*583*
cœlops	583
Echinatemys	*95*
Echmatemus	*95*
Echmatemys	95
ægle	95
arethusa	95
callopyge	95
cibollensis	95
cyane	95
depressa	95
douglassi	95
euthneta	95
haydeni	95
hollandi	95
latilabiata	95
lativertebralis	95
megaulax	95
naomi	95
obscura	95
ocyrrhoë	95
pusilla	95
rivalis	95
septaria	95
shaughnessiana	96
stevensoniana	96
testudinea	96
uintensis	96
wyomingensis	96
Ectacodon	*615*
Ectagonus	*400*

Page

Ectagonus—*Continued*
novomehicanus ... *400*
Ectocion ... 606
osbornianum ... 606
parvum ... 606
ralstonense ... 606
superstes ... 606
Ectoconodon ... 391
petersoni ... 391
Ectoconus ... 610
ditrigonus ... 611
Ectocynodon ... 43
ordinatus ... 43
Ectocyon ... *606*
osbornianum ... *606*
Ectoganus ... *400*, 401
gliriformis ... 401
novomehicanus ... *400*
Ectypodus ... 381
musculus ... 381
edæ (Testudo) ... 103
Edaphosauria ... *57*
Edaphosauridæ ... 57
Edaphosauriformes ... 57
Edaphosauroidea ... *57*
Edaphosaurus ... 57, 58
claviger ... 58
cruciger ... 58
microdus ... 58
novomexicanus ... 58
pogonias ... 58
raymondi ... 59
edax (Uintacyon) ... 484
edensis (Anancus) ... 631
edensis (Cordillerion) ... *631*
edensis (Dibelodon) ... *631*
edensis (Gomphotherium) ... 631
edensis (Hypolagus) ... 866
edensis (Pliohippus) ... 696
edensis (Plionarctos) ... 518
edensis (Prosthennops) ... 771
edensis (Protocamelus) ... 798
edensis (Rhynchotherium) ... *631*
edensis (Tetrabelodon) ... *631*
edensis (Trilophodon) ... *631*
Edentata ... 401
Edentati ... 403
Edentula ... *402*
Edestosaurus ... *262*
dispar ... *263*
velox ... *264*
wymani ... *264*
ediæ (Testudo) ... *103*
edmontoni (Thespesius) ... 212
Edmontonia ... 237
longiceps ... 237
Edmontosaurus ... 213
regalis ... 213
edvardsianus (Laornis) ... 301
eelsi (Elephas) ... 646
effera (Proictinia) ... 314
effodiens (Hemicaulodon) ... 657
egregia (Amyda) ... 111
egregium (Aceratherium) ... *744*
egregius (Metacænopus) ... *744*, *745*

Page

egregius (Metaccenopus) ... *744*
egregius (Trionyx) ... *111*
egrerius (Aceratherium) ... *744*
egretta (Herodias) ... 295
ehlersi (Promystriosuchus) ... 144
eira (Felis) ... *553*
Elachoceras ... 620
parvum ... 620
Elani ... *314*
Elaninæ ... 314
Elanus ... 314
glaucus ... *314*
leucurus ... 314
Elaphus ... 829
canadensis ... *829*
elaphus (Cervus) ... *829*
Elasmosauridæ ... 117
Elasmosaurinæ ... *117*
Elasmosaurus ... 117
intermedius ... 118
ischiadicus ... 118
marschi ... *118*
marshi ... 118
nobilis ... 118
orientalis ... 118
platurus ... *118*
platyurus ... 118
serpentinus ... 118
snowi ... *118*
snowii ... 118
sternbergi ... 118
Elasmotheriinæ ... *746*
elatum (Titanotherium) ... *722*
elatus (Moropus) ... 662
elatus (Titanops) ... *722*
elatus (Diplacodon) ... 714
elatus (Triceratops) ... 228
Elcabrosaurus ... 50
baldwini ... 51
Elcobresaurus ... *50*
baldwini ... *51*
Elcobrosaurus ... *50*
Elefantidæ ... *622*
elegans (Anisacodon) ... *426*
elegans (Blastomeryx) ... 818
elegans (Bunomeryx) ... 754
elegans (Elpidophorus) ... 463
elegans (Eumys) ... 892
elegans (Gomphotherium) ... *630*, 633
elegans (Merychyus) ... 787
elegans (Microsyops) ... 450
elegans (Mionictis) ... 536
elegans (Notharctus) ... *450*
elegans (Pantolestes) ... 426
elegans (Pediomys) ... 390
elegans (Peradectes) ... 393
elegans (Plectropterna) ... 19
elegans (Stegomastodon) ... 633
elegans (Sterna) ... *342*
elegans (Steropoides) ... 21
elegans (Tarsoplectrus) ... *19*
elegans (Thalasseus) ... 342
elegans (Trihamus) ... 22
Elephantidæ ... 622, *640*
Elephantina ... *622*

Page

Elephantinæ ---- *622*, 640
Elephantini ---- *623*
Elephantoidea ---- *621*, 622
elephantopus (Coryphodon) ---- 615, *616*
Elephas ---- *623*, 640
americæ ---- *647*
americanus ---- *629*, *643*, *644*, *650*, *651*
beresovkius ---- *649*
boreus ---- *642*, 643, 644
campylotes ---- *648*
colombi ---- *645*, *651*
columbi ---- *643*, 644, *649*, *650*
columbianus ---- *644*
eellsi ---- 646
exilis ---- 646
falconeri ---- 646
felicis ---- *646*
francisi ---- 646
haroldcooki ---- 646
hayi ---- 646
imperator ---- 646
imperialis ---- *647*
indianapolis ---- *644*, *651*
jacksoni ---- *643*, *644*, *650*, *651*
jeffersonii ---- *642*, *643*, *646*, *650*
maibeni ---- 648
mammonteus ---- *648*
mamonteus ---- *648*
mastodonta ---- *629*
mastodonteus ---- *629*
mastodontus ---- *625*
mississippiensis ---- *644*
ohioticus ---- *625*
paniscus ---- *648*
periboletes ---- *648*
primigenius ---- *643*, 648, *649*, *650*
primogenius ---- *643*, *645*
primordialis ---- *650*
progressus ---- 644
pygmæus ---- *648*
roosevelti ---- 650
rupertianus ---- *651*
scotti ---- 650
silvestris ---- 646
texianus ---- *647*
washingtonii ---- 650
Eligmodontia ---- 893
arizonæ ---- 893
elkader (Toxochelys) ---- 86
ellangowensis (Anthracopus) ---- 5
elliotti (Crocodilus) ---- *153*
elliotti (Crocodylus) ---- 153
Ellipsodon ---- *607*
inæquidens ---- *608*
ellipticus (Aspideretes) ---- 108
Elliptonodon ---- 264
compressus ---- 264
eloisæ (Amyda) ---- 111
Elomeryx ---- 759
angustus ---- 759
armatus ---- 759
mitis ---- 759
elongata (Hoplochelys) ---- 91
elongata (Mephitis) ---- 532
Elosaurus ---- 193

Page

Elosaurus—*Continued*
parvus ---- 193
Elotheridæ ---- *762*
Elotheriidæ ---- *761*, 762
Elotherium ---- 762, *763*
bathrodon ---- 765
calkinsi ---- *766*
clavum ---- *763*
coarctatum ---- *763*
crassum ---- *763*
humerosum ---- 765
imperator ---- *762*
ingens ---- 764
mortoni ---- 764
mortonii ---- *764*
ramosum ---- *765*
superbum ---- 762
uintense ---- *761*
Elphidotarsius ---- 929
florencæ ---- 929
Elpidophorus ---- 463
elegans ---- 463
Elpidosauria ---- 46
elrodi (Merycochœrus) ---- 785
elrodi (Procamelus) ---- 798
elucus (Procyon) ---- *515*
emarginatum (Protitanotherium) ---- 715
emarginatus (Diplacodon) ---- *715*
emarginatus (Osteopygis) ---- 76
Embaphias ---- 120
circulosus ---- 120
Embolobus ---- *60*
fritillus ---- *60*
Embolophorus ---- *54*, 60
dolloverianus ---- *55*
dollovianus ---- *55*
fritillus ---- 60
emiliæ (Baëna) ---- 72
emiliæ (Testudo) ---- 103
eminens (Laolestes) ---- 373
emmonsi (Gomphotherium) ---- 636
emmonsi (Ontocetus) ---- 598
Empedias ---- *34*, 35
alatus ---- 35
fissus ---- *34*
molaris ---- *34*
Empedocles ---- *33*, *34*
molaris ---- *34*
empetra (Arctomis) ---- *871*
Empidens ---- *34*
fissus ---- *34*
Emyda ---- *93*
Emydæ ---- *93*
Emydea ---- *74*
monimopelyca ---- *74*
Emydidæ ---- 93, *99*
Emydinæ ---- *93*, *94*
emydinus (Cyclopidius) ---- 790
Emydoidæ ---- 83
Emydosauri ---- *136*, *150*
Emydosauria ---- *150*
Emys ---- *88*, *93*
beata ---- *89*
belli ---- *96*
carteri ---- *100*

Page

Emys—*Continued*
cibollensis 95
euglypha 97
euthneta 95
haydeni 95
hemispherica 101
jeanesi 96
latilabiata 95
lativertebralis 95
megaulax 95
obscurus 88
pachylomus 95
petrolei 97
polycypha 96
septaria 95, 96
shaughnessiana 96
stevensonensis 96
stevensonianus 95
terrestris 96
testudinea 96
wyomingensis 95, 96
Emysaura 84
Emysaurus 86
serpentinus 85
Enaliosauria 114, 123
encaustus (Dysganus) 215
encinensis (Mixoclænus) 463
enecta (Urubitinga) 318
Enhydrocyon 507
basilatus 507
crassidens 507
oregonensis 507
sectorius 507
stenocephalus 507
Ennacodon 375
affinis 375
crassus 375
Enneodon 375
affinis 375
crassus 375
ennisianus (Lepus) 866
ennisianus (Archæolagus) 866
ennisianus (Palæolagus) 866
ensidens (Saniva) 252
ensidens (Saniwa) 252
ensifer (Cariacus) 821
ensifer (Dama) 821
ensifer (Odocoileus) 821
Entelodon 762, 763
bothrodon 765
calkinsi 766
clavus 763
coarctatus 763
crassus 763
imperator 762
mortoni 764
Entelodontidæ 761, 762
Entelodontinæ 762
Entelodontini 761
Entelonychia 660
entellus (Amblypeza) 75
entoconum (Conacodon) 612
entoconus (Conacodon) 612
entoconus (Haploconus) 612
Entomacodon 428, 435

Page

Entomacodon—*Continued*
angustidens 435
minutus 435
Entomodon 439
comptus 439
Entomolestes 451
grangeri 451
nitens 451
entoptychi (Amphicyon) 506
Entoptychinæ 876
Entoptychus 876
cavifrons 876
crassiramis 876
curtus 876
formosus 876
lambdoideus 876
minimus 876
minor 877
planifrons 877
rostratus 877
sperryi 877
Eobasileidæ 617
Eobasileus 620
cornutus 620
furcatus 620
galeatus 620
pressicornis 620
Eoceornis 295
ardetta 295
Eoceratops 221
canadensis 221
Eoceratopsinæ 220
Eoconodon 466
coryphæus 466
Eodelphis 393
browni 393
cutleri 393
Eodelphys 394
Eodidelphis 394
Eoditremata 130
Eohipparion (Merychippus) 684
Eohippus 667
angustidens 668
borealis 668
craspedotum 668
craspedotus 668
cristatus 668
cristonense 668
cristonensis 668
cuspidatus 668
etsagicus 669
index 669
kraspidotus 668
montanus 669
pernix 669
resartus 669
tapirinus 669
validus 669
vasacciensis 669
venticolus 669
Eohyidæ 602
Eohyus 604
distans 604
robustus 604
Eomeryx 778

Page

Eomeryx—*Continued*
pumilis 778
Eometarhinus 717
huerfanensis 717
Eomoropus 725
amararum 725
annectens 725
eoplacidus (Merychippus) 684
Eopteryx 360
mississippiensis 360
Eosauravus 32
copei 32
eothen (Machæroides) 475
Eotitanops 711
borealis 712
brownianus 712
gregoryi 712
major 712
minimus 712
princeps 712
Eotitanotherium 712
osborni 716
Eotrigonias 739
petersoni 739
rhinocerinus 739
Eotylopus 793
reedi 793
Epanterias 192
amplexus 192
Ephippus *671, 672*
Epiaphelops 746
virgasectus 746
Epichriacus *461*
schlosserianus *461*
Epicyon *497*
Epigælus *909*
hatcheri *909*
Epigaulus 909
hatcheri 909
Epihippus 671, 672
gracilis 672
parvus 672
uintensis 672
Episcoposaurus 144, 145
haplocerus 144
horridus 144
Epitriplopus 735
uintensis 735
epixanthum (Erethizon) 912
epixanthus (Erethizon) *912*
Epoicotheriidæ 422
Epoicotherium 422
unicum 422
Eporeodon *781*, 781
bullatus 782
cedrensis 782
condoni 783
dickinsonensis *781*
helenæ *781*
hybridus *781*
leptacanthus 782
longifrons 782
major 782
montanus *781*
occidentalis 782

Page

Eporeodon—*Continued*
pacificus 782
parvus 783
perbullatus 782
relictus 782
socialis 783
trigonocephalus 783
Eptesicus 455
fuscus 455
grandis 455
melanops *455*
equiceps (Mesohippus) *676*
equiceps (Miohippus) 676
equicomes (Testudo) 103
Equidæ 664
Equinæ 680
equinanus (Miohippus) 676
Equini *666*
equinum (Anchitherium) *679*
equinus (Hypohippus) 679
Equoidæ 664
Equoidea *664*
Equus 699
alaskæ 707
americanus *703*
asinus *709*
barcenæi 703
barcenai *709*
bautistensis 703
caballus 703, *710*
calobatus 703
celticus *703*
complicatus 703
conversidens 704
crenidens 704, *705, 708*
cumminsii *696*
curvidens *703, 706*
euristylus *692*
eurystylus *692*
excelsior *704*
excelsis *705*
excelsus 704, *707, 709*
francisci 705
fraternus *703, 704, 706*
giganteus 705
hatcheri 705
holmesi 705
idahoensis 705
intermedius *703*
jubatus 705
lambei 705
laurentinus *705*
laurentius 705
leidyi 706, *708*
littoralis 706
major *703*
minutus *694*
montezumæ *693*
nevadanus 706
niobrarensis 706
occidentalis 707, *708*
pacificus 707
pectinatus 708
perditus *689*
phlægon *694*

Page

Equus—*Continued*
princeps 708
prjedalskii *703*
proversus *699*
scotti *704*, 708
semiplicatus *703*, 708
simplicidens *699*
tau *703*, *706*, 709
typicus *703*
equus (Hoplichnus) 14
erectus (Amynodon) 737
Eremophila *854*
alpestris *854*
Eremophilus *854*
alpestris *854*
Ereptodon 411
priscus 411
Erethizon *885*, 912
cloacinus *912*
dorsatum 912
dorsatus *912*
epixanthum 912
epixanthus *912*
godfreyi 912
venustus *885*
Erethizontidæ 911
Erethizontinæ *911*
Erignathus 565
barbatus 565
Erinacei *433*
Erinaceidæ 433
Erinaceinæ *429*, 433
Erinaceini *434*
Erinaceoidæ 429
Erinaceoidea *429*
Erinaceomorpha *429*
Erinaceus 433
Erinacidæ *433*
Erismatura 308
jamaicensis 308
rubida *308*
Erismaturinæ 308
Erismaturus *308*
jamaicensis *308*
rubida *308*
ermina (Putorius) *529*
ermineus (Putorius) *529*
erminius (Putorius) *529*
erosa (Propleura) *76*
erosus (Osteopygis) 76
Erquelinnesia 77
molaria 77
errans (Neogyps) 323
Erythizon *912*
erythrorhynchos (Pelecanus) 290
erythrorhynchus (Pelecanus) *290*
escavada (Baëna) 72
Eschatius 806
conidens 806
conideus *806*
longirostris 806
Eschrichtius *572*
davidsonii *572*
Eschrichtius 572
cephalus *572*

Page

Eschrichtius—*Continued*
davidsoni *572*
davodsonii *572*
Essonodon 382
browni 382
Esthonychidæ 854
Esthonychinæ *854*
Esthonychini *854*
Esthonyx 854
acer 854
acutidens 854
bisulcatus 854
burmeisteri *854*
burmeisterii 854
spatularia *855*
spatularius 855
esulcatus (Leptomeryx) 810
etsagicus (Bunophorus) 753
etsagicus (Eohippus) 669
etsagicus (Helohyus) *669*, *753*
etsagicus (Systemodon) *669*
etsagicus (Trigonolestes) *753*
Euapsis *885*
Euarctos 520
americanus 520
floridanus 520
vitabilis *519*
Eubaëna 72
cephalica 72
latifrons 72
Eubelodon *634*, *637*
morrili *637*
morrilli *637*
Eubrachiosaurus 64
browni 64
Eubrontes *2*, 11
approximatus 11
dananus *3*
divaricatus 11
expansus 11
exsertus *3*
giganteus 11
minusculus *3*
platypus 12
titanopelopatidus 12
tuberatus *3*
tuberosus *3*
Eubrontidæ 1
Eucastor *884*
lecontei *884*
tortus *884*
Euceratherium 844
collinum 844
Euclastes *76*, *77*
platyops *77*
Eucosmodon 379
americanus 379
molestus 379
ultimus 379
Eucreodi *481*
Eucrotaphus 781
dickinsonensis 781
helenæ 781
jacksoni 781
jaksoni *781*, *782*

	Page
Eucrotaphus—*Continued*	
major	782
montanus	781
occidentalis	781
Eucrotophus	*781*
jacksoni	*781*
Euelphantinæ	*640*
Euelephas	*641*
columbi	*643*
imperator	*643*
jacksonii	*643, 644*
primigenius	*643, 649*
euglypha (Emys)	*97*
euglypha (Trachemys)	97
Euhapsis	885
brachyceps	*885*
gaulodon	885
platyceps	885
euhypodon (Gomphotherium)	636
euhypodon (Mammut)	*636*
euhypodon (Mastodon)	*636*
euhypodon (Rhynchotherium)	*636*
euhypodon (Tetrabelodon)	*636*
euhypodon (Tetralophodon)	*636*
euhypodon (Trilophodon)	*636*
eulophus (Mesohippus)	674
Eumeces	249
anthracinus	249
Eumetopias	558
jubata	558
stelleri	*558*
Eumys	892
elegans	892
loxodon	*893*
minor	892
Eunotosauria	67
Euoplocephalus	238
tutus	238
Euoplocyon	507
magnus	507
prædator	507
Euornithes	*277, 280*
Eupachemys	*101*
obtusa	*104*
Eupalamopus	12
dananus	12
Euphagus	358
affinis	358
cyanocephalus	358
euphractus (Glyptodon)	420
euphractus (Hoplophorus)	*420*
euphyodon (Trilophodon)	*636*
Euplocephalus	*238*
tutus	*238*
Euprotogonia	*462, 603*
minor	603
puercensis	603
Eurhinodelphidæ	*591*
Eurhinodelphinæ	591
Eurhinodelphis	591
bossi	592
Eurhinosaurus	*129*
Eurhipidura	*277*
Eurhipiduræ	277
Eurinodelphidæ	591

	Page
euristylus (Equus)	*692*
Europlocephalus	*238*
tutus	*238*
Euryacodon	928
homunculus	*929*
lepidus	928
Eurydorus	*145*
serridens	*145*
Eurypterygius	*129*
eurypygia (Cistudo)	*99*
eurypygia (Terrapene)	98
eurystyle (Hipparion)	*692*
eurystylum (Hipparion)	692
eurystylum (Neohipparion)	*692*
eurystylus (Equus)	*692*
Eusmilus	545
dakotensis	545
sicarius	545
whitfordi	545
Eusuchia	*150*
Eusyodon	*749*
fossiger	*749*
maximus	*750*
Eutænia	*270*
sirtalis	*270*
Eutamias	868, *873*
lævidens	*873*
Eutheria	385, *396*
Euthlastes	374
cordiformis	374
euthneta (Echmatemys)	95
euthneta (Emys)	*95*
Eutypomyidæ	882
Eutypomys	882
parvus	882
thomsoni	882
evansi (Leptomeryx)	810
eversa (Dendrocygna)	304
Evotomys	899
gapperi	899
excavatus (Corythosaurus)	218
excavatus (Paramys)	903
excedens (Harpagosaurus)	256
excelsior (Equus)	*704*
excelsis (Equus)	*705*
excelsus (Apatosaurus)	*196*
excelsus (Brontosaurus)	196
excelsus (Equus)	704, *709*
exiguum (Aceratherium)	*742*
exiguus (Cænopus)	742
exiguus (Miacis)	485
exilis (Elephas)	646
eximia (Prosinopa)	924
eximia (Sinopa)	*924*
eximium (Poëbrotherium)	794
eximius (Hyrachyus)	733
eximius (Neurankylus)	70
Exocampe	7, 12
arcta	12
delicatula	*7*
minima	12
ornata	12
exoletus (Mesohippus)	674
exoletus (Miohippus)	*674*
exornata (Testudo)	103

	Page
exortivus (Mylohyus)	774
Exostinus	246
lancensis	246
serratus	246
expansum (Brontozoum)	*11*
expansus (Anchisauripus)	*11*
expansus (Eubrontes)	11
expansus (Siphonocetus)	572
expansus (Tarsodactylus)	21
explanatus (Aublysodon)	*181*
explanatus (Deinodon)	*181*
explanatus (Dromæosaurus)	181
explanatus (Dryptosaurus)	*181*
explanatus (Lælaps)	*181*
exquisita (Amyda)	111
exsertus (Anchisauripus)	3
exsertus (Brontozoum)	*3*
exsertus (Eubrontes)	*3*
extensa (Platypeltis)	112
extincta (Pseudemys)	97
eyra (Felis)	553
fairbanksi (Pliohippus)	697
falcatus (Selenichnus)	20
Falciformes	*310*
falciformis (Drepanomeryx)	815
Falco	*315*, 322
carolinensis	*321*
columbarius	322
cooperi	*315*
falconella	*322*
falconellus	322
ferrugineus	*316*
fusco-cærulescens	322
fusco-cerulescens	*322*
mexicanus	322
peregrinus	322
sparverius	323
velox	*315*
falconella (Falco)	*322*
falconellus (Falco)	322
falconeri (Elephas)	646
falconeri (Gomphotherium)	636
falconeri (Rhynchotherium)	*636*
Falcones	*314*
Falconi	*314*
Falconidæ	320
Falconides	*314*
Falconiformes	310
Falconinæ	321
Falconoidæ	313
Falconoidea	*314*, *320*
falculus (Deinodon)	177
falculus (Dromæosaurus)	*177*
falculus (Dryptosaurus)	177
falculus (Lælaps)	*177*
fallax (Triacodon)	478
fallox (Triacodon)	*478*
Farancia	269
abacura	269
farri (Testudo)	103
fasciata (Columba)	345
fasciatus (Felis)	*555*
fasciatus (Lynx)	555
Fasianus	*328*
fastigiatus (Crocodylus)	153

	Page
fatalis (Smilodon)	549
fatalis (Trucifelis)	*549*
favosus (Conodectes)	31
favosus (Seymouria)	*31*
fax (Palæocrex)	335
feliceps (Brachymeryx)	*791*
felicis (Anancus)	631
felicis (Aphelops)	*749*
felicis (Dibelodon)	*631*
felicis (Elephas)	646
felicis (Mastodon)	*631*
felicis (Teleoceras)	749
Felidæ	539
Felidi	*540*
Felina	*539*, *550*
felina (Deinictis)	541
felina (Dinictis)	*505*, *541*
Felinæ	550
Felini	*550*
felinus (Daphænus)	*505*
felinus (Daphœnus)	505
Felis	550
atrox	552
augustus	552
bebbi	552
calcaratus	*554*
californica	555
canadensis	*554*
centralis	552
concolor	*552*, *553*
cougar	*552*
couguar	552
couguor	*554*
daggetti	553
eïra	*553*
eyra	553
fasciatus	*555*
floridana	*555*
hawveri	553
hillanus	*553*
hillianus	553
hippolestes	*553*
hyænoides	553
imperialis	553
inexpectatus	553
longicrus	553
lynx	*555*
maxima	553
mercerii	*547*
onza	553
oregonensis	553
parvus	*555*
puma	*552*
ruffus	555
rufus	*555*
veronis	554
felix (Diplosaurus)	*146*
felix (Goniopholis)	146
Felix	*553*
imperialis	*553*
felix (Lestosaurus)	*260*
felix (Platecarpus)	260
Feloidæ	538
fenneri (Hypsognathus)	45
Feræ	*456*, *487*

	Page
ferox (Ælurodon)	*496*
ferox (Agriochœrus)	777
ferox (Amyda)	*112*
ferox (Aquila)	318
ferox (Bison)	*851*
ferox (Clænodon)	464
ferox (Coloreodon)	777
ferox (Didelphodon)	390
ferox (Didelphops)	*390*
ferox (Hyposaurus)	147
ferox (Labrosaurus)	*174*, 184
ferox (Megalictis)	526
ferox (Patriofelis)	472
ferox (Platypeltis)	112
ferox (Priacodon)	370
ferox (Sphenacodon)	53
ferox (Temnocyon)	506
ferox (Testudo)	*112*
ferox (Tinodon)	*370*
ferox (Triconodon)	*370*
ferox (Trionyx)	*112*
ferrugineus (Archibuteo))	316
ferrugineus (Falco)	*316*
ferruminatus (Tomiopsis)	417
ferus (Desmathyus)	770
ferus (Pediohyus)	*770*
Fiber	*900*
annectens	*901*
nebrascensis	*901*
oregonus	*901*
zibethecus	*901*
zibethicus	*901*
fiber (Castor)	*887*
fiber-americana (Castor)	*887*
fibratus (Gorgosaurus)	*178*
fieldi (Hyphepus)	15
figginsi (Bison)	*853*
figginsi (Simobison)	853
figginsi (Trigonias)	740
filholianus (Carcinodon)	481
filiatus (Polymastodon)	*384*
filifera (Diatryma)	*283*
filiferum (Diatryma)	283
finni (Neomeryx)	836
firmus (Agomphus)	90
fischeri (Lynx)	555
fisheri (Citellus)	*871*
fisheri (Otospermophilus)	871
fisheri (Spermophilus)	*871*
fissidens (Bathyopsis)	617
fissidens (Miolabis)	*801*
fissidens (Polymastodon)	384
fissidens (Procamelus)	*801*
fissidens (Protolabis)	*801*
Fissipeda	487, *556*
Fissipedes	*487*
Fissipedia	*487*
fissus (Diadectes)	34
fissus (Empedias)	*34*
fissus (Empidens)	*34*
fissus (Monoclonius)	222
fissus (Periptychus)	610
flabellatus (Sterrholophus)	*228*
flabellatus (Triceratops)	228
flagellator (Zarhachis)	596
flagrans (Opisthotomus)	*605*
flagrans (Phenacodus)	605
flammeus (Aluco)	*351*
flammeus (Asio)	351
flammeus (Strix)	*351*
flaviventer (Arctomys)	*870*
flaviventer (Marmota)	870
flaviventris (Marmota)	*871*
flexilis (Asperipes)	6
flexiloquus (Antipus)	5
flexiloquus (Orthodactylus)	*5*
flexus (Monoclonius)	222, *224*
florencæ (Elphidotarsius)	929
floridana (Blarina)	*442*
floridana (Cryptotis)	442
floridana (Deirochelys)	97
floridana (Macrochelys)	85
floridana (Neofiber)	*895*
floridana (Neotoma)	895
floridana (Pseudemys)	97
floridana (Pseudostoma)	*879*
floridana (Querquedula)	306
floridanum (Gomphotherium)	636
floridanum (Mammut)	*636*
floridanum (Metaxytherium)	656
floridanus (Euarctos)	520
floridanus (Felis)	*555*
floridanus (Geomys)	*879*
floridanus (Lepus)	*864*
floridanus (Lynx)	555
floridanus (Machærodus)	*549*
floridanus (Machairodus)	*549*
floridanus (Mastodon)	*636*
floridanus (Serridentinus)	*636*
floridanus (Smilodon)	549
floridanus (Sylvilagus)	864
floridanus (Tetrabelodon)	*636*
floridanus (Trilophodon)	*636*
floridanus (Trucifelis)	*549*
floridanus (Ursus)	*520*
floridianus (Mastodon)	*636*
floriferus (Orthodactylus)	16
fluminalis (Dolichorhinus)	716
fluminis (Amblycastor)	885
fluviatilis (Baptemys)	92
fluviatilis (Metarhinus)	717
fodiens (Tillotherium)	856
foliatus (Catopsalis)	384
fontanus (Aspideretes)	108
fontinalis (Limnohyops)	*712*
fontinalis (Palæosyops)	712
Fontinalis	359
pristina	359
fontis (Cylindrodon)	907
forcipata (Anoplonassa)	584
forcipata (Oxyæna)	471
foris (Manteoceras)	715
Formicariidæ	*354*
Formicaroidæ	354
Formicaroidea	*354*
formosa (Terrapene)	99
formosa (Xenochelys)	92
formosum (Aciprion)	246
formosus (Cimolomys)	*380*
formosus (Entoptychus)	876

	Page
formosus (Grallator)	13
formosus (Halodon)	*380*
formosus (Hipposyus)	*923*
formosus (Notharctus)	923
formosus (Ptilodus)	380
formosus (Troödon)	208
forsteri (Sterna)	342
fortis (Allacodon)	378
fortis (Allodon)	*378*
fortis (Cervus)	830
fortis (Deinictis)	542
fortis (Dinictis)	*542*
fortis (Psalodon)	378
fossatus (Metamosaurus)	60
fossidens (Brachyprotoma)	531
fossidens (Mephitis)	*531*
fossidens (Sorex)	442
fossiger (Aphelops)	*749*
fossiger (Eusyodon)	*749*
fossiger (Rhinoceros)	*749*
fossiger (Teleoceras)	749
fossilis (Aplodontia)	*906*
fossilis (Cervus)	*829*
fossilis (Equus)	*709*
fossilis (Neotoma)	895
fossilis (Sciurus)	*874*
fossor (Chalicomys)	883
fossor (Palæocastor)	*883*
fossor (Steneofiber)	*883*
fossulatus (Merychippus)	*697*
fossulatus (Pliohippus)	697
fossulatus (Protohippus)	*697*
foulkii (Hadrosaurus)	209
foulkii (Trachodon)	*209*
foveatus (Aspideretes)	108
foveatus (Trionyx)	*108*
fraasi (Phalarodon)	124
fractus (Plastomenus)	106
fragilis (Allosaurus)	*174*
fragilis (Androdemus)	*174*
fragilis (Antrodemus)	*174*
fragilis (Cœlurus)	185
fragilis (Geranoaëtus)	317
fragilis (Labrosaurus)	*174*
fragilis (Meniscoëssus)	382
fragilis (Selenacodon)	*382*
fragillimus (Amphicœlias)	200
francescana (Pliohippus)	*697*
francescanus (Pliohippus)	697
franciscæ (Amyda)	111
franciscæ (Trionyx)	*111*
francisi (Æleurodon)	495
francisi (Elephas)	646
francisi (Equus)	705
francisi (Mammut)	*630*
francisi (Merychippus)	684
francisi (Platygonus)	773
francisi (Pœcilospondylus)	48
francisi (Protolabis)	801
francisi (Testudo)	103
frankstounensis (Sorex)	441
fraserianus (Palæosaurus)	*172*
fraserianus (Thecodontosaurus)	*172*
fratercula (Conuropsis)	446
fraterculus (Gavialis)	148
fraterculus (Hyposaurus)	*148*
fraternus (Baptosaurus)	264
fraternus (Equus)	703
fraternus (Mysops)	904
frendens (Amphicyon)	511
freudenbergi (Mylodon)	412
fricki (Amebelodon)	*637*
fricki (Gomphotherium)	637
fricki (Serridentinus)	*638*
Fringillidæ	358
Fringillinæ	358
Fringilloidæ	354
fritillus (Embolobus)	*60*
fritillus (Embolophorus)	60
frontata (Mephitis)	533
frugivorus (Ignacius)	447
frugivorus (Pelycodus)	921, *923*
fugax (Didelphis)	*393*
fugax (Peratherium)	393
fugitiva (Sangamona)	830
fulciatus (Mosasaurus)	262
Fulica	333
americana	334
minor	334
venustus	*332*
fulicaria (Hitchcockia)	*4*
Fulicariæ	*331*
Fulicinæ	333
fulicoides (Deanea)	*4*
Fulicopus	12
giganteus	12
lyellianus	12
fuliculoides (Deanea)	*4*
fuliculoides (Ornithichnites)	*4*
Fuligula	*307*
affinis	*307*
americana	*307*
marila	*307*
Fuligulinæ	306
Fulix	*307*
Fulmarinæ	*288*
Fulmarus	289
glacialis	289
glupischa	289
fulva (Vulpes)	502
fulvus (Canis)	*502*
fumeus (Sorex)	441
fundaminis (Deltatherium)	462
furcata (Antilope)	*831*
furcatus (Antiacodon)	*755*
furcatus (Eobasileus)	620
furcatus (Lophiotherium)	*755*
furcatus (Merycodus)	831
furcatus (Sarcolemur)	755
furcifer (Antilocapra)	*835*
furcifer (Capromeryx)	832
furlongi (Canis)	498
furlongi (Cetotherium)	572
furlongi (Martes)	*528*
furlongi (Mustela)	*528*
fuscipes (Homodontomys)	*896*
fuscipes (Neotoma)	895, 896
fusco-cærulescens (Falco)	322
fuscocerulescens (Falco)	*322*
fuscus (Adelonycteris)	*455*

	Page
fuscus (Eptesicus)	455
fuscus (Thomomys)	878
fuscus (Vespertila)	*455*
fuscus (Vespertilio)	*455*
gabbii (Priscodelphinus)	*589*
gabbii (Tretosphys)	589
galeatus (Eobasileus)	620
galeatus (Tinoceras)	*620*
Galecynus	*490*
geismarianus	*492*
gregorius	*490*
oregonensis	*491*
paterculus	491
Galera	531
macrodon	*531*
galeus (Triceratops)	229
galicornis (Triceratops)	*228*
Galictis	*531*
macrodon	*531*
Galli	*323, 324*
Gallidæ	*328*
Galliformes	323
Gallinaceæ	*323*
Gallinacei	*323*
gallinaceus (Ornithopus)	*20*
Gallinæ	*323*
gallinæ (Chriacus)	461
Gallinago	*337*
Gallini	*324*
Gallinula	334
Gallinulinæ	334
Gallinuloides	325
prentici	*332*
wyomingensis	325
gallinuloides (Anomœpus)	4
gallinuloides (Ornithichnites)	*4*
Gallinuloididæ	325
Galloidæ	324
gallopavo (Meleagris)	330
Gallus	*324, 327, 328*
gambeli (Anser)	*303*
gambeli (Hesperomys)	*893*
gambeli (Peromyscus)	*893*
gambelii (Hesperomys)	*893*
gambelii (Peromyscus)	893
gambelli (Anser)	303
Gamphotherium	*634, 635*
ganei (Heterodontosuchus)	144
ganei (Phytosaurus)	*144*
Ganodonta	397
gapperi (Arvicola)	*899*
gapperi (Evotomys)	899
Garialis	*148*
garmani (Mylodon)	412
Garrulinæ	355
gaudrianus (Triisodon)	465
gaudryanus (Triisodon)	*465*
gaudryi (Agriochœrus)	777
gaulodon (Euhapsis)	885
Gavia	284
immer	284
pusilla	284
Gaviæ	*287, 339*
Gavialidæ	148
Gavialinæ	*147*

	Page
Gavialiformes	147
Gavialis	148
fraterculus	148
minor	148
gavialis (Thoracosaurus)	*150*
Gavialosuchus	148
americanus	149
Gavidæ	*284*
Gaviidæ	284
Gaviiformes	284
geismarianus (Cynodictis)	*492*
geismarianus (Galecynus)	*492*
geismarianus (Nothocyon)	492
geismarus (Canis)	*492*
Gemitores	*344*
gemmarosæ (Miohippus)	676
gemmifer (Blastomeryx)	818
gemmifer (Dicrocerus)	*818*
Genomastodon	*634*
willistoni	*639*
Geococcyx	347
californianus	347
Geolabis	439
rhynchæus	439
Geomyidæ	876
Geomyina	*876*
Geomyinæ	*876*, 877
Geomyini	*876*
Geomyoidea	*867, 876*
Geomyoidæ	*876*
Geomys	879
bisulcatus	879
bursarius	879
cisulcatus	*879*
floridanus	*879*
minor	879
parvidens	879
persimilis	879
texensis	879
Georgia	*269*
couperi	*269*
Geranoaëtus	317
ales	317
conterminus	317
contortus	317
dananus	317
fragilis	317
gracilis	*317*
grinnelli	317
melanoleucus	317
Geranomorphæ	*330*
gibbesii (Saurocetus)	581
gibbi (Osteopygis)	76
gibbi (Oxydactylus)	796
gibbiceps (Anthracotherium)	*759*
gibbiceps (Octacodon)	759
gibbidens (Thecodontosaurus)	169
gibbosus (Aphanolemur)	924
Gidleya	844
zuniensis	844
gidleyi (Borophagus)	*508*
gidleyi (Dinocyon)	*508*
gidleyi (Hipparion)	692
gidleyi (Ischyrotamus)	903
gidleyi (Miohippus)	676

	Page
gidleyi (Neohipparion)	*692*
gidleyi (Nothodectes)	446
gidleyi (Otospermophilus)	371
gidleyi (Phascolodon)	370
gidleyi (Plesiadapis)	446
gidleyi (Pliocyon)	508
gidleyi (Subhyracodon)	741
Gigandipodidæ	1
Gigandipus	*5*, 12
caudatus	12
minor	*5*
giganhomogenes (Dimetrodon)	55
gigantea (Alabamornis)	*570*
gigantea (Baëna)	72
gigantea (Bellona)	*11*
gigantea (Diatryma)	*283*
gigantea (Ornithichnites)	*11*
gigantea (Pachyæna)	467
giganteum (Brontozoum)	*11*
giganteum (Diatryma)	283
giganteum (Gomphotherium)	637
giganteum (Mastodon)	*626*
giganteum (Titanotherium)	*719*
giganteus (Amblyonyx)	*12*
giganteus (Anomœpus)	4
giganteus (Bellona)	*11, 12*
giganteus (Equus)	705
giganteus (Eubrontes)	11
giganteus (Fulicopus)	12
giganteus (Glyptosaurus)	253
giganteus (Lepus)	863
giganteus (Manatus)	*659*
giganteus (Mastodon)	626
giganteus (Menodus)	719
giganteus (Ornithichnites)	*11, 12*
giganteus (Plesiornis)	19
giganteus (Tetralophodon)	*637*
giganteus (Trichechus)	659
giganteus (Trilophodon)	*637*
Gigantitherium	*5, 12*
caudatum	*13*
minus	*5*
Gigantofelis	523
gigantus (Mastodon)	*628*
gigas (Amphicyon)	*511*
gigas (Brontotherium)	722
gigas (Dimetrodon)	55
gigas (Hydrodamalis)	657
gigas (Manospondylus)	183
gigas (Megatylopus)	*803*
gigas (Monospondylus)	*183*
gigas (Morotherium)	414
gigas (Onychopus)	16
gigas (Pliauchenia)	*803*
gigas (Polemarchus)	19
gigas (Protostega)	78
gigas (Rhytina)	*657*
gilberti (Testudo)	*103*
gilbertii (Testudo)	103
gilli (Palæotetrix)	*326*
gillianus (Anisonchus)	611
gillii (Palæotetrix)	326
gilmorei (Goniopholis)	146
gilmorei (Proictinia)	314
Giraffa	834
Giraffa—*Continued*	
nebrascensis	834
Giraffidæ	834
Giraffinæ	*834*
giraffinus (Alticamelus)	800
Giratores	*344*
glacialis (Fulmarus)	289
gladius (Torosaurus)	225
glandiferus (Lestosaurus)	*260*
glandiferus (Platecarpus)	260
glareæ (Martes)	*527*
glareæ (Plionictis)	527
Glaucidium	350
californicum	*350*
gnoma	350
Glaucionetta	*307*
islandica	*308*
glaucogastra (Branta)	302
Glaucomys	875
alpinus	875
klamathensis	875
sabrinus	875
volans	875
Glaucosauridæ	46
Glaucosaurinæ	*46*
Glaucosaurus	47
megalops	47
glaucus (Elanus)	*314*
Glires	856
gliriformis (Ectoganus)	401
Globicephala	586
bæreckeii	587
Globicephalus	*587*
bæreckeii	*587*
Globiceps	*586*
Globidens	265
alabamaënsis	265
alabamensis	*265*
Globidensidæ	*264*
Globidentidæ	264
Globideus	*265*
Globiocephalidæ	*586*
Globiocephalus	*587*
Globocephalidæ	*586*
glupischa (Fulmarus)	289
Glutops	*70*
ornatus	*70*
Glyptodon	419, *420*
clavipes	*421*
euphractus	*420*
mexicanus	*421*
petaliferus	420
reticulatus	*420*
rivipacis	420
glyptodon (Holops)	*150*
glyptodon (Thoracosaurus)	150
Glyptodonta	*419*
Glyptodontia	*415, 418*
Glyptodontidæ	419
Glyptodontinæ	*419*
Glyptodontini	*419*
Glyptodontoidæ	418
Glyptops	70
belviderensis	70
cælatus	70

	Page
Glyptops—*Continued*	
depressus	70
ornatus	*70, 89*
pervicax	70
plicatulus	70
utahensis	70
Glyptopsidæ	*69*
Glyptosaurus	*250*, 253
anceps	*250, 254*
brevidens	*254*
giganteus	253
hillsi	253
montanus	254
nodosus	254
obtusidens	254
ocellatus	*254*
princeps	254
rugosus	254
sphenodon	254
sylvestris	254
tuberculatus	254
Glyptotherium	420
arizonæ	421
texanum	421
gnoma (Glaucidium)	350
godfreyi (Erethizon)	912
godmani (Mastodon)	*625*
gomphodus (Nimravus)	543
Gomphotherium	*628, 630*, 634, *794, 795*
abeli	635
anguirivale	635
barbouri	635
breviceps	635
brevidens	635
brewsterensis	635
campester	635
chapmani	635
cimarronis	636
conodon	636
dinotherioides	636
elegans	*630*
emmonsi	636
euhypodon	636
falconeri	*636*
floridanum	636
fricki	637
giganteum	637
gratum	*631*
guatemalense	637
humboldii	*631*
humboldtii	*631*
leidii	637
ligoniferum	637
lulli	637
morrilli	637
obliquidens	637
obscurum	637
osborni	637
paladentatum	637
petersoni	638
phippsi	638
pojoaquense	638
præcursor	638
precampestre	638
proavus	*638*

	Page
Gomphotherium—*Continued*	
productum	638
rectidens	638
republicanum	639
rugosidens	639
serpentirivale	639
serridens	639
serus	*801*
shepardi	639
simplicidens	639
sternbergi	*797*
tlaxcalæ	639
willistoni	639
Goniacodon	465
gaudrianus	*465*
levisanus	466
Goniochelys	*93*
Goniopholidæ	*146*
Goniopholididæ	146
Goniopholidiformes	146
Goniopholinæ	*146*
Goniopholis	146, *147*
affinis	146
felix	146
gilmorei	146
lucasii	146
nanus	146
vebbianus	146
Goniopoda	*168*
Gopherus	101
atascosæ	101
polyphemus	101
præcedens	101
Gorgosaurus	178
fibratus	*178*
libratus	178
sternbergi	178
gouldii (Plesiosaurus)	116
gracelis (Stenomylus)	*808*
gracile (Amblotherium)	373
gracile (Anchitherium)	*672*
gracile (Dolichobrachium)	60
graciliceps (Nothrotherium)	*406*
gracilior (Anisopus)	*8*
gracilior (Batrachopus)	8
gracilior (Harpedactylus)	13
gracilior (Ornithopus)	*20*
gracilior (Sillimanius)	20
gracilipes (Macropterna)	*18*
gracilipes (Palamopus)	18
gracilis (Aletomeryx)	836
gracilis (Aletornis)	332
gracilis (Amphicyon)	*491*
gracilis (Angistorhinus)	143
gracilis (Anisopus)	*8*
gracilis (Aræoscelis)	*37*, 241
gracilis (Areoscelis)	*241*
gracilis (Batrachopus)	8
gracilis (Cathartornis)	312
gracilis (Chirostenotes)	186
gracilis (Cimolomys)	381
gracilis (Cœlurus)	*181*
gracilis (Dromæosaurus)	181
gracilis (Dryolestes)	373
gracilis (Epihippus)	672

	Page
gracilis (Geranoaëtus)	*317*
gracilis (Grallator)	13
gracilis (Hargeria)	279
gracilis (Harpedactylus)	*13*
gracilis (Hemiacodon)	927
gracilis (Hesperomys)	*899*
gracilis (Hesperornis)	*279*
gracilis (Hitchcockia)	*4*
gracilis (Hyopsodus)	*927*
gracilis (Hyrachyus)	733
gracilis (Kalobatippus)	*677*
gracilis (Laosaurus)	206
gracilis (Leptoceratops)	226
gracilis (Leptochœrus)	752
gracilis (Leptoreodon)	812
gracilis (Lestosaurus)	*260*
gracilis (Machærodus)	*547*
gracilis (Machairodus)	*547*
gracilis (Merycoidodon)	780
gracilis (Microsyops)	*450*
gracilis (Mustela)	528
gracilis (Notharctus)	*923*
gracilis (Nyctodactylus)	*164*
gracilis (Nyctosaurus)	163
gracilis (Oreodon)	780
gracilis (Orohippus)	*672*
gracilis (Pachyæna)	*332*, 468
gracilis (Peromyscus)	894
gracilis (Philohela)	*332*
gracilis (Platecarpus)	260
gracilis (Plectropterna)	19
gracilis (Pliohippus)	*677*
gracilis (Poposaurus)	172
gracilis (Procamelus)	798
gracilis (Protohippus)	*677*
gracilis (Ptilodus)	*380*, *381*
gracilis (Putorius)	*528*
gracilis (Sarcolemur)	*924*
gracilis (Sinopa)	*478*
gracilis (Smilodectes)	924
gracilis (Smilodon)	*547*
gracilis (Smilodontopsis)	547
gracilis (Stenomylus)	808
gracilis (Stylacodon)	*373*
gracilis (Stypolophus)	*478*
gracilis (Typopus)	23
gracilis (Viverravus)	*478*, 483, *487*
gracilis (Xestops)	255
gracilis (Zetodon)	612
gracillima (Hitchcockia)	*4*
gracillima (Platypterna)	18
gracillimus (Anomœpus)	4
gracillimus (Grallator)	*4*
gracillimus (Ornithichnites)	*4*
Graculavis	*293*
Graculavus	*282*, 293
agilis	*282*
anceps	*282*
pumilis	293
velox	293
Graculus	*292*
idahoënsis	*292*
gradata (Domnina)	436
gradatus (Chalicomys)	883
gradatus (Palæocastor)	*883*

	Page
gradatus (Steneofiber)	*883*
Grallæ	*330*, *335*
Grallator	*4*, 13
cuneatus	13
cursorius	13
formosus	13
gracilis	13
gracillimus	*4*
parallelus	*3*
tenuis	13
Grallatores	*330*, *335*
Grallatoridæ	1
grallipes (Mesohippus)	674
grallipes (Pteropelyx)	216
grammurus (Arctomys)	871
grammurus (Otospermophilus)	871
grammurus (Sciurus)	872
grammurus (Spermophilus)	*871*
grandæva (Procolpochelys)	80
grandævus (Chelone)	*80*
grandævus (Oligosimus)	121
grandævus (Priacodon)	370
grandævus (Priscodelphinus)	592
grandævus (Puppigerus)	*80*
grandævus (Tetrosphys)	*591*
grande (Tinoceras)	*618*
grande (Uintatherium)	618
grandis (Angistorhinus)	143
grandis (Apatosaurus)	*191*
grandis (Brimosaurus)	119
grandis (Camarasaurus)	*191*
grandis (Chonespondylus)	*126*
grandis (Cimoliasurus)	*119*
grandis (Cymbospondylus)	*125*
grandis (Deinodon)	*183*
grandis (Dinophis)	*267*
grandis (Dryosaurus)	*181*
grandis (Hemipsalodon)	481
grandis (Hyrachyus)	733
grandis (Merycodus)	831
grandis (Morosaurus)	*191*
grandis (Ornithomimus)	*180*, 183
grandis (Palæophis)	267
grandis (Promerycochœrus)	784
grandis (Pterodon)	*481*
grandis (Samiwa)	252
grandis (Struthiomimus)	*183*
grandis (Theropleura)	50
grandis (Thinosaurus)	*252*
grandis (Thoracosaurus)	*150*
grandis (Triacodon)	419
grandis (Vespertilio)	*455*
grangeri (Aspideretes)	109
grangeri (Entomolestes)	451
grangeri (Leptomus)	*903*
grangeri (Mesomeryx)	755
grangeri (Palæosyops)	712
grangeri (Paramys)	903
grangeri (Sinopa)	476
grangeri (Triplopus)	735
grangeri (Wasatchia)	753
granifer (Aspideretes)	109
granilis (Procamelus)	*798*
granulosus (Peltosaurus)	254
Graphemys	*97*

	Page
Graphiodon	598
vinearius	598
Graptemys	98
inornata	98
gratum (Cordillerion)	*631*
gratum (Gomphotherium)	*631*
gratum (Hipparion)	692
gratum (Hippotherium)	*692*
gratum (Neohipparion)	*692*
gratus (Anancus)	631
Gravigrada	*403*
Gravigradi	*403*
Gravigradidæ	*403*
gravis (Emys)	*92*
gravis (Notomorpha)	92
grayi (Apatodonsaurus)	128
greenlandica (Phoca)	*563*
gregarius (Cynodictis)	490
gregarius (Galecynus)	*490*
gregarius (Nothocyon)	*490*
gregarius (Pseudocynodictis)	*490*
gregori (Hyænarctos)	*523*
gregorii (Diceratherium)	744
gregorii (Nothocyon)	492
gregorii (Metacænopus)	*744*
gregoryi (Agriotherium)	523
gregoryi (Eotitanops)	712
gregoryi (Promerycochœrus)	784
gregoryi (Trigonias)	740
Gressores	*293*
grinnelli (Geranoaëtus)	317
grinnellii (Crocodilus)	*153*
grinnellii (Crocodylus)	153
griseigena (Podicipes)	*785*
griseus (Macrorhamphus)	337
griseus (Sciurus)	*874*
Grison	531
macrodon	531
Grisoninæ	531
grœndlendica (Phoca)	*563*
grœnlandica (Pagophilus)	*563*
grœnlandica (Pagophoca)	*563*
grœnlandica (Phoca)	563
grœnlandicus (Dicrostonyx)	899
grœnlandicus (Mus)	*899*
grœnlandicus (Rangifer)	825
Grues	*331*
Gruidæ	331
Gruiformes	330
Gruinæ	331
Gruioidea	*331*
Gruoidæ	331
Grus	331
americanus	331
canadensis	332
haydeni	*332*
marshi	332
mexicanus	332
minor	*332*
nobilis	*332*
parvus	*332*
pratensis	*332*
prentici	332
proavus	332
gryphus (Vespertilio)	*454*

	Page
Gryposaurus	*212, 213*
mirabilis	*214*
notabilis	*214*
selwyni	*212*
grypus (Crocodilus)	*153*
grypus (Crocodylus)	153
guadrianus (Triisodon)	465
guarauna (Plegadis)	299
guatemalense (Gomphotherium)	637
guatemalensus (Serridentinus)	*637*
gubernator (Agelaius)	358
gubernator (Psarocolius)	*358*
gubernator (Scolecophagus)	*358*
guiotianus (Agriochœrus)	*777*
Gulinæ	*530*
Gulo	530
arcticus	*531*
borealis	*531*
luscus	531
gulo (Oxyæna)	471
gulo (Plesiosaurus)	116
Guloneæ	*530*
Gulonina	530
Gulonina	*530*
Gulonini	*530*
guttatus (Aspideretes)	109
guttatus (Trionyx)	*109*
guyotianus (Agriochœrus)	777
guyotii (Desmatotherium)	725
guyotii (Helaletes)	*725*
Gymnarthria	*32*
Gymnarthridæ	32
Gymnarthriformes	32
Gymnarthrus	32
willoughbyi	32
Gymnogyps	312
amplus	312
californianus	312
Gymnoptichini	*891*
Gymnoptychus	*881, 890*
chrysodon	*890*
minimus	*881*
minor	*881*
minutus	*881*
trilophus	*881*
Gypaëtidæ	*310, 320*
Gypochelys	*85*
Gypsonictops	432
hypoconus	432
Gyrantes	*344*
Gyremys	94
spectabilis	94
Habrosaurus	256
dilatus	256
hadriana (Testudo)	*100*
Hadrianus	100
allabiatus	*100*
corsoni	100
majusculus	100
octonarius	*100*
quadratus	*100*
robustus	100
schucherti	100
tumidus	100
utahensis	100

Page

Hadrocyon 508
mohavensis 508
Hadrohyus 791
supremus 791
Hadrosauridæ 208
Hadrosaurinæ 209
Hadrosaurus 209
agilis 215
annectens 212
breviceps 211
calamarinus 211
cavatus 209
foulkii 209
longiceps 211
minor 209
mirabilis 211
occidentalis 213
paucidens 224
perangulatus 211
tripos 209
Haliætinæ 314
Haliaëtos 319
leucocephalus 319
Haliaëtus 319
Haliæetus 319
leucocephalus 319
Haliaëtus 319
leucocephalus 319
haliaëtus (Falco) 320
haliaëtus (Pandion) 321
haliæetus (Aquila) 321
Halicore 655
Halicoreæ 658
Halicoridæ 655
halidanus (Palæophis) 267
Halitheriidæ 655
Halitheriinæ 655
Halitherium 656
antiquum 656
inornatum 656
halius (Nectosaurus) 242
Hallopas 187
victor 187
Hallopodidæ 187
Halopodinæ 187
Hallopidæ 187
Hallopoda 187
Hallopus 187
victor 187
Halodon 380, 383
formosus 380
sculptus 383
serratus 380
halophila (Amyda) 111
halophilus (Trionyx) 111
hamatus (Anticheiropus) 5
hamatus (Coryphodon) 615, 616
hamatus (Labidosaurus) 41
Hapalodectes 469
compressus 469
leptognathus 470
Haplacanthosaurus 192
Haplocanthosaurus 192
priscus 192
utterbackii 192

Page

Haplocanthus 192
priscus 192
Haploceras 840
Haploceros 840
montanus 841
Haplocerus 840
montanus 841
haplocerus (Episcoposaurus) 144
haplocerus (Phytosaurus) 144
Haploconus 611
angustus 611
coniferus 612
cophater 612
corniculatus 611
lineatus 611
mandibularis 611
Haplodon 906
haplodon (Arctodus) 523
haplodon (Arctotherium) 523
haplodon (Ursus) 523
Haplodonta 307
Haplodontia 906
Haplodontidæ 901
Haplodontidea 901
Haplodontoidea 901
Haplomylus 445
speirianus 445
Haplomys 905
liolophus 905
hardingi (Hylopus) 14
Harelda 307
hyemalis 307
hargeri (Lycarion) 485
hargeri (Miacis) 485
hargeri (Vulpavus) 485
Hargeria 279
gracilis 279
harlani (Bottosaurus) 157
harlani (Crocodilus) 158
harlani (Hydrarchos) 570
harlani (Hydrarchus) 570
harlani (Hydrargos) 570
harlani (Mylodon) 412, 414
harlani (Priscodelphinus) 592
Harlanus 851
americanus 851
harlini (Priscodelphinus) 592
haroldcooki (Elephas) 646
haroldcookii (Hesperopithecus) 771
haroldcookii (Prosthennops) 771
Harpagolestes 469
breviceps 469
immanis 469
macrocephalus 469
uintensis 469
Harpagosauria 167, 168
Harpagosaurus 256
excedens 256
parvus 256
Harpalodon 483, 485
sylvestris 483, 485
vulpinus 483
Harpedactylus 13
crassus 13
gracilior 13

Page

Harpedactylus—*Continued*
gracilis ... *13*
tenuissimus ... 13
harrisonensis (Merychyus) ... 787
harrisonensis (Ticholeptus) ... *787*
hartshornianus (Amphicyon) ... *505*
hartshornianus (Daphænus) ... *505*
hartshornianus (Daphœnus) ... 505
harundivorax (Tanyorhinus) ... 716
hatcheri (Baëna) ... 72
hatcheri (Brontotherium) ... 722
hatcheri (Deinosuchus) ... *156*
hatcheri (Diceratops) ... 226
hatcheri (Epigælus) ... *909*
hatcheri (Epigaulus) ... 909
hatcheri (Equus) ... 705
hatcheri (Lanceosaurus) ... 256
hatcheri (Palæospiza) ... 359
hatcheri (Palæostruthus) ... 359
hatcheri (Pediomys) ... 300
hatcheri (Phobosuchus) ... 156
hatcheri (Promerycochœrus) ... 784
hatcheri (Protolambda) ... 300
hatcheri (Protoptychus) ... 911
hatcheri (Rhineüra) ... *250*
hatcherii (Rhineüra) ... 250
Hatteria ... *134*
Hatteriidæ ... *134*
hawveri (Felis) ... 553
hawveri (Nothrotherium) ... 406
haydeni (Ælurodon) ... 495
haydeni (Canis) ... *495*
haydeni (Echmatemys) ... 95
haydeni (Emys) ... *95*
haydeni (Grus) ... *332*
haydeni (Leptictis) ... 431
haydeni (Palæolagus) ... 865
haydenianus (Didymictis) ... 482
haydenianus (Dysganus) ... 216
haydenianus (Vivveravus) ... *482*
haydenii (Palæolagus) ... *865*
hayesi (Tapirus) ... *731*
hayi (Baëna) ... 72
hayi (Diplodocus) ... 199
hayi (Elephas) ... 646
hayi (Testudo) ... 103
haysi (Tapirella) ... *731*
haysii (Tapirus) ... 731
haysii (Tetracaulodon) ... *625*
hazenianus (Deinodon) ... 177
hazenianus (Dryptosaurus) ... *177*
Hebe ... 354
schucherti ... 354
hebraica (Baëna) ... *73*
hebraicum (Chisternon) ... 73
heckmani (Acherontemys) ... 84
heilprinianus (Triisodon) ... 465, *466*
Helagras ... 271
prisciformis ... 271
Helaletes ... 724, *725*
boops ... 724
guyotii ... *725*
minusculus ... *724*
nanus ... 724
Helaletidæ ... 723
Helaletinæ ... *723*

Page

Helaletini ... *723*
Helcura ... 14
anguinea ... 14
caudata ... *14*
littoralis ... 14
surgens ... 14
helenae (Eporeodon) ... *781*
helenae (Eucrotaphus) ... 781
Helicops ... *269*
abacura ... *269*
Heliohippus ... *670*
Heliotherium ... *671*
procyoninum ... 671
Heliscomys ... 880
parvus ... 880
vetus ... 880
heloceras (Menodus) ... 719
heloceras (Titanotherium) ... *719*
helocerus (Titanotherium) ... *719*
Helodectes ... 42
isaaci ... 42
pandius ... *42*
paridens ... 42
Heloderma ... 253
matthewi ... 253
Helodermidæ ... 252
Helodermatidæ ... *252*
Helodermatinæ ... *252*
Helodermatoidea ... *252*
Helodermatoides ... *253*
Helodermoides ... *253*
tuberculatus ... *254*
Helohippus ... *670*
pumilus ... *671*
Helohyidæ ... *753*, 760
Helohyus ... *669*, *753*, 760
etsagicus ... *669*, *753*
lentus ... 761
milleri ... 761
plicodon ... 761
validus ... 761
Helopanoplia ... 108
distincta ... 108
Helotherium ... *670*
Hemiacodon ... 926
gracilis ... 927
nanus ... 927
pygmæus ... 927
pucillus ... *926*
Hemicaulodon ... 657
effodiens ... 657
hemiconus (Phenacodus) ... 605
Hemicyon ... 512
barstowensis ... 512
californicus ... 512
ursinus ... 513
Hemicyoninæ ... 512
Hemiganus ... *399*
otariidens ... *399*
hemionus (Cervus) ... *821*
hemionus (Dorcelaphus) ... *821*
hemionus (Odocoileus) ... 821
Hemipsalodon ... 480
grandis ... 481
hemispherica (Emys) ... *101*
Hemithlæus ... *608*, 612

Page

Hemithlæus—*Continued*
baldwini 608
corniculatus 611
kowalevskianus 612
henneni (Pareiasaurus) 39
Heptacodon 759
armatus 759
curtus 759
Heptodon 723
calciculus 724
posticus 724
singularis 724
ventorum 724
Herbivora 601, 837
hermani (Ornitholestes) 186
hermanni (Cœlurus) 186
hermanni (Ornitholestes) 186
hermitanus (Hylopus) 14
hermitensis (Hylopus) 14
hermitus (Hylopus) 14
Herodiæ 293
Herodias 295
egretta 295
herodias (Ardea) 294
Herodii 293, 295
Herodinidæ 294
Herodiones 293
Herodius 295
Herpedactylus 13
Herpestoidea 438
herpestoides (Oödectes) 486
Herpetairus 373
arcuatus 373
Herpetomorpha 139
Herpetotherium 393
marsupium 393
herpichanus (Crocodilus) 153
herpichanus (Crocodylus) 153
Hesperhys 771
vagrans 771
hesperia (Clemmys) 94
hesperium (Aceratherium) 744
hesperium (Diceratherium) 774
hesperius (Adocus) 89
hesperius (Hypertragulus) 813
hesperius (Rhinoceros) 744
hesperius (Tayassu) 775
Hesperocetus 582
californicus 582
Hesperomis 278
Hesperomyidæ 891
Hesperomyinæ 891
Hesperomys 893
boylii 893
gambeli 893
gambelii 893
gracilis 894
leucopus 893
loxodon 893
maniculatus 893
Hesperopithecus 770, 991
haroldcookii 771
Hesperornidæ 278
Hesperornis 278
altus 279
crassipes 279

Page

Hesperornis—*Continued*
gracilis 279
montana 279
montanus 279
regalis 279
Hesperornithes 277
Hesperornithidæ 278
Hesperornithiformes 277
Hesperornithoidea 277
Hesperornithomorphi 277
hesperus (Chalicomys) 883
hesperus (Desmostylus) 655
hesperus (Steneofiber) 883
hesterna (Auchenia) 803
hesterna (Micropalama) 337
hesternus (Camelops) 803
hesternus (Holomeniscus) 803
hesternus (Placerias) 63
Heterapsida 65
heteroclitus (Ancyropus) 3
heteroclitus (Cetophis) 581
heterodactylum (Chirotherium) 9
heterodactylus (Thenaropus) 9
heterodactylus (Theranopus) 9
heterodon (Alligator) 155
heterodon (Allognathosuchus) 155
heterodon (Crocodilus) 155
heterodon (Crocodylus) 155
heterodon (Cyclopidius) 790
heterodon (Dolichorhinus) 716
Heterodontosuchus 144
ganei 144
heterodontus (Procamelus) 801
heterodontus (Protolabis) 801
Heterofelis 546
catocopis 546
coloradensis 546
heteroglypta (Platypeltis) 112
heteroglyptus (Trionyx) 112
Heteromeryx 813
dispar 813
transversus 813
Heteromyidæ 867, 880
Heteromyina 880
Heteromyinæ 880
Heterotitanops 713
parvus 713
hexagonata (Testudo) 103
hexagonus (Piptomerus) 121
Hexodon 398
hians (Paramys) 903
hians (Prototomus) 476
hians (Pseudotomus) 903
hians (Sinopa) 476
hians (Stypolophus) 476
hians (Tinoceras) 618
hians (Uintatherium) 618
hiatidens (Anaptogonia) 900
Hicanodonta 415
hicksi (Anancus) 631
hicksi (Teleoceras) 750
hicksi (Trilophodon) 631
Hierosaurus 239
sternbergi 239
sternbergii 239
hillanus (Felis) 553

	Page
hilli (Trachemys)	97
hilli (Winfieldia)	50
hillianus (Felis)	553
hillsi (Glyptosaurus)	253
Hipparion	690, 691, *708*
affine	691
anthonyi	692
calamarium	*684*
callodonte	693
coloradense	692
condoni	692
cragini	692
dolichops	692
eurystylum	692
gidleyi	692
gratum	*692*
ingenuum	692
isonesum	*685*
lenticulare	693
leptode	693
minimum	682
minor	*693*
minus	693
mohavense	693
molle	693
montezumæ	693
occidentale	693
paniense	*685*
peninsulatum	694
phlegon	694
platystyle	694
plicatile	694
princeps	*708*
rectidens	694
relictum	*686*
retrusum	689
saincleri	*694*
seversum	*686*
sinclairi	694
sinclairii	*694*
speciosum	687
sphenodus	*686*
tehonense	692
venustum	694
whitneyi	695
Hippidion	*696*
interpolatum	*697*
spectans	698
Hippidium	*696*
interpolatum	*697*
spectans	*698*
Hippodon	687
speciosus	687
hippodus (Allomys)	*905*
hippodus (Meniscomys)	905
hippodus (Protogaulus)	905
Hippoidea	*664*
hippolestes (Felis)	*553*
hippophagus (Tephrocyon)	*510*
hippophagus (Tomarctus)	510
Hipposyus	*922*
formosus	*923*
robustior	*923*
Hippotherinæ	*680*
Hippotherium	*684, 690, 691, 708*
affine	*691*

	Page
Hippotherium—*Continued*	
calamarium	*684*
gratum	*692*
ingenuum	*692*
isonesum	*685*
isosensum	*685*
montezuma	*693*
montezumæ	*693*
occidentale	*693*
peninsulatum	*694*
plicatile	*694*
rectidens	*694*
retrusum	*689*
seversum	*685*
sinclairi	*694*
sinclairii	*694*
sincleri	*694*
speciosum	*687*
sphenodus	*686*
venustum	*694*
Hirundinidæ	354
hispida (Pagomys)	*563*
hispida (Phoca)	563
hispida (Pusa)	*563*
hispidus (Sigmodon)	894
histrionica (Anas)	*308*
Histrionicus	308
histrionicus	308
minutus	*308*
histrionicus (Histrionicus)	308
hitchcocki (Anchisauripus)	3
hitchcocki (Stenomylus)	809
Hitchcockia	*4*
fulicaria	*4*
gracilis	*4*
gracillima	*4*
hitchcockii (Anchisauripus)	*3*
holbœlii (Colymbus)	285
Holcodus	261
acutidens	261
hollandi (Desmatodon)	36
hollandi (Dinochœrus)	*765*
hollandi (Dinohyus)	765
hollandi (Echmatemys)	95
hollandi (Moropus)	662
hollandi (Promerycochœrus)	784
hollandi (Testudo)	103
Hollopus	*188*
holmesi (Equus)	704
holmesi (Hydrochœrus)	915
holmesii (Colophodon)	581
holmesii (Phocodon)	*579*
holmesii (Squalodon)	*581*
Holomeniscus	*803*
californicus	*803*
hesternus	*803*
macrocephalus	*804*
sulcatus	*805*
vitakerianus	*805*
Holops	*149*
basitruncatus	*149*
brevispinis	*149*
brevispinus	*149*
cordatus	*149*
glyptodon	*150*
obscurus	*150*

Page

Holops—*Continued*
pneumaticus *150*
tenebrosus *149*
Holosaurus 261
abruptus 261
holyokensis (Apatichnus) 5
holyokensis (Podokesaurus) 187
Homacodon 754
priscus 754
pucillus 754
vagans 754
Homo *413, 916*
nevadensis *413*
Homocamelus *799*
caninus *799*
Homodontomys *895*
fuscipes *896*
Homœopoda *220*
Homogalax 726
bridgerensis 726
primævus 726
protapirinus 726
semihians 726
uintensis 727
Homogalaxinæ 726
Homorophus 91
insuetus 91
homunculus (Anaptomorphus) *929*
homunculus (Euryacodon) *929*
homunculus (Tetonius) 929
Hoplichnus 14
equus 14
poledras *14*
quadrupedans 14
Hoplitosaurus 232
marshi 232
Hoplocetus 597
obesus 597
physaloides 598
Hoplochelys 91
bicarinata 91
cælata 91
crassa 91
elongata 91
laqueata 91
paludosa 92
saliens 92
Hoplophoneus 543
catocopis *546*
cerebralis 544
crassidens *547*
dakotensis *545*
davisi *542*
insolens 544
latidens 544
marshi 544
mentalis 544
merriami 543
occidentalis 544
oharrai 544
oreodontis 544
primævus 545
robustus 545
strigidens 545
Hoplophoridæ *419*, 421
Hoplophorus *418*

Page

Hoplosuchus 139
kayi 139
horridus (Aublysodon) 177
horridus (Ceratops) *229*
horridus (Crotalus) 271
horridus (Deinodon) 177, *183*
horridus (Dinodon) *177*
horridus (Episcoposaurus) 144
horridus (Hyænodon) *480*
horridus (Megalosaurus) *177*
horridus (Mosasaurus) 262
horridus (Neohyænodon) 480
horridus (Triceratops) 229
horrificus (Diplotomodon) 264
hudsonica (Lutra) 537
hudsonicus (Sciurus) 874
hudsonicus (Tamiasciurus) *874*
hudsonicus (Zapus) *910*
hudsonius (Circus) 320
hudsonius (Cuniculus) *899*
hudsonius (Dicrostonyx) 899
hudsonius (Mus) *899*
hudsonius (Tamiasciurus) *875*
hudsonius (Zapus) 910
huenei (Diadectes) 34
huerfanensis (Auchenia) *804*
huerfanensis (Camelops) 804, *805*
huerfanensis (Eometarhinus) 717
huerfanensis (Oxyæna) *471*
humboldii (Gomphotherium) *631*
humboldii (Mammut) *631*
humboldii (Mastodon) *631*
humboldti (Mastodon) *631*
humboldti (Tetrabelodon) *631*
humboldtii (Anancus) 631
humboldtii (Chlamydotherium) *418*
humboldtii (Curvieronius) *631*
humboldtii (Dibelodon) *631*
humboldtii (Gomphotherium) *631*
humboldtii (Mastodon) *631*
humboldtii (Mastotherium) *631*
humboldtii (Trilophodon) *631*
humboldtii (Tetralophodon) *631*
humerosum (Elotherium) *765*
humerosus (Boöchœrus) 765
humerosus (Dæodon) *765*
humilis (Bottosaurus) *153*
humilis (Crocodilus) *153*
humilis (Crocodylus) 153
humilis (Palæosyops) 712
humphresiana (Pliauchenia) *802*
humphreysiana (Pliauchenia) 802
humpresiana (Pliauchenia) *802*
huntii (Didelphis) *393*
huntii (Peratherium) 393
hutchinsi (Anser) *302*
hutchinsi (Bernicla) *302*
hutchinsi (Branta) 302
Hyæna 539
Hyænarctos 523
gregori *523*
gregoryi *523*
schneideri *523*
Hyænarctus *523*
Hyænida 538
Hyænidæ 538

Page

Hyænina 539
Hyænini 539
Hyænocyon 507
  basilatus 507
  sectorius 507
Hyænodon 479
  crucians 480
  cruentus 480
  horridus 480
  leptocephalus 480
  minutus 481
  montanus 480
  mustelinus 480
  paucidens 480
Hyænodontidæ 475
Hyænodontinæ 475, 479
Hyænodontini 476
hyænodus (Ischyrocyon) 511
Hyænognathus 509, 512
  cyonoides 509
  direptor 509
  dubius 509
  matthewi 509
  pachyodon 509
  pugnator 509
hyænoides (Ælurodon) 495
hyænoides (Amblœctonus) 473
hyænoides (Brachypsalis) 495
hyænoides (Felis) 553
hyænoides (Smilodontopsis) 553
hyattianus (Loxolophus) 460
hyattianus (Protochriacus) 460
Hybemys 96
  arenaria 96
hybridus (Eporeodon) 781
hybridus (Merycoidodon) 781
hybridus (Oreodon) 781
Hydrarchos 569, 570
  harlani 570
  sillimanii 570
Hydrarchus 569
  harlani 570
Hydrarghos 569
Hydrargos 570
  harlani 570
  sillimanii 570
Hydrobatidæ 288
Hydrobatinæ 288
Hydrochelidon 342
  nigra 342
  surinamensis 342
Hydrochœridæ 914
Hydrochœrinæ 914
Hydrochœrus 914
  æsopi 914
  holmesi 915
  pinckneyi 915
  robustus 915
Hydrodamalidæ 657
Hydrodamalis 657
  gigas 657
  stelleri 658
Hydrophoræ 791
hyemalis (Anas) 307
hyemalis (Clangula) 307
hyemalis (Harelda) 307

Page

hyemalis (Junco) 359
hylactor (Cynodictis) 491
Hyloidichnus 14
  bifurcatus 14
  whitei 14
Hylomeryx 754
  annectens 754
Hylopus 14, 16
  caudifer 6
  hardingi 14
  hermitanus 14
  hermitensis 14
  hermitus 14
  logani 14
  minor 14
  trifidus 16
  variabilis 14
hyodon (Anancus) 631
hyodon (Mastotherium) 631
hyognathum (Telmatherium) 716
hyognathus (Dolichorhinus) 716
Hyohippus 678
Hyomeryx 778
  breviceps 779
Hyopotamus 759, 760
  americanus 760
  brachyrhynchus 760
  deflectus 760
  rostratus 760
Hyopsodidæ 443
Hyopsodinæ 443
Hyopsodonta 442
Hyopsodontidæ 442
Hyopsodontoidæ 442
Hyopsodus 443, 757, 924
  browni 444
  decipiens 443
  despiciens 443
  distans 444
  gracilis 924
  jacksoni 444
  laticuneus 756
  lawsoni 444
  lemoinianus 444
  lepidus 443
  lysitensis 444
  markmani 443
  marshi 443
  mentalis 444
  minor 444
  minusculus 444
  miticulus 444
  paulus 444, 756
  powellianus 444
  rarus 757
  simplex 444
  speirianus 445
  uintensis 444
  vicarius 444
  walcottianus 444
  wortmani 444
  wortmanni 444
Hyotherinæ 767
Hyotheriinæ 767
Hyotherium 767
  americanum 768

Page

Hyotherium—*Continued*
platyops 768
Hypacrosaurus 217
altispinus 218
Hypærosaurus *217*
hyperborea (Chen) *303*
hyperboreus (Chen) 303
hyperboreus (Lobipes) *339*
Hyperoödon 585
Hypertragulidæ 809
Hypertragulinæ *809*
Hypertragulus *811*, 812
calcaratus 813
hesperius 813
minutus 813
ordinatus *811*
planiceps *813*
transversus 813
tricostatus *813*
Hyphasma 842
lævis 842
Hyphepus 15
fieldi 15
Hypisodinæ *809*
Hypisodontinæ *809*
Hypisodus 811
alacer 811
minimus 811
hypoceras (Brontotherium) 722
hypoceras (Symborodon) *722*
Hypocetus *597*
atlanticus *597*
mediatlanticus *597*
Hypoconifera *762*
hypoconus (Gypsonictops) 432
hypogæa (Speotyto) *351*
Hypohippus 678, 679, *688*
affinis 679
australis *681*
equinus 679
matthewi 679
nevadensis 679
osborni 679
pachyops *688*
pertinax 680
Hypolagus 866
browni 866
edensis 866
vetus 866
Hypopnous 40
squaliceps 40
Hyporhina 250
antigua *250*
antiqua 250
Hyposaurus 147
ferox 147
fraterculus *148*
natator 147
oweni 147
rodgersi *147*
rogersii 147
vebbianus 146
vebbii *146*
webbii *146*
hypostylus (Mesohippus) 674
hypostylus (Trigonias) 740

Page

Hypotemnocyon *493*
Hypotemnodon *493*
coryphæus *493*
Hypsibæma *215*
hypsibata (Branta) 302
hybsibatus (Anser) *302*
hypsibatus (Branta) *302*
Hypsibema 215
crassicauda 215
Hypsilophodon *207*
Hypsilophodontidæ 207
Hypsilophodontinæ *207*
Hypsirhophus *233*
discurus *234*
seeleyanus *234*
Hypsirophus *234*
discurus *234*
Hypsirrophus *233*
Hypsodus *443*
hypsodus (Ticholeptus) 790
Hypsognathus 45
fenneri 45
Hypsorhina *250*
antigua *250*
antiqua *250*
hypugæa (Speotyto) 351
Hyrachius *733*
Hyrachodontidæ *732*
Hyrachus *724*
singularis *724*
Hyrachyinæ 732
Hyrachyus 733
affinis 733, *734*
agrarius 733
agrestis 733
bairdianus 733
crassidens *734*
eximius 733
gracilis 733
grandis 733
imperialis 733
implicatus 734
intermedius *734*
modestus 734
paradoxus 734
princeps 734
priscus 734
Hyracodon 735
apertus 736
arcidens 736
cruentus *480*
leidyanus 736
major 736
mimus *736*
nebrascense *736*
nebrascensis *736*
nebraskensis 736
petersoni 736
planiceps 736
priscidens *736*
selenidens *736*
Hyracodontidæ 732
Hyracodontinæ 732, 734
Hyracodontini *732*
hyracoides (Tillotherium) 856
Hyracops 606

	Page
Hyracops—*Continued*	
socialis	607
Hyracotheriidæ	*666*
Hyracotheriinæ	666, *672*
Hyracotherium	667
craspedotum	*668*
cristatum	*668*
index	*669*
montanum	*669*
osbornianus	*671*
tapirinum	*669*
vasacciense	*669*
venticolum	*669*
Hystricidæ	*911*
Hystriciformes	911
Hystricina	*911*
Hystricoidæ	911
Hystricoidea	*911*
Hystricomorpha	*911*
Hystricomorphi	*911*
Hystricops	885
venustus	885
Hystrix	*885, 911*
dorsatus	*912*
venustus	*885*
iamonensis (Mesocyon)	493
Ibidæ	*296*
Ibididæ	298
Ibididoidæ	298
Ibis	*298*
Ichnites	1
Ichnozoa	*1*
Ichthyoidichnites	15
acadiensis	15
Ichthyoidinites	*15*
Ichthyopterygia	*122*
Ichthyornidæ	*281*
Ichthyornis	281
agilis	282
anceps	282
celer	*282*
dispar	282
lentus	*326*
tener	282
validus	282
victor	282
Ichthyornithes	281
Ichthyornithidæ	281
Ichthyornithiformes	281
Ichthyosauri	*122, 128*
Ichthyosauria	122
Ichthyosaurii	*123*
Ichthyosauridæ	*128*
Ichthyosaurinæ	*128*
Ichthyosaurus	*128*
missouriensis	*262*
Ichtyosaurus	*128*
ictericus (Lestosaurus)	*260*
ictericus (Platecarpus)	260
Icteridæ	357
Icterinæ	357
Icterus	*357*
xanthocephalus	*357*
Ictidocyon	*504*
Ictidops	*430*
acutidens	*430*

	Page
Ictops	430
acutidens	430
bullatus	430
dakotensis	430
didelphoides	*425*
intermedius	430
major	430
montanus	430
porcinus	430
tenuis	430
thompsoni	*431*
thomsoni	431
Ictopsidæ	*429*
idahensis (Phalacrocorax)	292
idahoënsis (Graculus)	*292*
Idiophyseter	597
merriami	597
idoneus (Amphicyon)	511
Ignacius	447
frugivorus	447
ignavus (Palæanodon)	422
Iguana	*245*
Iguanavus	246
exilis	246
teres	246
iguanavus (Clidastes)	263
Iguania	*245*
Iguanidæ	245
Iguaniformes	245
Iguaninæ	*245*
Iguanodon	*219*
Iguanodontia	*203*
Iguanodontidæ	*203*
Iguanodontidea	*203*
Iguanodontinæ	219
Iguanodontoidæ	202
Iguanodontoidea	*202*
Iguanoidæ	245
Iliagoceros	*839*
Ilingoceras	*839*
alexandræ	*839*
Ilingoceratinæ	*838*
Ilingoceros	839
alexandræ	839
schizorceras	839
Illingoceras	*839*
illinoiensis (Captorhinus)	40
imbricarius (Basilemys)	*88*
imbricarius (Compsemys)	88
immanis (Atlantosaurus)	194
immanis (Harpagolestes)	469
immanis (Ornithotarsus)	216
immanis (Titanosaurus)	*194*
immer (Colymbus)	*284*
immer (Gavia)	284
impar (Camarasaurus)	191
impar (Morosaurus)	*191*
Imparidigitata	*663*
impenis (Alca)	*343*
impennis (Pinguinus)	343
impennis (Plautus)	*343*
impensa (Testudo)	103
imperator (Archæotherium)	*762*
imperator (Archidiskodon)	*647*
imperator (Elephas)	646

	Page
imperator (Elotherium)	762
imperator (Entelodon)	*762*
imperfectus (Leptosuchus)	143
imperfectus (Peromyscus)	893
imperialis (Elephas)	*647*
imperialis (Felis)	553
imperialis (Felix)	*553*
imperialis (Hyrachyus)	733
imperiosus (Dinamosaurus)	*180*
implicatus (Hyrachyus)	734
impressa (Terrapene)	99
improvisus (Neotragocerus)	838
inæqualis (Pomatodelphis)	591
inæqualis (Toxichnus)	22
inæquidens (Ellipsodon)	*608*
inæquidens (Mioclænus)	608
inæquidens (Procamelus)	798
inæquidens (Protolabis)	*798*
incedens (Chelonoides)	9
incerta (Phenacops)	433
incerta (Talpa)	438
incertus (Mionictis)	536
incicivus (Pariotichus)	*40*
incisa (Testudo)	103
incisivorus (Pariotichus)	*41*
incisivum (Telmatherium)	*714*
incisivus (Cyclopidius)	790
incisivus (Dimetrodon)	55
incisivus (Labidosaurus)	41
incisivus (Parioticus)	*40*
incisivus (Sthenodectes)	714
incisus (Cimolestes)	392
incisus (Cynocercus)	*86*
incrassatus (Deinodon)	177
incrassatus (Dryptosaurus)	*177, 179*
incrassatus (Lælaps)	*177, 179*
incurvimanus (Kritosaurus)	213
Indarctos	*522*
oregonensis	*522*
Indarctus	522
oregonensis	522
index (Eohippus)	669
index (Hyracotherium)	*699*
index (Orotherium)	*669*
indianapolis (Elephas)	*644*
indianensis (Canis)	*501*
indianensis (Collettosaurus)	9
Indrodon	448
malaris	448
inepectata (Felis)	553
inexpectata (Uncia)	*553*
infelix (Bunælurus)	525
infelix (Steropoides)	21
inflata (Baëna)	72
inflatus (Daphœnus)	505
inflatus (Promerycochœrus)	784
inflatus (Protemnocyon)	*505*
ingens (Amphicyon)	511
ingens (Archæotherium)	764
ingens (Brontotherium)	*719*
ingens (Chimærichnus)	*20*
ingens (Dinoceras)	*618*
ingens (Elotherium)	*764*
ingens (Entelodon)	*764*
ingens (Menodus)	719
ingens (Ornithostoma)	*163*
ingens (Pteranodon)	163
ingens (Sauropus)	20
ingens (Steropoides)	21
ingens (Tinoceras)	*618*
ingens (Titanotherium)	*719*
ingens (Triceratops)	229
ingens (Tridentipes)	21
ingens (Uintatherium)	618
ingenuum (Hipparion)	692
ingenuum (Hippotherium)	*692*
ingenuum (Neohipparion)	*692*
ingravata (Naiadochelys)	75
Iniadæ	*582*
Iniidæ	582
Iniinæ	582
innominatum (Peratherium)	393
innoxia (Terrapene)	99
inornata (Chrysemys)	*98*
inornata (Graptemys)	98
inornatus (Halitherium)	657
inornatus (Manatus)	*657*
inornatus (Trichechus)	*657*
insculpta (Clemmys)	94
Insectivora	422
insectivora (Sinopa)	476
Insectivori	*423*
insectivorus (Stypolophus)	476
insidiosus (Apheliscus)	450
insignis (Anaptomorphus)	*927*
insignis (Merychippus)	684, *686*
insignis (Plastomenus)	106
insignis (Protohippus)	*684, 685*
insignis (Tetraceratops)	56
insignis (Tridentipes)	*21*
insignis (Washakius)	927
insiliens (Thescelus)	73
insolens (Achænodon)	762
insolens (Diplolophus)	873
insolens (Hoplophoneus)	544
insolitus (Paciculus)	911
insuetus (Homorophus)	91
insularis (Lembonax)	80
integer (Parahippus)	682
intermedia (Pachyæna)	*468*
intermedium (Prothyracodon)	*736*
intermedius (Amynodon)	737
intermedius (Anancus)	632
intermedius (Anomœpus)	4, *5*
intermedius (Clidastes)	263
intermedius (Corythosaurus)	218
intermedius (Dolichorhinus)	716
intermedius (Elasmosaurus)	118
intermedius (Equus)	*704, 709*
intermedius (Hyrachyus)	*734*
intermedius (Ictops)	430
intermedius (Mastodon)	*632*
intermedius (Mesohippus)	*677*
intermedius (Mesoreodon)	783
intermedius (Miohippus)	677
intermedius (Palæolagus)	865
intermedius (Pantolestes)	426
intermedius (Phenacodus)	605
intermedius (Platygonus)	773
intermedius (Stephanosaurus)	*218*

	Page
intermontanus (Merychippus)	685
interpolatum (Hippidion)	*697*
interpolatum (Hippidium)	697
interpolatus (Pliohippus)	697
interpolatus (Protohippus)	*697*
interpositum (Chisternon)	73
interrupta (Mephitis)	*534*
interrupta (Spilogale)	534
interruptum (Deltatherium)	462
intrepidus (Metailurus)	549
intrepidus (Pseudælurus)	*549*
introvergens (Orthodactylus)	17
inusitata (Testudo)	103
inversus (Pentacodon)	425
involutus (Microtus)	898
isaaci (Helodectes)	42
ischiadicus (Elasmosaurus)	118
ischiadicus (Polycotylus)	*118*
Ischyrocyon	511
hyænodus	511
Ischyromidæ	*890*
Ischyromyidæ	890, *902*
Ischyromyinæ	*890*
Ischyromyini	*890*
Ischyromys	890
chrysodon	890
cristatus	890
lloydi	891
nanus	891
parvus	891
pliacus	891
typus	891
veterior	*891*
ischyros (Archelon)	79
ischyros (Chelon)	*79*
Ischyrosaurus	*122*
antiquus	*122*
Ischyrosmilus	545
idahoënsis	545
ischyrus	546
osborni	546
Ischyrotherium	122
antiquum	122
Ischyrotomus	903
compressidens	903
gidleyi	903
petersoni	903
robustus	903
ischyrus (Dinobastis)	*547*
ischyrus (Machærodus)	*547*
ischyrus (Machairodus)	547
Isectolophidæ	727
Isectolophinæ	727
Isectolophus	727
annectens	727
latidens	*727*
modestus	*734*
scotti	727
islandica (Anas)	*308*
islandica (Clangula)	308
islandica (Glaucionetta)	*308*
Isocampe	15
moodii	*15*
strata	15
isodactylatus (Argoides)	*6*
isodactyletus (Argoides)	6
isodactylum (Brontozoum)	*4*
isodactylus (Anomœpus)	4
Isodectes	*32*, 43
copei	*32*
megalops	43
punctatus	*32*
isolomus (Captorhinus)	40
isolomus (Pariotichus)	40
isonesum (Hipparion)	*685*
isonesum (Hippotherium)	*685*
isonesum (Neohipparion)	685
isonesus (Merychippus)	685
isonesus (Stylonus)	*685*
isosensum (Hippotherium)	*685*
Isotemnidæ	*660*
Ithygrammodon	757
cameloides	757
Ixacanthus	*590*, 592
atropius	589
cœlospondylus	592
conradi	*590*
spinosus	*590*
stenus	*592*
Jabiru	296
mycteria	296
weillsi	296
jacksonensis (Batrachichnus)	7
jacksonensis (Notalacerta)	*7*
jacksoni (Elephas)	*643*, *644*
jacksoni (Eucrotaphus)	781, *782*
jacksoni (Eucrotophus)	*781*
jacksoni (Euelephas)	*643*, *644*
jacksoni (Hyopsodus)	*444*
jacksonii (Euelephas)	*644*
Jaculinæ	*909*
Jaculus	*910*
labradorius	*910*
jaksoni (Eucrotophus)	*781*
jamaicensis (Anas)	*308*
jamaicensis (Erismatura)	308
jarmani (Trachemys)	97
jarrovi (Pelycodus)	*921*
jarrovii (Pelycodus)	921
jarrowi (Pelycodus)	*921*
jeanesii (Lytoloma)	77
jeffersoni (Megalonyx)	*408*
jeffersoni (Parasciurus)	*904*
jeffersoni (Prosciurus)	904
jeffersoni (Sciurus)	*904*
jeffersonii (Elephas)	*642*, *643*, *646*
jeffersonii (Mastodon)	*625*
jeffersonii (Megalonyx)	408
jeffersonii (Megatherium)	*408*
jeffersonii (Parelephas)	*643*
jemezanus (Aphelops)	747
jemezanus (Teleoceras)	*747*
jordani (Metaxytherium)	656
josephi (Mesocyon)	493
jubata (Eumetopias)	558
jubata (Otaria)	*558*
jubatus (Equus)	705
jugulans (Uintacyon)	484
jugum (Tinoceras)	*618*
jugum (Uintatherium)	618

	Page
Junco	359
hyemalis	359
junior (Palæosyops)	713
kalicola (Mysops)	904
Kallistina	*92*
Kallistira	92
costilata	92
Kalobatippus	*677*, *678*
agatensis	*677*
anceps	*676*
gracilis	*677*
præstans	*677*
Kalodontidæ	*203*, *219*
kansanus (Camelops)	804, *805*
kansensis (Bison)	*851*
kansensis (Castoroides)	*888*
karense (Anthracotherium)	758
kayi (Hoplosuchus)	139
keahiè (Tracaulodon)	*625*
kelloggi (Tephrocyon)	494
kenabekides (Dryptosaurus)	*177*
Kentriodon	588
pernix	588
Kentrosaurus	*224*
Kepolestes	374
coloradensis	374
kernensis (Allodesmus)	558
kerrianus (Mesoteras)	576
Kinosternidæ	93
Kinosternon	93
arizonense	93
kinseyi (Martes)	527
Kionocrania	*245*
kirtlandius (Adocus)	89
klamathensis (Glaucomys)	875
klamathensis (Lepus)	863
klamathensis (Sciuropterys)	*875*
klettiana (Testudo)	103
kochii (Basilosaurus)	*570*
kochii (Tetracaulodon)	*625*
kohlhaasæ (Navajovius)	929
Koilosoma	*8*
nidificans	*8*
kowalevskianus (Hemithlæus)	612
kraspidotus (Eohippus)	*668*
Kritosaurus	213
incurvimanus	213
marginatus	214
navajovicus	*214*
navajovius	214
notabilis	214
Kyphobalæna	*575*
labiatum (Poëbrotherium)	794
Labidolemur	446
soricoides	446
Labidosauria	*39*
Labidosauridæ	*39*
Labidosauroidea	*44*
Labidosaurus	40
broilii	41
hamatus	41
incisivus	41
labradoria (Meles)	*535*
labradorius (Jaculus)	*910*
Labrosauridæ	184
Labrosaurus	*173*, 184
ferox	*174*, 184
fragilis	*174*
lucaris	184
sulcatus	*174*
labrosus (Merychippus)	685
lacer (Adocus)	90
Lacerta	*24*, 249
Lacerti	*243*
Lacertidæ	249
Lacertiformes	242
Lacertilia	*242*
Lacertoidea	*249*
lacertoideus (Corvipes)	10
Lacertosauria	*245*
lacertosus (Priscodelphinus)	592
lachrymalis (Plastomenus)	106
lacota (Potamotherium)	536
lacustre (Tinoceras)	*619*
lacustre (Uintatherium)	619
lacustris (Diplodocus)	199
lacustris (Paronychodon)	385
lacustris (Procamelus)	798
lacustris (Protagras)	271
Lælaps	*174*, *177*
aquilunguis	*178*
explanatus	*181*
falculus	*177*
incrassatus	*177*, *179*
trihedrodon	*174*
lævicornis (Cariacus)	*821*
lævicornis (Dama)	*821*
lævicornis (Odocoileus)	821
lævidens (Limnohyus)	*713*
lævidens (Palæosyops)	713
lævidens (Tamias)	833
lævifrons (Deinodon)	*181*
lævifrons (Dromæosaurus)	181
lævifrons (Dryptosaurus)	*181*
lævis (Leptotragulus)	*812*
lævis (Macrosaurus)	259
lævis (Mylagaulus)	908
lævis (Parameryx)	812
lævis (Telacodon)	396
Lagomorpha	*858*
Lagomyidæ	*859*
Lagomys	*860*
princeps	*860*
lagophagus (Bunælurus)	525
Lagunculapes	15
latus	15
Lagunculipes	*15*
latus	*15*
Lama	*803*, 808
californica	*803*
californica	*803*
stevensi	*808*
lamariensis (Champsosaurus)	*133*
lambdoideus (Entoptychus)	876
Lambdotheriidæ	711
Lambdotheriinæ	*711*
Lambdotherium	711
brownianum	*712*
magnum	711
popoagicum	*711*

	Page
Lambdotherium—*Continued*	
primævum	*711*
priscum	711
progressum	711
lambei (Equus)	705
lambei (Lambeosaurus)	*218*
Lambeosaurinæ	217
Lambeosaurus	218
lambei	219
Lamellirostres	*299*
Lamellosodentati	*299*
lancensis (Aspideretes)	109
lancensis (Exostinus)	246
Lanceosaurus	256
compressus	256
hatcheri	256
Langunculapes	*15*
latus	*15*
lania (Sinopa)	477
Lanidæ	*336*
Lanii	*356*
Laniidæ	356
Laniinæ	356
Laninæ	*356*
Lanius	356
ludovicianus	357
lanius (Mesonyx)	*469*
lanius (Synoplotherium)	469
Laodon	*373*
venustus	*373*
Laolestes	374
emineus	374
Laopithecus	*752*
robustus	*752*
Laoporus	15
coloradensis	15
coloradoënsis	*15*
nobeli	15
schucherti	15
Laopteryx	277
prisca	*277*
priscus	277
Laornis	301
edvardsianus	301
Laosauridæ	205
Laosaurinæ	205
Laosaurus	206
altus	*206*
celer	206
consors	206
gracilis	206
minimus	206
laqueata (Hoplochelys)	91
laramiensis (Champsosaurus)	133
laramiensis (Cimoliasaurus)	119
laramiensis (Tricleidus)	*119*
Lari	*339*
Laridæ	339
Lariformes	*339*
Larinæ	*339*, 340
Laroidæ	339
Laroidea	*339*
Laro-Limicolæ	*335*
Larus	340
argentatus	340

	Page
Larus—*Continued*	
californicus	341
oregonus	341
philadelphia	*340*
pristinus	341
robustus	341
vero	341
lateralis (Aublysodon)	*177*
lateralis (Deinodon)	177
lateralis (Leptonyx)	*21*
lateralis (Stenonyx)	21
latibuccatus (Diadectes)	34
laticarinata (Chelydra)	85
laticaudata (Testudo)	104
laticaudus (Tylosaurus)	259
laticeps (Allodon)	*377*
laticeps (Ctenacodon)	*377*
laticeps (Dinoceras)	*619*
laticeps (Diracodon)	*234*, 235
laticeps (Diracondon)	235
laticeps (Limnohyops)	713
laticeps (Merycochœrus)	*786*
laticeps (Palæosyops)	*713*
laticeps (Pariotichus)	42
laticeps (Porthochelys)	87
laticeps (Pronomotherium)	786
laticeps (Uintatherium)	618
laticollis (Apatosaurus)	195
laticornis (Bison)	*849*
laticunea (Testudo)	104
laticunus (Diacodexis)	756
laticuneus (Hyopsodus)	*756*
latidens (Ælurotherium)	472
latidens (Bathmodon)	*615*
latidens (Canis)	*492*
latidens (Coryphodon)	615
latidens (Cynodontomys)	449
latidens (Hoplophoneus)	544
latidens (Isectolophus)	*727*
latidens (Megachœrus)	765
latidens (Merycoides)	787
latidens (Mesohippus)	674
latidens (Mesoreodon)	*787*
latidens (Miacis)	485
latidens (Microsyops)	*449*
latidens (Neoclænodon)	465
latidens (Nothocyon)	492
latidens (Parisectolophus)	727
latidens (Patriofelis)	472
latidens (Promerycochœrus)	784
latidens (Tillotherium)	856
latidentata (Vulpes)	503
latidentatus (Canis)	*503*
latidentatus (Urocyon)	*503*
latifrons (Agriochœrus)	777
latifrons (Alces)	*825*, *827*
latifrons (Bison)	849
latifrons (Bos)	*849*, *851*
latifrons (Eubaëna)	72
latifrons (Lestosaurus)	*260*
latifrons (Platecarpus)	260
latifrons (Uintatherium)	619
latilabiata (Echmatemys)	95
latilabiata (Emys)	*95*
latimanus (Trinacromerum)	117

	Page
latimolis (Polymastodon)	384
latipes (Bathmodon)	*616*
latipes (Coryphodon)	616
Latipinnati	*122*
latipinnis (Polycotylus)	116
latiradix (Rhabdosteus)	590, *591*
latiremis (Torycheles)	*86*
latiremis (Toxochelys)	86
latirostris (Manatus)	*659*
latirostris (Trichechus)	659
latispinus (Lestosaurus)	*260*
latispinus (Plateçarpus)	260
lativertebralis (Echmatemys)	95
lativertebralis (Emys)	*95*
latrans (Canis)	498, *499*, *500*
latum (Tinoceras)	*619*
latum (Uintatherium)	618
latus (Amphicœlias)	201
latus (Amphicœlus)	*201*
latus (Aspideretes)	109
latus (Lagunculapes)	15
latus (Lagunculipes)	*15*
latus (Palæoscincus)	237
latus (Languculapes)	*15*
latus (Torosaurus)	226
laurentius (Equus)	705
lawsoni (Hyopsodus)	*444*
leaii (Belodon)	*142*, *145*
leaii (Clepsysaurus)	*142*
leaii (Phytosaurus)	142, *145*
lecontei (Dipoides)	884
lecontei (Eucastor)	*884*
lecontei (Sigmogomphius)	*884*, 888
leidianum (Uintatherium)	619
leidii (Gomphotherium)	637
leidii (Serridentinus)	*637*
leidii (Trilophodon)	*637*
leidyanum (Ælurotherium)	*472*
leidyanum (Ammodon)	*766*
leidyanum (Uintatherium)	*619*
leidyanus (Ammodon)	766
leidyanus (Hyracodon)	736
leidyanus (Pliohippus)	697
leidydividum (Delphinodon)	*588*
leidyi (Brontotherium)	722
leidyi (Delphinodon)	588
leidyi (Equus)	706, *708*
leidyi (Megalonyx)	409
leidyi (Merycochœrus)	*784*
leidyi (Neohippus)	*706*
leidyi (Palæosyops)	713
leidyi (Promerycochœrus)	784
Leidyosuchus	155
canadensis	155
sternbergii	155
Leiodon	*258*
proriger	*259*
Leipsanolestes	451
siegfriedi	451
Lembonax	80
insularis	80
polemicus	80
propylæus	80
Lemnus	*901*
zibethicus	*901*
lemoinianus (Hyopsodus)	*444*
lemur (Canis)	*493*
lemur (Galecynus)	*493*
lemur (Nothocyon)	492
Lemuravus	*443*
distans	*444*
Lemures	*918*
Lemuridæ	*918*
Lemuriformes	918
lemurinum (Menotherium)	*752*
lemurinus (Leptochœrus)	752
Lemuroidæ	919
Lemuroidea	*918*
lemuroides (Mioclænus)	608
lemuroides (Promioclænus)	*608*
lenis (Leptophoca)	562
lenis (Tayassu)	775
lenticularis (Hipparion)	693
lenticularis (Merychippus)	*693*
lenticularis (Neohipparion)	*693*
lenticularis (Protohippus)	*693*
lentiginosus (Botaurus)	295
lentus (Allacodon)	378
lentus (Baropus)	7
lentus (Barosaurus)	200
lentus (Bothrolabis)	*768*
lentus (Camarasaurus)	191
lentus (Diadectes)	34
lentus (Helohyus)	761
lentus (Ichthyornis)	*326*
lentus (Morosaurus)	*191*
lentus (Nothodon)	*34*
lentus (Perchœrus)	768
lentus (Thinohyus)	*768*
lentus (Xestops)	255
leonardi (Protomeryx)	795
leonensis (Parahippus)	682
Lepidosauria	*239*
Lepidosternidæ	*250*
lepidus (Creotarsus)	487
lepidus (Euryacodon)	928
lepidus (Hyopsodus)	443
lepidus (Oligobunis)	525
lepidus (Thinosaurus)	*248*
lepidus (Tinodon)	371
lepidus (Tinosaurus)	*248*
Leporida	*858*
Leporidæ	*859*, 860
Leporina	*859*
Leporinæ	*861*
Leporini	*861*
leporinus (Haplodon)	*906*
leporinus (Palæolagus)	865
Leporoidæ	859
Leposternidæ	250
leptacanthus (Eporeodon)	782
Leptaceratherium	741
allum	741
tridactylus	*743*
trigonodum	741
trigonogum	*741*
Leptacodon	432
tener	432
Leptarctus	535
primævus	*535*

	Page
Leptarctus—*Continued*	
primus	535
wortmani	535
Leptauchenia	788
decora	789
densa	789
major	789
nitida	789
Leptictidæ	429
Leptictididæ	*430*
Lepticinæ	430
Leptictis	431
hayden	431
leptocentrum (Cetotherium)	573
leptocephalus (Clepsydrops)	*50*
leptocephalus (Diopæus)	*50*
leptocephalus (Diopeus)	50
leptocephalus (Hyænodon)	480
Leptoceratops	226
gracilis	226
Leptoceratopsinæ	*220*
Leptocheirus	*125*
zitteli	*125*
Leptochirus	*125*
Leptochœridæ	752
Leptochœrus	752
gracilis	752
lemurinus	752
quadricuspus	753
robustus	752
spectabilis	752
leptocolon (Alticamelus)	800
Leptocyon	494
vafer	494
leptodactylus (Brontozoum)	*22*
leptodactylus (Thenaropus)	22
leptodactylus (Triænopus)	*22*
leptode (Hipparion)	693
leptode (Neohipparion)	*693*
leptodirus (Camarasaurus)	191
leptodus (Ancodon)	*760*
leptodus (Bothodon)	*760*
leptodus (Bothriodon)	760
leptodus (Paramys)	903
leptodus (Saniwa)	*252*
leptodus (Thinosaurus)	*252*
leptoganus (Caulodon)	193
Leptoglossa	*248*
leptognathus (Dissacus)	*470*
leptognathus (Hapalodectes)	470
leptognathus (Procamelus)	798
Leptomerycinæ	*809*
Leptomeryx	809
drummondanus	*810*
esulcatus	810
evansi	810
mammifer	810
obliquidens	810
semicinctus	810
speciosus	810
transmontanus	810
leptomitus (Plastomenus)	106
leptomitus (Trionyx)	*106*
Leptomus	*903*
grangeri	*903*
leptomylus (Didymictis)	482
leptomylus (Viverravus)	*482*
Leptonyx	*21*
lateralis	*21*
leptonyx (Morotherium)	415
Leptophoca	562
lenis	562
leptophrys (Pleurolicus)	877
leptops (Mephitis)	*532*
Leptopterygius	*129*
Leptoreodon	812
gracilis	812
marshi	812
leptorhinus (Platigonus)	*772*
leptorhinus (Platygonus)	*772*
leptorhynchus (Merychyus)	787
leptorhyncus (Merychyus)	*787*
leptosteus (Bubo)	350
leptostoma (Megalonyx)	*410*
leptostomus (Megalonyx)	410
Leptosuchus	143
crosbiensis	143
imperfectus	143
Leptotragulinæ	*809*
Leptotragulus	811, *812*
lævis	812
medius	812
proavus	812
profectus	812
sulcatus	*812*
leptoupbalus (Clepsydrops)	*50*
lepturus (Belodon)	*142*
lepturus (Phytosaurus)	142
Lepus	861
americanus	863
auduboni	*864*
audubonii	*864*
bachmani	*864*
benjamini	863
californica	*863*
californicus	863
campester	*863*
campestris	*863*
cinearascens	*864*
ennisianus	*866*
floridanus	*864*
giganteus	863
klamathensis	863
macrocephalus	863
orthognathus	863
palustris	*864*
primigenius	863
princeps	*860*
sylvaticus	*864*
townsendii	863
vetus	*866*
washingtonii	863
Lepusidæ	*860*
leslianus (Taphrosphys)	75
lestes (Canis)	499
Lestophis	268
crassus	268
Lestosaurus	*259*
acutidens	*261*
clidastoides	*260*

Page

Lestosaurus—*Continued*
coryphæus 260
crassartus 260
curtirostris 260
felix 260
glandiferus 260
gracilis 260
ictericus 260, 261
latifrons 260
latispinus 260
mudgei 260
oxyrhinus 260
planifrons 260
simus 260
tectulus 261
leucas (Beluga) 594
leucas (Delphinapterus) 594
leucas (Delphinus) 594
leucas (Phocæna) 594
leucocephalus (Falco) 319
leucocephalus (Haliaëtos) 319
leucocephalus (Haliaëtus) 319
leucocephalus (Haliæëtus) 318
leucodon (Thomomys) 878
leucopotamica (Platypeltis) 112
leucopotamicus (Trionyx) 112
leucopus (Hesperomys) 893
leucopus (Peromyscus) 893
leucosteus (Phlaocyon) 514
leucosteus (Pholaocyon) 514
leucurus (Elanus) 314
leucurus (Milvus) 314
Leurospondylus 119
ultimus 119
levis (Cursipes) 10
levisanus (Goniacodon) 466
leydeyi (Megalonyx) 409
libratus (Gorgosaurus) 178
ligonia (Testudo) 104
ligoniferum (Gomphotherium) 637
liginiferus (Mastodon) 637
ligoniferus (Tetrabelodon) 637
ligoniferus (Trilophodon) 637
lima (Amyda) 111
lima (Trionyx) 111
limbatus (Clepsydrops) 55
Limicolæ 335
Limicolavis 338
pluvianella 338
Limnenetes 755
anceps 755
platyceps 755
Limnocyon 473, 478
douglassi 474
dysclerus 475
dysodus 475
dysotus 475
medius 474
potens 474
protenus 483
riparius 474
velox 474
verus 474, 479
Limnocyoninæ 473
Limnofelis 471

Page

Limnohyops 712, 713
diaconus 713
fontinalis 712
laticeps 713
manteoceras 715
matthewi 713
monoconus 713
priscus 713
Limnohyus 713
lævidens 713
robustus 713
Limnolagus 865
palustris 865
Limnophis 268
Limnopus 15
coloradensis 15
vagans 16
vagus 15
Limnosaurus 155
ziphodon 155
Limnoscelidæ 43
Limnoscelis 43
paludis 44
Limnotheridæ 443
Limnotheriidæ 442
Limnotherium 922
affins 922
tyrannus 923
Limosa 338
vanrossemi 338
Limosavus 293
velox 293
lindgreni (Neotragocerus) 838
lineans (Plectropterna) 19
linearis (Orthodactylus) 16
lineatus (Haploconus) 611
lineolatus (Adocus) 90
lineolatus (Compsemys) 90
Liodon 258
dyspelor 259
nepæolicus 259
proriger 259
liodon (Crocodylus) 153
Liodontia 906
alexandræ 906
liodontus (Clidastes) 263
liolophus (Allomys) 905
liolophus (Gymnoptychus) 881
liolophus (Haplomys) 905
liolophus (Meniscomys) 905
Liops 844
zuniensis 844
liops (Choneziphius) 583
Lipotyphla 424
lippincottianus (Cynodictis) 490, 491
lippincottianus (Pseudocynodictis) 491
Lissops 844
zuniensis 844
Lithophis 268
sargenti 268
littoralis (Allopus) 2
littoralis (Equus) 706
littoralis (Helcura) 14
littoralis (Palæophis) 267
littoralis (Palæotringa) 338

	Page
litoralis (Passalacodon)	*426*
lloydi (Ischyromys)	891
lobata (Tringa)	*339*
lobatum (Diceratherium)	744
lobatus (Coryphodon)	616
lobatus (Lobipes)	339
lobatus (Phalaropus)	*339*
Lobipes	339
hyperboreus	*339*
lobatus	339
Lobodon	562
vetus	562
Lobodoninæ	*562*
Lobodontinæ	562
lobulatus (Pelycictis)	533
lockingtonianus (Paciculus)	911
lockwoodi (Taphrosaurus)	121
lockwoodii (Plesiosaurus)	*121*
lœvii (Orotherium)	*668*
logani (Hylopus)	14
lomas (Coryphodon)	*616*
lompocana (Moris)	291
Lonchodelphis	593
occiduus	593
longævus (Dissacus)	467
longicauda (Reithrodon)	*892*
longicauda (Reithrodontomys)	892
longicaudatus (Pantolestes)	*426*
longicaudus (Pantolestes)	426
longiceps (Camelomeryx)	811
longiceps (Dolichorhinus)	716
longiceps (Edmontonia)	237
longiceps (Hadrosaurus)	*211*
longiceps (Merycoides)	*787*
longiceps (Mesoreodon)	*787*
longiceps (Mycterosaurus)	47
longiceps (Protolabis)	801
longiceps (Pteranodon)	163
longiceps (Tinoceras)	*619*
longiceps (Trachodon)	211
longiceps (Uintatherium)	619
longicollis (Cœlophysis)	186
longicollis (Tanystropheus)	*186*
longicristis (Mesohippus)	*677*
longicristis (Miohippus)	677
longicrus (Felis)	553
longieundus (Pantolestes)	*426*
longifrons (Ceterhinops)	591
longifrons (Eporeodon)	782
longimana (Balæna)	*576*
longimana (Megaptera)	*576*
longinsulæ (Terrapená)	99
longinuchus (Taphrosphys)	75
Longipennes	*287, 288, 339*
longipes (Aphelops)	747
longipes (Colodon)	726
longipes (Mesotapirus)	726
longipes (Mimocyon)	485
longipes (Oxydactylus)	796
longipes (Rhinoceros)	*747, 749*
longipes (Stegomosuchus)	139
longipes (Stegomus)	*139*
Longipinnati	*123*
Longipinnatidæ	*128*
longiramus (Dimetrodon)	56
Longirostres	*147*
Longirostrinae	*623*
longirostris (Arvicola)	*898*
longirostris (Eschatius)	806
longirostris (Mastodon)	*637*
longirostris (Mesoplodon)	*583*, 585
longirostris (Oxydactylus)	796
longirostris (Palæosyops)	713
longirostris (Prosthennops)	771
longirostris (Ziphius)	585
longispinis (Rhabdopelix)	164
longispinus (Stegosaurus)	234
longurio (Aramornis)	332
longurio (Procamelus)	798
longus (Diplodocus)	199
loomisi (Diceratherium)	745
loomisi (Monotragulus)	811
loomisi (Proterix)	434
Lophiodon	*723, 851*
brachygnathus	*851*
modestus	*734*
oregonensis	*726*
pumilis	*671*
Lophiodontidæ	*723*
Lophiodontinæ	*723*
Lophiodontoidea	*723*
Lophiohyus	754
alticeps	754
Lophiotherium	*669, 756*
furcatus	*756*
sylvaticum	*671*
vasachiense	*669*
Lophocetus	587
calvertensis	587
Lophodytes	309
cucullatus	309
Lophœthyia	*285*
Lophoprosopus	*142, 144*
buceros	*144*
Lophortyx	327
californica	327
californicus	*327*
Lophosaurus	*144*
buceros	*144*
Lophotherium	*671*
ballardi	*671*
sylvaticum	*671*
Loricata	135, *150, 415*
loripes (Steropoides)	21
lotor (Procyon)	515
louisæ (Apatosaurus)	195
lowii (Desmatochelys)	77
Loxodon	*642*
loxodon (Eumys)	*893*
loxodon (Hesperomys)	*893*
loxodon (Megalonyx)	410
loxodon (Peromyscus)	893
Loxodontinæ	*640*
Loxolophodon	*616, 618, 620*
cornutus	*620*
furcatus	*620*
pressicornis	*620*
semicinctus	*616*
Loxolophus	460
attenuatus	460

	Page
Loxolophus—*Continued*	
hyattianus	460
priscus	460
loxostyla (Moris)	291
loxostyla (Sula)	*291*
lucare (Dinoceras)	*619*
lucare (Uintatherium)	619
lucaris (Allosaurus)	*184*
lucaris (Antrodemus)	*184*
lucaris (Taxymys)	*904*
lucaris (Uintornis)	353
lucasanus (Tichosteus)	187
lucasi (Æchmophorus)	286
lucasi (Brachauchenius)	119
lucasi (Cervus)	830
lucasi (Pediocætes)	*326*
lucasi (Pediœcetes)	326
lucasii (Amphicotylus)	*146*
lucasii (Goniopholis)	146
lucasii (Pediocætes)	*326*
luciae (Testudo)	104
lucius (Alligator)	*157*
lucius (Crocodilus)	*157*
ludovicianus (Cercomys)	*872*
ludovicianus (Cynomys)	872
ludovicianus (Lanius)	357
lulli (Gomphotherium)	637
lulli (Mastodon)	*637*
lulli (Megabelodon)	*637*
lulli (Oxydactylus)	796
lulli (Priacodon)	370
lulli (Promerycochœrus)	784
lulli (Serridentinus)	*637*
lulli (Tetrabelodon)	*637*
lulli (Trilophodon)	*637*
lulli (Tympanuchus)	326
lullianus (Cyclopedius)	790
lullianus (Pliohippus)	697
lunatus (Dipriodon)	384
lunatus (Meniscoëssus)	*384*
lunifrons (Petrochelidon)	355
lupina (Oxyæna)	471
lupovicianus (Cynomys)	*872*
Lupus	*499*
lupus (Canis)	*499*
luscus (Gulo)	531
lutescens (Geomys)	879
Lutra	536
canadensis	537
hudsonica	*537*
piscinaria	538
piscinaxia	*538*
pristina	538
rhoadsi	*538*
rhoadsii	538
vaga	*537*
Lutreola	*528, 531*
antiquus	*529*
macrodon	*531*
vison	*529*
lutreola (Palæosinopa)	426
Lutrictis	*536*
lycopotamicus	*536*
Lutridæ	*536*
Lutrina	*536*
Lutrinæ	535
Lutrini	*536*
luxatus (Colodon)	726
lycaon (Canis)	499
Lycarion	*485*
hargeri	*485*
medius	*485*
Lyciscus	497
lycopotamica (Lutra)	*536*
lycopotamica (Sthenictis)	536
lycopotamicum (Potamotherium)	*536*
lycopotamicus (Lutrictis)	*536*
lydekkeri (Aquila)	318
lydekkerianus (Mioclænus)	608
lyellianus (Amblyonyx)	*12*
lyellianus (Fulicopus)	12
Lynapida	*28*
Lynx	554
calcaratus	554
californicus	555
canadensis	554
compressus	555
fasciatus	555
fischeri	555
floridanus	555
occidentalis	*555*
parvus	555
ruffus	*555*
rufus	555
lynx (Felis)	*555*
Lyognathi	*239*
lysitensis (Didymictis)	483
lysitensis (Hyopsodus)	444
lysitensis (Wasatchia)	753
Lytoloma	76
angusta	76, *77*
jeanesii	77
platyops	*77*
wielandi	77
Lytolomidæ	*75*
Lytolominæ	*75*
Macelognathidæ	187
Macelognathus	187
vagans	187
Machærodidæ	*541*
Machærodinæ	*541*
Machærodontinæ	*541*
Machærodontini	*541*
Machærodus	*546, 548*
catocopis	*546*
coloradensis	*546*
crassidens	*547*
gracilis	*547*
ischyrus	*546*
maximus	*553*
merceri	*547*
mercerii	*547*
niobrarensis	*547*
Machæroides	475
eothen	475
Machæromeryx	817
tragulus	817
Machæroprosopus	143
andersoni	144
buceros	144

	Page
Machæroprosopus—*Continued*	
validus	144
Machærosaurus	256
torrejonensis	256
Machairodinæ	*540, 541*
Machairodontidæ	*540*
Machairodontinæ	540
Machairodus	546
catocopis	546
crassidens	547
floridanus	*549*
gracilis	*547*
ischyrus	547
mercerii	*547*
niobrarensis	547
macrospondylus (Zeuglodon)	*570*
mackenzianus (Ovibos)	*846*
macnaughtoni (Thenaropus)	22
macnaughtoni (Theranopus)	*22*
Macrasaurus	*259*
pririger	*259*
macrocephalus (Agriochœrus)	777
macrocephalus (Camelops)	804
macrocephalus (Coloreodon)	*777*
macrocephalus (Harpagolestes)	469
macrocephalus (Holomeniscus)	*804*
macrocephalus (Lepus)	863
macrocephalus (Physeter)	*599*
Macrochelys	85
floridana	85
teminckii	*85*
temminickii	85
Macroclemmys	*85*
Macroclemys	*85*
macrodactylatus (Argoides)	*6*
macrodactylatus (Argozoum)	6
Macrodactyli	*333*
macrodactylotus (Argoides)	6
macrodactylus (Argoides)	*6*
macrodon (Galera)	*531*
macrodon (Galictis)	*531*
macrodon (Grison)	531
macrodon (Lutreola)	*528, 531*
macrodon (Mustela)	528
Macrogenis	*771*
crassigenis	*771*
Macropoda	*901*
macrops (Proroziphius)	583, *585*
Macropterna	*18*
divaricans	*18*
gracilipes	*18*
vulgaris	*18*
macropternus (Bunophorus)	753
macropternus (Phenacodus)	*753*
macropus (Dryptosaurus)	*181*
macropus (Lælaps)	*181*
macropus (Phalacrocorax)	292
Macrorhamphus	337
griseus	337
macrorhinus (Merycoidodon)	781
macrorhinus (Oreodon)	*781*
macrorhinus (Palæarctomys)	868
Macrorhynchidæ	*147*
macrorhynchus (Bottosaurus)	157
Macrosaurus	259

	Page
Macrosaurus—*Continued*	
lævis	259
mitchillii	259
macrospondylus (Clepsydrops)	*56*
macrospondylus (Dimetrodon)	56
macrospondylus (Zeuglodon)	*570*
macrostegus (Merycochœrus)	*784*
macrostegus (Promerycochœrus)	784
Macrotheriinæ	661
macrotis (Cervus)	*821*
macroura (Zenaidura)	346
madisonius (Dromomeryx)	820
madisonius (Merycochœrus)	*786*
madisonius (Palæomeryx)	*820*
madisonius (Procamelus)	798
madisonius (Pronomotherium)	786
mæandrinus (Pliocyon)	*508*
magister (Neotoma)	896
magna (Collettosaurus)	*9*
magna (Notamphibia)	*9*
magna (Palauchenia)	808
magna (Sturnella)	*357*
magnificus (Otouphepus)	17
magniventris (Anchylosaurus)	*238*
magniventris (Ancylosaurus)	*238*
magniventris (Ankylosaurus)	238
magnum (Lambdotherium)	711
magnus (Ælurodon)	*507*
magnus (Cimoliasaurus)	120
magnus (Collettosaurus)	9
magnus (Cyphornis)	290
magnus (Diprionomys)	881
magnus (Euoplocyon)	507
magnus (Merycochœrus)	786
magnus (Palæocastor)	*884*
magnus (Pleurocyon)	486
magnus (Podilymbus)	286
magnus (Pontoleon)	*558*
magnus (Pontolis)	558
magnus (Trihamus)	23
magoder (Palæoscincus)	237
maibeni (Archidiskodon)	*648*
maibeni (Elephas)	648
maior (Ammosaurus)	*171*
maior (Palæosyops)	*713*
major (Agriochœrus)	777
major (Ammosaurus)	171
major (Anchisaurus)	*171*
major (Anomœpus)	4
major (Aplodontia)	906
major (Archælurus)	*543*
major (Auchenia)	*798*
major (Bolosaurus)	37
major (Deinictis)	*543*
major (Dinictis)	543
major (Eotitanops)	712
major (Eporeodon)	782
major (Equus)	*703*
major (Eucrotaphus)	782
major (Hyracodon)	736
major (Ictops)	430
major (Leptauchenia)	789
major (Merychyus)	787
major (Meryhyus)	*787*
major (Nimravus)	543

Page

major (Orohippus) 671
major (Palæosyops) 713
major (Paramys) 903
major (Pliauchenia) *798*
major (Procamelus) 798, *803*
major (Saniva) *252*, *351*
major (Saniwa) *252*
major (Sinopa) 476
major (Stypolophus) *476*
major (Teleoceras) 750
major (Uintacyon) 484
major (Eporeodon) 782
majus (Aciprion) 246
majusculus (Hadrianus) 100
malacorhinus (Aphelops) 747
malacorhinus (Peraceras) *747*
malacorhinus (Teleoceras) *747*
malaris (Indrodon) 448
malta (Ciconia) *296*
maltha (Ciconia) 296
Malthacolestes 374
osborni 374
Mammalia 360
mammifer (Leptomeryx) 810
mammifer (Trigenicus) *810*
Mammifera *360*
mammillaris (Ovis) 843
Mammonteus *642*
americanus *649*
compressus *650*
primigenius *649*, *650*
mammonteus (Elephas) *648*
Mammontinæ *622*, *640*
Mammotinæ *622*. *640*
Mammut 623, *634*, *642*
americanum 624
brevidens *635*
campestre *635*
chapmani *635*
cordillarum *632*
euhypodon *636*
floridanum *636*
francisi 630
humboldii *631*
matthewi 630
merriami 630
mirificum *633*
obscurum *637*
ohioticum *625*
oregoneuse 630
plicatum 630
præcursor *638*
proavus *638*
productum *638*
progenium 630
rugosidens *639*
serridens *639*
shepardi *639*
tropicum *632*
Mammutinæ 623
Manati *658*
Manatidæ *658*
Manatini *658*
Manatus *658*
americanus *659*

Page

Manatus—*Continued*
antiquus *656*
giganteus *659*
inornatus *657*
latirostris *659*
manatus (Trichechus) *639*
Mancalla 344
californiensis 344
mandibularis (Anisonchus) *611*
mandibularis (Haplaconus) *611*
manducans (Temnotrionyx) 112
manhattanensis (Phytosaurus) *145*
manhattanensis (Rutiodon) 145
maniculatus (Peromyscus) 893
manigaultii (Dioplotherium) 656
manigaultii (Diplotherium) *656*
manigaultii (Metaxytherium) 656
Manospondylus 183
gigas 183
Manteoceras *713*, 714
foris 715
manteoceras 715
pratensis 715
uintensis 715
ultimus *713*
vallidens *714*
washakiensis 715
manteoceras (Limnohyops) *715*
manteoceras (Manteoceras) 715
manteoceras (Palæosyops) *715*
Manteodon *615*
Manupeda *916*
Mareca 305
americana 305
marginale (Peratherium) 393
marginalis (Didelphis) *393*
marginatus (Coryphodon) 616
marginatus (Kritosaurus) 214
marginatus (Pteropelyx) *214*
marginatus (Stephanosaurus) *214*, *219*
marginatus (Trachodon) *214*
marinavis (Phalacrocorax) 292
Marila 307
affinis 307
americana 307
collaris 307
marila 307
valisineria 307
marila (Anas) *307*
marila (Athya) *307*
marila (Fuligula) *307*
marila (Marila) 307
maritimus (Thalarctus) *521*
maritimus (Thalassarctus) *521*
maritimus (Ursus) *521*
markmani (Hyopsodus) 443
Marmota 870
arizona 870
arrodens 870
flaviventer 870
flaviventris *871*
minor 871
monax 871
nevadensis 871
torta *871*

Page

Marmotidæ ---- 868
marnochii (Cistudo) ---- 99
marnochii (Terrapene) ---- 99
marschi (Elasmosaurus) ---- 118
marshalli (Brachypterus) ---- 526
marshi (Alphodon) ---- 391
marshi (Archæotherium) ---- 764
marshi (Ammopus) ---- 2
marshi (Aræocyon) ---- 507
marshi (Baëna) ---- 72
marshi (Baptanodon) ---- 127
marshi (Blastomeryx) ---- 818
marshi (Dyseomeryx) ---- 818
marshi (Elasmosaurus) ---- 118
marshi (Grus) ---- 332
marshi (Hoplitosaurus) ---- 232
marshi (Hoplophoneus) ---- 544
marshi (Hyopsodus) ---- 443
marshi (Leptoreodon) ---- 812
marshi (Megacerops) ---- 721
marshi (Metacheiromys) ---- 422
marshi (Metailurus) ---- 550
marshi (Paroreodon) ---- 781
marshi (Pliocyon) ---- 507
marshi (Pseudælurus) ---- 550
marshi (Promerycochœrus) ---- 784
marshi (Stegosaurus) ---- 232
marshi (Tephrocyon) ---- 510
marshi (Tomarctus) ---- 510
marshii (Archelon) ---- 79
marshii (Canis) ---- 714
marshii (Protostega) ---- 79
marshii (Telmatherium) ---- 714
marshii (Vulpavus) ---- 714
Marsupiali ---- 386
Marsupialia ---- 385, 386
marsupialis (Didelphis) ---- 394
marsupialis (Didelphys) ---- 394
marsupialoides (Canichnoides) ---- 10
Marsupiata ---- 386
Marsupiati ---- 387
marsupium (Herpetotherium) ---- 393
marsupium (Peratherium) ---- 393
Martes ---- 526, 528
americana ---- 527
caurina ---- 527
furlongi ---- 528
glareæ ---- 527
kinseyi ---- 527
minor ---- 529
nambianus ---- 530
nobilis ---- 527
ogygia ---- 527
parviloba ---- 527
pennanti ---- 527
Martinæ ---- 525
martinii (Ogmodirus) ---- 119
marylandica (Thecachampsa) ---- 154
marylandicus (Crocodylus) ---- 154
masculinus (Agomphus) ---- 90
massetericus (Didymictis) ---- 484
massetericus (Uintacyon) ---- 484
massetericus (Viverravus) ---- 484
Mastelephas ---- 634, 637
Mastodon ---- 623, 634

Page

Mastodon—*Continued*
adium ---- 632
americanus ---- 624, 647
andicus ---- 632
andium ---- 631
angustidens ---- 636, 638
antiquissimus ---- 632
antium ---- 631
australis ---- 632
brevidens ---- 635
campester ---- 635
chapmani ---- 635
collinsonii ---- 625
conodon ---- 636
cordillerum ---- 632
cuvieri ---- 625
dinotherioides ---- 636, 638
euhypodon ---- 636
floridanus ---- 636
floridianus ---- 636
giganteum ---- 626
giganteus ---- 624, 636
gigantus ---- 628
godmani ---- 625
humboldii ---- 631
humboldti ---- 631
humboldtii ---- 631
intermedius ---- 632
jeffersonii ---- 625
ligoniferus ---- 637
longirostris ---- 637
lulli ---- 637
matthewi ---- 639
maximum ---- 628
maximus ---- 627
mercificus ---- 633
mexicanus ---- 629
mirificus ---- 633
morilli ---- 637
obscurus ---- 636, 637, 638, 639
ohioticus ---- 625
oligobunis ---- 632
plicatus ---- 630
præcursor ---- 638
proavus ---- 638
productus ---- 638
rugatum ---- 627
rugosidens ---- 639
serridens ---- 639
shepardi ---- 639
subtapiroidea ---- 637
tapiroides ---- 635
tetracaulodon ---- 625
tropicus ---- 632
Mastodonadæ ---- 623
Mastodonta ---- 623
mastodonta (Elephas) ---- 629
mastodonteus (Elephas) ---- 629
Mastodonti ---- 623
Mastodontidæ ---- 623
Mastodontinæ ---- 623
Mastodontoidea ---- 621, 623
mastodontoideus (Tetracaulodon) ---- 627
mastodontus (Elephas) ---- 625
Mastotherium ---- 624

Page

Mastotherium—*Continued*
humboldtii ... *631*
matheri (Agostopus) ... 2
mathewi (Hyænognathus) ... 501
matthewi (Cygnus) ... 301
matthewi (Diplobunops) ... 757
matthewi (Heloderma) ... 253
matthewi (Hyænognathus) ... 509
matthewi (Hypohippus) ... 679
matthewi (Limnohyops) ... 713
matthewi (Mammut) ... 630
matthewi (Mastodon) ... *630*
matthewi (Merycochœrus) ... 786
matthewi (Miomastodon) ... *630*
matthewi (Moropus) ... 662
matthewi (Notharctus) ... 923
matthewi (Olor) ... *301*
matthewi (Paralabis) ... *795*
matthewi (Pliomastodon) ... *630*
matthewi (Porthocyon) ... *509*
matthewi (Probassariscus) ... 516
matthewi (Pronothodectes) ... 445
matthewi (Pseudolabis) ... 795
maturus (Aspideretes) ... 109
maturus (Paronomys) ... 929
matutinum (Aceratherium) ... *747*
matutinus (Aphelops) ... 747
matutinus (Boreodon) ... 385
matutinus (Brachypsalis) ... 526
matutinus (Rhinoceros) ... *747*
maxima (Felis) ... 553
maximiliani (Mosasaurus) ... *262*
maximus (Agriochœrus) ... 777
maximus (Angistorhinus) ... 143
maximus (Camelus) ... 807
maximus (Diadectes) ... 34
maximus (Eusyodon) ... *750*
maximus (Machærodus) ... 553
maximus (Mastodon) ... *627*
maximus (Melanosaurus) ... 255
maximus (Moropus) ... 662
maximus (Mosasaurus) ... 262
maximus (Nanopus) ... 16
maximus (Nothodon) ... *34*
maximus (Ovibos) ... *847*
maximus (Prosaurolophus) ... 217
mayfieldi (Preptoceras) ... 844
Mazama ... *820, 822, 840*
americana ... *822*
virginiana ... *622*
meadi (Palæarctonyx) ... 487
meandrinus (Ælurodon) ... *508*
meandrinus (Canis) ... *508*
meandrinus (Borophagus) ... *508*
meandrinus (Dinocyon) ... *508*
meandrinus (Pliocyon) ... 508
media (Miosula) ... 291
media (Pliauchenia) ... 799
mediævus (Apternodus) ... 427
mediævus (Ptilodus) ... 380
mediatlanticus (Diaphorocetus) ... *597*
mediatlanticus (Hypocetus) ... *597*
mediatlanticus (Orycterocetus) ... 597
medicornutus (Teleoceras) ... 750
mediterraneus (Phalacrocorax) ... 292

Page

medium (Brontotherium) ... 722
medius (Agostopus) ... 2
medius (Allosaurus) ... *178, 181*
medius (Antrodemus) ... *178*
medius (Blastomeryx) ... 818
medius (Camptosaurus) ... 205
medius (Dryptosaurus) ... 178
medius (Leptotragulus) ... 812
medius (Limnocyon) ... *474*
medius (Lycarion) ... *485*
medius (Merychyus) ... 788
medius (Miacis) ... 485
medius (Paramys) ... 903
medius (Pleurocyon) ... 486
medius (Pliocyon) ... 508
medius (Procamelus) ... 799
medius (Protohippus) ... *684*
medius (Protoreodon) ... 778
medius (Sigmodon) ... 895
medius (Thinocyon) ... 474
medius (Thiocyon) ... *474*
medius (Titanops) ... *722*
Megabelodon ... *634*
lulli ... *637*
Megaceratops ... *720*
coloradoënsis ... *720*
Megacerops ... *719, 720*
amplus ... *719*
angustidens ... *720*
angustigenis ... 720
assiniboiensis ... 720
avus ... *720*
bicornutus ... 720
brachycephalus ... 720, *721*
coloradensis ... 720
coloradoënsis ... *720*
crassicornis ... *720*
dispar ... 721
marshi ... 721
primitivus ... 721
riggsi ... 721
robustus ... 721
selwynianus ... 721
serotinus ... *720*
syceras ... *720*
tichoceras ... 721
tyleri ... 721
Megachœrus ... 765
latidens ... 765
zygomaticus ... 765
Megadactylus ... *169, 170*
polyzelus ... *169*
Megalepia ... *150*
Megalictis ... 526
ferox ... 526
Megalneusaurus ... 120
rex ... 120
megalodon (Mesoreodon) ... 783
megalodus (Aceratherium) ... *747*
megalodus (Aphelops) ... 747
Megalomeryx ... *803*
niobrarensis ... *805*
Megalonix ... *408*
Megalonychidæ ... *407*
Megalonychinæ ... 407

Page

Megalonyx 406, 407
californicus 409
curvidens 408
dissimilis 408, 410
jeffersoni 408
jeffersonii 408
leidyi 409
leptostoma 410
leptostomus 410
leydeyi 409
loxodon 410
priscus 411
scalper 410
sierrensis 410
sierrenensis 410
sphenodon 410
tortulus 410
toxodon 410
validus 410
wheatleyi 410
megalophysum (Cetotherium) 572
megalophysum (Plesiocetus) 572
megaloporus (Piptomerus) 121
megalops (Glaucosaurus) 47
megalops (Isodectes) 43
megalops (Pariotichus) 43
Megalornis 331
canadensis 332
minor 332
pratensis 332
Megalornithiformes 331
Megalornithinæ 331
Megalosauria 169, 170
Megalosauridæ 169, 170, 173, 176
Megalosaurinæ 170
Megalosauroidæ 169, 170
Megalosaurus 169, 173, 176
trihedrodon 174
valens 174
megalotis (Reithrodontomys) 892
Megapezia 16, 18
coloradensis 18
pineoi 16
Megaptera 575
boops 576
brachychira 575
longimana 576
miocæna 575
mysticetoides 576
nodosa 576
Megapterna 452
minuta 452
megarhinum (Telmatherium) 716
megarhinus (Mesatirhinus) 716
Megasaurus 256
robustus 256
Megascops 349
bendirei 349
Megatheria 404
Megatheriadæ 404
Megatheridæ 404
Megatheriidæ 404, 407
Megatheriinæ 404
Megatheriini 404
Megatherioidæ 403

Page

Megatherium 403, 404, 408
americanum 405
jeffersonii 408
mirabile 405
Megatylopus 803
gigas 803
Megencephalon 538
primævus 538
Megopterna 452
minuta 452
megaulax (Echmatemys) 95
megaulax (Emys) 95
meirsanus (Thoracosaurus) 150
Melanitta 308
perspicillata 308
Melanodon 374
oweni 374
melanoleucus (Geranoaëtus) 317
melanoleucus (Scolopax) 338
melanoleucus (Spizaëtus) 317
melanoleucus (Totanus) 338
melanops (Eptesicus) 455
Melanosaurus 255
maximus 255
Meleagridæ 328
Meleagrinæ 328
Meleagris 329
altus 330
antiqua 329
antiquus 329
celer 330
gallopavo 330
richmondi 330
silvestris 330
superba 330
superbus 330
meleagroides (Palæophasianus) 328
Meles 534
labradoria 535
taxus 535
Melidæ 534
Melinæ 531, 534
Melitosaurus 148
Menacodon 370
rarus 371
menigaultii (Dioplotherium) 656
Meniscoëssus 382, 384
borealis 382
brevis 382
caperatus 382
cœlatus 382
conquistus 382
fragilis 382
lunatus 384
robustus 384
sculptus 383
Meniscomys 905
cavatus 905
hippodus 905
liolophus 905
multiplicatus 905
Meniscotheridæ 606
Meniscotheriidæ 606
Meniscotherium 606
chamense 607

	Page
Meniscotherium—*Continued*	
priscum	607
tapiacitis	607
terrærubræ	607
meniscula (Branta)	*302*
Menoceras	745
cooki	745
Menodontidæ	*718*
Menodus	718
giganteus	*719*
heloceras	719
ingens	719
peltoceras	*722*
proutii	719
selwynianus	*721*
torvus	*718*
trigonoceras	719
Menops	*722*
varians	*722*
Menotherium	*752*
lemurinum	*752*
robustum	*752*
Menotyphla	450
mentalis (Hoplophoneus)	544
mentalis (Hyopsodus)	444
mentalis (Pelycodus)	*444*
mentalis (Sarcolemur)	*444*
mento (Delphinodon)	588
mento (Dinohyus)	765
Mephiteæ	*531*
mephitica (Mephitis)	*533*
Mephitina	*531*
Mephitinæ	531
Mephitis	532
avia	533
elongata	532
fossidens	*531*
frontata	533
leptops	*532*
mephitica	*532, 533*
mephiticus	*533*
mephitis	*533*
mesomelas	533
newtonensis	533
nigra	533
obtusata	*532*
occidentalis	533
orthostica	533
orthostichus	*533*
orthrostica	*533*
putida	*533*
putorius	*534*
merceri (Machærodus)	*547*
merceri (Smilodon)	*547*
merceri (Uncia)	*547*
mercerii (Felis)	*547*
mercerii (Machærodus)	*547*
mercerii (Machairodus)	*547*
mercerii (Smilodontopsis)	547
mercificus (Mastodon)	*633*
Mergidæ	*309*
Merginæ	309
Mergus	309
americanus	309
cucullatus	*309*

	Page
Mergus—*Continued*	
serrator	309
meridianus (Aphelops)	747
meridianus (Rhinoceros)	*747*
Meriones	*910*
canadensis	*910*
merriami (Dinarctotherium)	523
merriami (Idiophyseter)	597
merriami (Mammut)	630
merriami (Mastodon)	*630*
merriami (Miomastodon)	*630*
merriami (Moropus)	663
merriami (Nanopus)	16
merriami (Nimravus)	543
merriami (Peratherium)	393
merriami (Pliauchenia)	802
merriami (Tapirus)	731
merriami (Teratornis)	313
Merriamia	125
zitteli	125
Merriana	*125*
zitteli	*125*
Merychippus	*680*, 683
avus	*681*
calamarius	684
californicus	684
campestris	684
castilli	*683*
coalingensis	*684, 696*
cunninsii	*696*
eohipparion	684
eoplacidus	684
fossulatus	*697*
francisi	684
insignis	684, *686*
intermontanus	685
isonesus	685
labrosus	685
lenticularis	*693*
mirabilis	*697, 698*
missouriensis	685
obliquus	686
pachyops	688
paniensis	685
parvulus	*688*
patruus	686
perditus	*688, 689*
phlegon	*694*
placidus	*689*
primus	685
proparvulus	686
propinquus	684
quartus	685
quintus	685
relictus	686
republicanus	686
secundus	685
sejunctus	686
seversus	686
severus	*686*
socius	686
speciosus	*687*
sphenodus	686
stylodontus	684
sumani	686

Page

Merychippus—*Continued*
supremus ... *698*
tertius ... 685
vellicans ... 687
Merychyus ... 787
arenarius ... *787*
arenarum ... 787
curtus ... 787
delicatus ... 787
elegans ... 787
harrisonensis ... 787
leptorhynchus ... 787
leptorhyncus ... *787*
major ... 787
medius ... 788
minimus ... 788
paniensis ... 788
parigonus ... *788*
pariogonus ... 788
profectus ... *788*
relictus ... *788*
siouxensis ... 788
smithi ... 788
zygomaticus ... *790*
Merycochœrus ... *784*, 785
altiramis ... *786*
altiramus ... *786*
buwaldi ... 785
californicus ... 785
cenopus ... *785*
chelydra ... *784*
cœnopus ... 785
compressidens ... 785
elrodi ... 785
laticeps ... 786
leidyi ... *784*
macrostegus ... *784*
madisonius ... *786*
magnus ... 786
matthewi ... 786
montanus ... *784*
obliquidens ... 785
proprius ... 786
rusticus ... 786
superbus ... *785*
temporalis ... *785*
Merycodontidæ ... *779*, 830
Merycodontinæ ... 830
Merycodus ... *816*, 830
agilis ... 831
altidens ... 831
coronatus ... 831
furcatus ... 831
gemmifer ... *818*
grandis ... 831
necatus ... 831, *832*
nevadensis ... 831
osborni ... 831
ramosus ... 832
ramulosus ... *832*
sabluonis ... 831
tehuanus ... 832
teres ... *816*
trilateralis ... *816*
warreni ... 832

Page

Merycoides ... 787
cursor ... 787
latidens ... 787
longiceps ... 787
Merycoidodon ... 779
affinis ... 780
bullatum ... *782*
bullatus ... *782*
culbertsoni ... *780*
culbertsonii ... 780
gracilis ... 780
hybridus ... 781
macrorhinus ... 781
minor ... 781
periculorum ... 780
platycephalus ... 781
Merycoidodontidæ ... 779
Merycoidontinæ ... 779
Meryhippus ... *683*
Meryhyus ... *787*
major ... *787*
Mesacodon ... *450*
speciosus ... *450*
Mesatapirus ... *726*
occidentalis ... *726*
Mesatirhinus ... 716
megarhinus ... 716
petersoni ... 716
superior ... *716*
Mesaxonia ... *663*, *664*
Meseutheria ... 397
Mesippus ... *673*
Mesocetus ... 571
siphunculus ... 571
Mesocyon ... 493
brachyops ... 493
coryphæus ... 493
drummondanus ... 493
iamonensis ... 493
josephi ... 493
robustus ... 493
secundus ... 493
Mesodactyli ... *663*
Mesodectes ... 431
caniculus ... 431
Mesodonta ... *918*
Mesogaulus ... 907
ballensis ... 907
Mesohippus ... 672
acutidens ... *675*
anceps ... *676*
annectens ... *676*
assiniboiensis ... 673
bairdi ... 673
bairdii ... *673*
brachylophus ... *676*
brachystylus ... *676*
celer ... 674
condoni ... *676*
copei ... *676*, *725*
cuneatus ... 674
equiceps ... *676*
eulophus ... 674
exoletus ... 674
grallipes ... 674

Page

Mesohippus—*Continued*
hypostylus 674
intermedius *677*
latidens 674
longicristis *677*
meteulophus *677*
montanensis 674
obliquidens 674
planidens 674
portentus 674
præcocidens 674
præstans *678*
propinquus 674
proteulophus 674
stenolophus 675
trigonostylus 675
validus *677*
westoni 675
mesomelas (Chincha) *533*
mesomelas (Mephitis) 533
Mesomeryx 755
grangeri 755
Mesonychidæ *465*, 466
Mesonychinæ *466*
Mesonychini *466*, *475*
Mesonychoidæ 465
Mesonychoidea *465*
Mesonyx 468
dakotensis 468
lanius *469*
obtusidens 468
ossifragus *468*
uintensis *469*
vorax *469*
Mesoplodon *583*, 584
longirostris *583*, 585
prorops *583*, *585*
Mesoreodon 783
chelonyx 783
intermedius 783
latidens *787*
longiceps *787*
megalodon 783
Mesosuchia *146*
Mesotapirus *725*
dakotensis *726*
longipes *726*
occidentalis *726*
procuspidatus *726*
Mesoteras 576
kerrianus 576
Metacænopus *743*
egregius *744*, *745*
egrerius 744
gregorii *744*
stigeri *745*
Metacheiromyidæ 421
Metacheiromys 421
desypus 422
marshi 422
tatusia 422
Metachirómys *422*
Metacœnopus *743*
egregius *743*, 744
stigeri *743*

Page

Metahyrachyus 734
bicornutus 734
Metailurus 549, *553*
intrepidus 549
marshi 550
sinclairi 550
Metalophodon *614*, *615*
metalophus (Cænopus) *741*
metalophus (Subhyracodon) *741*
Metamosaurus 60
fossatus 60
Metamynodon 738
planifrons 738
rex 738
Metarhinus *141*, 717
bransoni *141*
buceros *144*
cristatus 717
earlei 717
fluviatilis 717
riparius 717
Metarmosaurus *60*
Metatheria *385*
Metaxytherium 655
floridanum 656
jordani 656
manigaultii 656
Meteoreodon *788*
relictus *788*
meteulophus (Mesohippus) *677*
meteulophus (Miohippus) 677
Metopocetus 573
durinasus 573
Metoreodon *787*, 788
profectus 788
relictus 788
metsiacus (Diacodexis) 756
metsiacus (Trigonolestes) *756*
metszeri (Barypodus) 7
mexicana (Ardea) *832*
mexicana (Capromeryx) 832
mexicanum (Nothrotherium) 406
mexicanus (Brachyostracon) 421
mexicanus (Canis) 116
mexicanus (Falco) 322
mexicanus (Glyptodon) *421*
mexicanus (Grus) 332
mexicanus (Mastodon) *629*
mexicanus (Plesiosaurus) 116
mexicanus (Polyptychodon) *116*
Miacidæ 481
Miacididæ *481*
Miacinæ 483
Miacis 484
bathygnathus *484*
brevirostris *486*
canavus *486*
exiguus 485
hargeri 485
latidens 485
medius 485
parvivorus 485
robustus 485
sylvestris 485
uintensis 485

	Page
Miacis—*Continued*	
vulpinus	485
washakius	485
Miacoidæ	481
Micrathene	*350*
whitneyi	*351*
Micrichnium	*16*
scotti	*16*
Micrichnus	16
scotti	16
microcephalus (Promerycochœrus)	784
Microchiroptera	*453*
Microclænodon	466
assurgens	466
Microconodon	368
tenuirostris	368
Microcyops	*449*
microdon (Thomomys)	878
Microdontosaurus	*127*
petersoni	*127*
microdus (Edaphosaurus)	58
microdus (Naosaurus)	*58*
microdus (Xestops)	255
microglypha (Zygoramma)	91
Microlestidæ	*376*
micromus (Rhinosaurus)	*259*
micromus (Tylosaurus)	259
Micronodon	*368*
tenuirostris	*368*
Micropalama	337
hesterna	337
Micropallas	350
whitneyi	350
microporus (Piptomerus)	121
Micropternodus	427
borealis	427
Micropteron	*584*
Microsorex	440
minutus	440
Microsus	756
cuspidatus	756
Microsyopidæ	*448*
Microsyops	449
annectans	450
elegans	450
gracilis	*450*
latidens	*449*
schlosseri	450
scottianus	*449*
speciosus	*450*
typus	450
uintensis	*924*
verus	450
Microsyopsidæ	448
Microtinæ	*891*, 896
Microtus	896
alleni	*900*
austerus	*898*
californicus	897
cautus	*898*
chrotorrhinus	897
didelta	897
dideltus	*897*
diluvianus	897
involutus	898

	Page
Microtus—*Continued*	
montanus	898
mordax	898
neglectus	897
ochrogaster	898
pennsylvanicus	898
pinetorum	*900*
richardsoni	898
speothen	898
vellerosus	*898*
micula (Chlorænas)	345
midas (Chelone)	*82*
miersii (Mosasaurus)	262
migrans (Agriochœrus)	777
milleri (Canis)	*501*
milleri (Helohyus)	761
milleri (Pareumys)	892
milo (Agathaumas)	*212*
Milvidæ	314
Milvinæ	*314*
Milvus	*314*
leucurus	*314*
Mimocyon	485
longipes	485
mimus (Hyracodon)	*736*
Minerva	352
antiqua	352
saurodosis	352
minidokæ (Camelops)	804
minima (Auchenia)	*798*, *799*
minima (Branta)	302
minima (Exocampe)	12
minima (Pliauchenia)	802
minimum (Anchitherium)	*682*
minimum (Hipparion)	*682*
minimum (Neohipparion)	*682*
minimus (Adjidaumo)	881
minimus (Adjidaumus)	*881*
minimus (Agriochœrus)	778
minimus (Anaptomorphus)	928
minimus (Anomœpus)	4
minimus (Apatosaurus)	195
minimus (Argoides)	6
minimus (Brontosaurus)	*195*
minimus (Entoptychus)	876
minimus (Eotitanops)	712
minimus (Gymnoptychus)	*881*
minimus (Hypisodus)	811
minimus (Laosaurus)	206
minimus (Merychyus)	*788*
minimus (Miccylotyrans)	374
minimus (Mysops)	904
minimus (Parahippus)	682
minimus (Peromyscus)	894
minimus (Plesiornis)	*6*
minimus (Procamelus)	798
minimus (Sciuravus)	*904*
minimus (Thinocyon)	474
minisculum (Brontozoum)	*3*
minitans (Plectropterna)	19
minor (Adjidaumo)	881
minor (Adjidaumus)	*881*
minor (Anchippodus)	*855*
minor (Anomœpus)	*5*
minor (Apatichnus)	5

	Page
minor (Arctomys)	*871*
minor (Auchenia)	*799*
minor (Capromeryx)	832
minor (Cynodesmus)	491
minor (Dipodomys)	881
minor (Entoptychus)	876
minor (Eumys)	892
minor (Euprotogonia)	*603*
minor (Fulica)	334
minor (Gavialis)	148
minor (Geomys)	879
minor (Gigandipus)	*5*
minor (Grus)	*332*
minor (Gymnoptychus)	*881*
minor (Hadrosaurus)	209
minor (Hipparion)	*693*
minor (Hylopus)	14
minor (Hyopsodus)	444
minor (Marmota)	871
minor (Martes)	*529*
minor (Megalornis)	*332*
minor (Merycoidodon)	781
minor (Mosasaurus)	262
minor (Mustela)	529
minor (Otouphepus)	17
minor (Palæchthon)	928
minor (Palæosyops)	*555*
minor (Perchœrus)	768
minor (Plesiornis)	*4*
minor (Pliauchenia)	799
minor (Pliohippus)	697
minor (Procamelus)	798
minor (Promerycochœrus)	784
minor (Protoreodon)	778
minor (Sigmodon)	895
minor (Sinopa)	477, *478*
minor (Teleoceras)	750
minor (Tetraclænodon)	603
minor (Trachodon)	*209*
minor (Trogosus)	855
minor (Zeuglodon)	*568*
minor (Zygorhiza)	568
minus (Gigantitherium)	*5*
minus (Hipparion)	693
minus (Otozoum)	17
minuscula (Branta)	302
minusculus (Anchisauripus)	*3*
minusculus (Brontozoum)	*3*
minusculus (Dilophodon)	724
minusculus (Eubrontes)	*3*
minusculus (Helaletes)	*724*
minusculus (Hyopsodus)	444
minuta (Megapterna)	*452*
minuta (Megopterna)	452
minutalis (Parahippus)	682
minutus (Adjidaumo)	881
minutus (Adjidaumus)	*881*
minutus (Anaptomorphus)	*435*
minutus (Cimolomys)	381
minutus (Entomacodon)	435
minutus (Equus)	*694*
minutus (Gymnoptychus)	*881*
minutus (Histrionicus)	*308*
minutus (Hyænodon)	*481*
minutus (Hypertragulus)	813
minutus (Microsorex)	440
minutus (Nanomys)	*381*
minutus (Notharctus)	*926*
minutus (Omomys)	926
minutus (Ornithomimus)	183
minutus (Pliohippus)	*694*
minutus (Protohippus)	*694*
minutus (Pseudopterodon)	481
minutus (Pterodon)	*481*
minutus (Viverravus)	483
minutus (Xestops)	255
Miobasileus	*722*
ophryas	*722*
miocæna (Megaptera)	575
miocæna (Platypeltis)	112
miocænus (Palæochenoides)	*291*
miocænus (Phasianus)	*328*
miocænus (Proscalops)	436
miocænus (Trionyx)	*112*
mioceanus (Palæochenioides)	291
mioceanus (Phasianus)	328
Mioclænidæ	607
Mioclænus	607
acolytus	608
inæquidens	608
lemuroides	607
lydekkerianus	607
turgidunculus	607
turgidus	607
Miocyon	*482, 484*
bathygnathus	*484*
Miohippus	*673*, 675, *681*
acutidens	675
agrestis	*681*
anceps	676
annectens	676
australis	*681*
bairdi	*673*
blackbergi	676
brachylophus	676
brachystylus	676
celer	*673*
condoni	676
copei	725
crassicuspis	676
cuneatus	*674*
equiceps	676
equinanus	676
exoletus	*674*
gemmarosæ	676
gidleyi	676
intermedius	677
longicristis	677
meteulophus	677
navasotæ	677
præstans	*678*
primus	677
quartus	677
ultimus	*683*
validus	677
westoni	*675*
Miolabinæ	796
Miolabis	796
cameloides	*797*
fissidens	*801*
longiceps	*801*
primævus	*797*

Page

Miolabis—*Continued*
sternbergi 797
tenuis 796
transmontanus 796
Miomastodon 630
mathewi 630
merriami 630
proavus 638
Mionictis 536
elegans 536
incertus 536
Miosula 291
media 291
mira (Amyda) 111
mirabile (Dinoceras) 619
mirabile (Megatherium) 405
mirabile (Planetetherium) 608
mirabile (Uintatherium) 619
mirabilis (Diclonius) 211
mirabilis (Gryposaurus) 214
mirabilis (Hadrosaurus) 211
mirabilis (Merychippus) 697, 698
mirabilis (Plesiornis) 19
mirabilis (Pliohippus) 697
mirabilis (Protohippus) 697
mirabilis (Trachodon) 211
mirandus (Aublysodon) 177
mirandus (Ornithomimus) 177
mirificum (Mammut) 633
mirificus (Anancus) 633
mirificus (Dibelodon) 633
mirificus (Elephas) 633
mirificus (Mammut) 633
mirificus (Mastodon) 633
mirificus (Rhabdobunus) 633
mirificus (Stegodon) 633
mirificus (Stegomastodon) 633
mirificus (Tetralophodon) 633
mirus (Apatodon) 201
mirus (Apatomerus) 164
mirus (Ophiacodon) 49
mirus (Panoplosaurus) 237
mirus (Stylinodon) 401
mirus (Trionyx) 111
mississipiensis (Eopteryx) 360
mississippiensis (Ænocyon) 501
mississippiensis (Alligator) 157
mississippiensis (Canis) 501
mississippiensis (Champsa) 157
mississippiensis (Elephas) 644
mississippiensis (Eopteryx) 360
missouriensis (Colletosaurus) 9
missouriensis (Ichthyosaurus) 262
missouriensis (Merychippus) 685
missouriensis (Mosasaurus) 262
missouriensis (Mylodon) 413
missouriensis (Neolacerta) 9
missouriensis (Notalacerta) 9
missouriensis (Notolacerta) 9
Missourium 627
tetracaulodon 627
theristocaulodon 628
missuriensis (Polythorax) 73
Missurium 624
tetracaulodon 627
theristocaulodon 627

Page

mitchillii (Macrosaurus) 259
mite (Aceratherium) 742
miti (Caenopus) 444
miticulus (Hyopsodus) 444
mitis (Cænopus) 742
mitis (Elomeryx) 759
mitis (Subhyracodon) 742
miuntis (Xestops) 255
Mixoclænus 463
encinensis 463
Mixodectes 447, 448
copei 448
crassiusculus 448
crassivultus 448
pungens 448
Mixodectidæ 447
Mixodectinæ 447
Mixodectini 447
Mixodectoidæ 445
Mixophagus 516
spelæus 516
Mixosauridæ 124
Mixosaurinæ 124
Mixosaurus 124, 125
natans 125
modesta (Phoca) 564
modestus (Hyrachyus) 734
modestus (Isectolophus) 734
modestus (Lophiodon) 734
modestus (Squalodon) 564
modicus (Brachypsalis) 526
Mœritherioidea 621
mohavense (Hipparion) 693
mohavensis (Hadrocyon) 508
mohavensis (Testudo) 104
molaria (Erquelinnesia) 77
molaris (Diadectes) 34
molaris (Empedias) 34
molaris (Empedocles) 34
molestus (Coryphodon) 616
molestus (Eucosmodon) 379
molestus (Neoplagiaulax) 379
molle (Hipparion) 693
molle (Neohipparion) 693
mollis (Blastomeryx) 818
mollis (Nothocyon) 492
molopinus (Anostira) 106
molopinus (Plastomenus) 106
molops (Taphrosphys) 75
molossus (Hoplophoneus) 544
monax (Arctomys) 871
monax (Marmota) 871
mongoliæ (Cervus) 830
Monitor 251
Monitoridæ 251
Monoceros 595
monoceros (Monodon) 595
Monocloniinæ 220
Monoclonius 221, 231
belli 223
canadensis 221
crassus 222, 225
cutleri 222
dawsoni 222, 224
fissus 222
flexus 222, 224

Page

Page

Page

Moassauriformes 257
Mosasaurinæ 261
Mosasaurioidea 267
Mosasaurus 261
brumbyi 262
carolinensis 262
copeanus 262
couperi 262
crassidens 262
dekayi 262
depressus 262
fulciatus 262
horridus 262
maximiliani 262
maximus 262
miersii 262
minor 262
missouriensis 262
oarthrus 262
princeps 262
moschatus (Bos) 845
moschatus (Ovibos) 845
moschatus (Prævibos) 846
Mososaurus 262
maximiliani 262
mourningi (Archæohippus) 682
mourningi (Parahippus) 682
mudgei (Colonosaurus) 232
mudgei (Lestosaurus) 260
mudgei (Platecarpus) 260
mudgei (Plesiosaurus) 116
mugitans (Botaurus) 295
mullicensis (Thoracosaurus) 150
multicuspis (Aletocyon) 513
multicuspis (Nothocyon) 492
multicuspis (Paricyops) 432
multicuspis (Plagiomene) 451
multicuspis (Sinopa) 477
multicuspis (Stypolophus) 477
multifragum (Psittacotherium) 399
mutilus (Aphelops) 747
multiplicatus (Allomys) 905
Multituberculata 368, 375
munda (Testudo) 104
munroënsis (Phenacocœlus) 789
Muræosaurus 120
reedii 120
Muridæ 889, 891
Murina 889
Murinæ 889
Murini 889
murinus (Paramys) 903
murivorus (Calamagras) 268
Muroidæ 889
Mus 889
cinereus 895
grœndlandicus 899
paca 913
zibethicus 901
muscatinensis (Cervus) 825
muscatinensis (Rangifer) 825
musculosus (Symphyrophus) 193
musculus (Ectypodus) 381
musculus (Tetonius) 929
Mustela 527
americana 527

Page

Mustela—*Continued*
angustidens 528
arizonensis 528
buwaldi 528
cicognanii 528
diluviana 528
furlongi 528
gracilis 528
macrodon 528
minor 529
nambianus 530
noveboracensis 529
ogygia 527
parviloba 527
pennanti 527
vison 529
Mustelidæ 524
Mustelina 524
Mustelinæ 524
Mustelini 524
mustelinus (Ælurodon) 527
mustelinus (Hyænodon) 480
mustelinus (Thinocyon) 474
Mustelladæ 524
mutilatus (Xenacodon) 432
mutilus (Aphelops) 747
Myacis 484
Myccylotyrans 374
minimus 374
Mycteria 296, 297
americana 297, 297
mycteria (Ciconia) 296
mycteria (Jabiru) 296
Mycteriinæ 298
Mycterosaurus 46
longiceps 47
Myctomys 898
borealis 898
mydas (Chelone) 82
mydas (Chelonia) 82
mydas (Testudo) 82
Myiotis 464
subulatus 464
Mylagaulidæ 907
Mylagaulinæ 907
Mylagaulini 907
Mylagaulodon 907
angulatus 907
Mylagaulus 907
angulatus 907
ballensis 907
lævis 908
monodon 908
novellus 908
paniensis 908
pristinus 908
proximus 908
sesquipedalis 908
vetus 908
Mylodon 411
freudenbergi 412
garmani 412
harlani 412, 414
missouriensis 413
nebrascensis 413
renidens 414

Page

Mylodon—*Continued*
robustus *413*
sodalis 414
sulcidens 414
tenuiceps 414
Mylodontidæ *411*
Mylodontinæ *411*
Mylohyus *773*, 774, *775*
browni 774
exortivus 774
nasutus 774
obtusidens 774
pennsylvanicus 774
setiger *773*
temerarius 774
tetragonus *773*
Mynomes *898*
mordax *898*
Myocyon *485*
Myodes *899*
torquatus *899*
myodes (Trogolemur) 447
Myoidæ *889*
Myoidea *889*
myoides (Trogolemur) *447*
Myolestes 435
dasypelix 435
Myomorpha *867*, *889*
Myomorphi *889*
Myotis 454
subulatus 454
Myrmecoboides 432
montanensis 432
Mysops 904
fraternus 904
kalicola 904
minimus 904
Mystacocete *571*
Mystacoceti *571*
Mysticeta *571*
Mysticete 571
Mysticeti *571*
mysticetoides (Cetotherium) *576*
mysticetoides (Megaptera) 576
Mysticoceti *571*
Mystococeti *571*
Mystriosuchidæ *141*
Mystriosuchinæ *141*
Mystriosuchus *145*
carolinensis *145*
Myxophagus *516*
spelæus *516*
Næmorhedus 840
palmeri 840
Naiadochelys 75
ingravata 75
nambianus (Martes) *530*
nambianus (Mustela) *530*
nambianus (Putorius) 530
Nannihippus *691*
Nannipus *694*
phlegon *694*
Nannosaurinæ *203*
Nannosaurus *188*, *203*
victor *188*
Nannotragulus *811*

Page

Nanohyus *430*
porcinus *430*
nanolophus (Cænopus) 742
Nanomeryx 755
caudatus 755
Nanomys *881*
minutus *881*
Nanopus *10*, 16
caudatus 16
maximus 16
merriami 16
obtusus *10*
quadratus *11*
vetustus 16
Nanosauridæ 203
Nanosaurus *188*, 203
agilis 204
rex 204
victor *188*
Nanotragulus 811
loomisi 811
ordinatus 811
nanum (Diceratherium) *744*
nanus (Antiacodon) *926*
nanus (Astrodon) 193
nanus (Bystra) 100
nanus (Camptosaurus) 205
nanus (Ctenacodon) *878*
nanus (Diplosaurus) *146*
nanus (Goniopholis) 146
nanus (Helaletes) 724
nanus (Hemiacodon) 927
nanus (Ischyromys) 891
nanus (Pediocætes) *326*
nanus (Pediocetes) *326*
nanus (Pediœcetes) 326
nanus (Perchœrus) 768
nanus (Pleurocœlus) *193*
nanus (Pteranodon) *164*
nanus (Triacodon) 479
Naocephalus 256
porrectus 256
naomi (Echmatemys) 95
Naomichelys 73
speciosa 73
Naosauri *57*
Naosauridæ *57*
Naosaurinæ *57*
Naosaurus *53*, *54*, *57*, *58*
claviger *58*
cruciger *58*
microdus *58*
pogonias *58*
raymondi *59*
Nasicornia *739*
nasicornis (Ceratosaurus) 176
nasicornis (Megalosaurus) *176*
nasicornus (Monoclonius) 222
nassau (Aspideretes) 109
nastus (Protoceras) *814*
nasutus (Mylohyus) 774
nasutus (Protoceras) 814
nasutus (Tamias) 873
nasutus (Tayassu) *774*
nasutus (Tayassus) *774*
natalis (Clepsydrops) 53

	Page
natans (Baptanodon)	*128*
natans (Cymbospondylus)	125
natans (Mixosaurus)	*125*
natans (Ophthalmosaurus)	128
natans (Pantolestes)	426
Natantia	*565*
natator (Hyposaurus)	147
natator (Oryzomys)	894
Natatores	*299*
Natricidæ	*269*
Natricinæ	*269*
Natrix	270
Nautilornis	344
proavitus	344
Nautilornithinae	344
navajoicus (Arribasaurus)	*49*
navajoicus (Dimetrodon)	*49*
navajovicus (Dimetrodon)	*49*
navajovicus (Dissacus)	*467*
navajovicus (Kritosaurus)	*214*
Navajovius	929
kohlhaasæ	929
navajovius (Dissacus)	467
navajovius (Kritosaurus)	214
navajovius (Nectosaurus)	*214*
navasotæ (Miohippus)	677
navijoicus (Dimetrodon)	*49*
nebrascense (Hyracodon)	*736*
nebrascensis (Daphænus)	*505*
nebrascensis (Daphœnus)	505
nebrascensis (Fiber)	*901*
nebrascensis (Giraffa)	834
nebrascensis (Hyracodon)	*736*
nebrascensis (Mylodon)	*413*
nebrascensis (Ondatra)	901
nebrascensis (Palæocastor)	884
nebrascensis (Parahippus)	682
nebrascensis (Paramylodon)	*413*
nebrascensis (Proamphicyon)	*504, 505*
nebrascensis (Smilodon)	549
nebrascensis (Stegomastodon)	633
nebrascensis (Steneofiber)	*884*
nebrascensis (Stylemys)	101
nebrascensis (Testudo)	*101*
nebraskensis (Hyracodon)	736
nebraskensis (Parahippus)	*682*
necatus (Merycodus)	831, *832*
Nectoportheus	264
validus	264
Nectosaurus	*214*, 242
halius	242
navajovius	*214*
neglecta (Sturnella)	357
neglectus (Microtus)	897
neglectus (Thescelosaurus)	207
nelsoni (Amyda)	111
nelsoni (Cuniculus)	913
nematodon (Hesperomys)	*894*
nematodon (Peromyscus)	894
Nemorhædus	*840*
Nemorhedinæ	*840*
Nemorhedus	*840*
Nemorhœdus	*840*
palmeri	*840*
Nemorrhædidæ	*840*
Nemorrhædus	*840*
Nemorrhedinæ	*840*
Neobunodontia	*752, 761*
neocesariensis (Thoracosaurus)	*149*, 150
Neochœrus	915
pinckneyi	915
Neoclænodon	465
latidens	465
montanensis	465
silberlingi	465
Neofiber	900
alleni	900
floridana	*895*
Neogyps	323
errans	323
Neohipparion	*690, 691*
affine	*691*
calimarium	*684*
cragini	*692*
dolichops	*692*
eurystylum	*692*
gidleyi	*692*
gratum	*692*
ingenuum	*692*
isonesum	*685*
lenticulare	*693*
leptode	*693*
molle	*693*
montezumæ	*693, 694*
niobrarense	*688*
occidentale	*693*
peninsulatum	*694*
plicatile	*694*
princeps	*708*
rectidens	*694*
relictum	*686*
retrusum	*689*
seversum	*686*
sinclairi	*694*
sinclairii	*694*
speciosum	*687*
sphenodus	*686*
tehonense	*692*
whitneyi	*695*
Neohippus	*699*
complicatus	*703*
fraternus	*706*
laurentius	*703*
leidyi	*706*
littoralis	*706*
niobrarensis	*706*
occidentalis	*707*
pectinatus	*703*
princeps	*708*
semiplicatus	*708*
Neohyænodon	480
horridus	480
Neolacerta	*9*
missouriensis	*9*
neolassicus (Physeterula)	*597*
Neomeryx	836
finni	836
Neomorpha	*848*
Neomorphinæ	347
Neomorphus	348
Neophrontops	323
americanus	323

Page

Neoplagiaulacidæ ---- *376*
Neoplagiaulax ---- 378
americanus ---- 379
molestus ---- 379
Neornithes ---- *277*
Neosciurus ---- *874*
carolinensis ---- *874*
Neotoma ---- 895
cinerea ---- 895
floridana ---- 895
fossilis ---- 895
fuscipes ---- *895*, 896
magister ---- 896
occidentalis ---- 895
ozarkensis ---- 896
pennsylvanica ---- 896
spelæa ---- 896
Neotominæ ---- *891*
Neotragoceras ---- *838*
Neotragocerus ---- 838
improvisus ---- 838
lindgreni ---- 838
Neovulpavus ---- *484*
washakius ---- *485*
nepæolicus (Liodon) ---- *259*
nepæolicus (Tylosaurus) ---- 259
Nephrosteon ---- *599*
neptunia (Protostega) ---- 78
Neptunochelys ---- 77
tuberosa ---- 77
Nettion ---- 305
carolinense ---- 305
Neurankylus ---- 70
baueri ---- 70
eximius ---- 70
wyomingensis ---- 71
Neurodromicus ---- 271
dorsalis ---- 271
nevadanus (Camelops) ---- 805
nevadanus (Cymbospondylus) ---- 125
nevadanus (Omphalosaurus) ---- 129
nevadanus (Sphenophalos) ---- 840
nevadensis (Arctomys) ---- *871*
nevadensis (Bassariscus) ---- *516*
nevadensis (Drymohippus) ---- *679*
nevadensis (Homo) ---- *413*
nevadensis (Hypohippus) ---- 679
nevadensis (Marmota) ---- 871
nevadensis (Merycodus) ---- 831
nevadensis (Oreolagus) ---- 866
nevadensis (Palæolagus) ---- 866
nevadensis (Parataxidea) ---- *535*
nevadensis (Taxidea) ---- 535
newhalli (Delphinavus) ---- 588
newhalli (Delphinurus) ---- 588
newtonensis (Mephitis) ---- 533
nidificans (Batrachoides) ---- 8
nigra (Chlidonias) ---- 342
nigra (Hydrochelidon) ---- *342*
nigra (Mephitis) ---- 533
nigricollis (Colymbus) ---- 286
nigricollis (Podiceps) ---- *286*
nigridens (Carpolestes) ---- 925
nigripes (Diomedea) ---- 288
Nimravidæ ---- *541*
Nimravus ---- *542*, 543

Page

Nimravus—*Continued*
brachyops ---- *542*
confertus ---- 543
debilis ---- 543
gomphodus ---- 543
major ---- 543
merriami ---- 543
platycopis ---- *542*
sectator ---- 543
niobrarense (Diceratherium) ---- 744
niobrarense (Neohipparion) ---- *688*
niobrarensis (Camelops) ---- 805
niobrarensis (Diceratherium) ---- *744*
niobrarensis (Equus) ---- 706
niobrarensis (Machærodus) ---- *547*
niobrarensis (Machairodus) ---- 547
niobrarensis (Megalomeryx) ---- *805*
niobrarensis (Protohippus) ---- 688
niobrarensis (Stylemys) ---- *104*
niobrarensis (Testudo) ---- 104
niobrarius (Cynomys) ---- 872
nitens (Allomys) ---- 905
nitens (Entomolestes) ---- 451
nitida (Leptauchenia) ---- 789
nitidum (Nyctitherium) ---- 434
nitidus (Camelops) ---- 805
nitidus (Cimolodon) ---- 381
nitidus (Cimolomys) ---- *381*
nitidus (Paramys) ---- *909*
nitidus (Sciuravus) ---- 909
nitidus (Talpavus) ---- *434*
nitidus (Viverravus) ---- 483
nitor (Stagodon) ---- 392
nivalis (Anas) ---- *303*
nivalis (Chen) ---- *303*
nivicolens (Boötherium) ---- 846
nobeli (Laoporus) ---- *15*
nobilis (Aletornis) ---- 332
nobilis (Basilemys) ---- 88
nobilis (Elasmosaurus) ---- 118
nobilis (Grus) ---- *332*
nobilis (Martes) ---- 527
nobilis (Pliohippus) ---- 697
noblei (Laoporus) ---- 15
noctivagus (Absarokius) ---- 929
Nocturni ---- *348*
nodosa (Baëna) ---- 72
nodosa (Megaptera) ---- 576
Nodosauridæ ---- 235
Nodosaurinæ ---- 235
Nodosaurus ---- 236
textilis ---- 236
nodosus (Glyptosaurus) ---- 254
nodosus (Taphrosphys) ---- 75
Non-Ruminantia ---- *752*
notabilis (Gryposaurus) ---- *214*
notabilis (Kritosaurus) ---- 214
Notalacerta ---- *7*
jacksonensis ---- *7*
missouriensis ---- *9*
Notamphibia ---- *7*
magna ---- *9*
Notharctidæ ---- *920*
Notharctinæ ---- 920
Notharctus ---- 922
affinis ---- 922

	Page
Notharctus—*Continued*	
anceps	922
cingulatus	*449*
crassus	922
elegans	*450*
formosus	923
gracilis	*923, 924*
matthewi	923
minutus	*926*
nunienum	923
nunienus	*923*
osborni	923
palmeri	*449*
pugnax	923
relictus	923
robustior	923
rostratus	923
tenebrosus	923
tyrannus	923
uintensis	*924*
vasachiensis	*669*
venticolus	924
Nothocyon	492
annectens	492
coloradoënsis	493
geismarianus	492
gregarius	*490*
gregorii	492
latidens	492
mollis	492
multicuspis	492
lemur	492
vulpinus	493
Nothodectes	446
dubius	446
gidleyi	446
Nothodon	*33, 34*
lentus	*34*
maximus	*34*
Nothodontidæ	*33*
Nothosaurops	*132*
occiduus	*133*
Nothosaurus	*126*
pacificus	*126*
Nothrotheriinæ	406
Nothrotherinæ	*406*
Nothrotherium	406
chastense	*406*
graciliceps	*406*
hawveri	406
shastense	406
texanum	406
Notolacerta	*7*
jacksonensis	*7*
missouriensis	*9*
Notomorpha	92, *96*
gravis	92
testudinea	*96*
Notorostrinæ	*623*
Notosauridæ	*235*
Nototherium	*406*
Notungulata	660
noveboracensis (Mustela)	529
noveboracensis (Putorius)	*529*
novellus (Mylagaulus)	908
novomehicanus (Calamodon)	400
novomehicanus (Ectagonus)	*400*
novomehicanus (Ectoganus)	*400*
novomexicanus (Edaphosaurus)	58
nubilis (Canis)	499
nuchocarinata (Trachemys)	97
nuniensis (Pelycodus)	*923*
nunienus (Notharctus)	923
nunienum (Pelycodus)	*923*
nunienus (Notharctus)	*923*
nunienus (Pelycodus)	*923*
nunienus (Phenacodus)	605
nuptus (Diacodexis)	756
nuptus (Trigonolestes)	*756*
Nycterides	*348*
Nyctilestes	*434*
serotinus	*435*
Nyctitheriidæ	434
Nyctitherium	434
celatum	434
curtidens	434
nitidum	434
priscum	435
serotinum	435
velox	435
Nyctodactylinæ	*163*
Nyctodactylus	*163*
gracilis	*164*
Nyctosauridæ	*163*
Nyctosaurinæ	163
Nyctosaurus	163
gracilis	163, 164
nanus	164
Nyssodon	390
punctidens	390
oarthrus (Mosasaurus)	262
obesus (Comptichnus)	10
obesus (Hoplocetus)	598
obesus (Odobenus)	560
obesus (Odobœnus)	*560*
obesus (Trichechus)	*560*
obliquidens (Brachypsalis)	526
obliquidens (Gomphotherium)	637
obliquidens (Leptomeryx)	810
obliquidens (Merycochœrus)	*785*
obliquidens (Mesohippus)	674
obliquidens (Promerycochœrus)	785
obliquidens (Protapirus)	729
obliquidens (Prothyracodon)	735
obliquidens (Serridentinus)	*637*
obliquidens (Triplopus)	*735*
obliquus (Coryphodon)	616
obliquus (Merychippus)	686
obliquus (Odaxosaurus)	256
obscura (Echmatemys)	95
obscurum (Gomphotherium)	637
obscurum (Mammut)	*637*
obscurus (Batrachichnus)	7
obscurus (Compsemys)	88
obscurus (Crocodilus)	*150*
obscurus (Dendragapus)	325
obscurus (Dibelodon)	*637*
obscurus (Emys)	*88*
obscurus (Holops)	*150*
obscurus (Mastodon)	*636, 637, 639*
obscurus (Serridentinus)	*637*
obscurus (Sorex)	441

Page

obscurus (Tetrabelodon) 637
obscurus (Tetrao) 325
obscurus (Thoracosaurus) 150
obscurus (Trilophodon) 637
obtusa (Eupachemys) 104
obtusa (Parasaniwa) 252
obtusa (Testudo) 104
obtusata (Brachyprotoma) 532
obtusata (Mephitis) 532
obtusatus (Brachyprotoma) 532
obtusidens (Dimetrodon) 56
obtusidens (Glyptosaurus) 254
obtusidens (Mesonyx) 468
obtusidens (Mylohyus) 774
obtusidens (Puercosaurus) 43
obtusidens (Theropleura) 56
obtusilobus (Stibarus) 753
obtusis (Dromillopus) 10
obtusus (Dromillopus) 10
obtusus (Dryolestes) 372
obtusus (Nanopus) 10
obtusus (Triceratops) 229
ocalana (Testudo) 104
occidentale (Aceratherium) 741
occidentale (Acerotherium) 741
occidentale (Hipparion) 693
occidentale (Hippotherium) 693
occidentale (Neohipparion) 693
occidentalis (Æchmophorus) 286
occidentalis (Æchmothorus) 286
occidentalis (Bison) 851
occidentalis (Boavus) 268
occidentalis (Cænopus) 741
occidentalis (Camelus) 799
occidentalis (Canis) 498, 499
occidentalis (Catharista) 311
occidentalis (Chinca) 533
occidentalis (Colodon) 726
occidentalis (Coragyps) 311
occidentalis (Eporeodon) 782
occidentalis (Equus) 707
occidentalis (Eucrotaphus) 781
occidentalis (Hadrosaurus) 213
occidentalis (Hoplophoneus) 544
occidentalis (Lupus) 499
occidentalis (Lynx) 555
occidentalis (Mephitis) 533
occidentalis (Mesatapirus) 726
occidentalis (Neohippus) 707
occidentalis (Neotoma) 895
occidentalis (Palæonictis) 473
occidentalis (Plesiocetopsis) 572
occidentalis (Podiceps) 286
occidentalis (Podilymbus) 286
occidentalis (Podylymbus) 285
occidentalis (Procamelus) 799
occidentalis (Protolabis) 799
occidentalis (Pteranodon) 163
occidentalis (Pterodactylus) 163
occidentalis (Rhinoceros) 741
occidentalis (Subhyracodon) 741
occidentalis (Thespesius) 212
occidua (Phocæna) 589
occiduus (Champsosaurus) 133
occiduus (Delphinus) 589
occiduus (Lonchodelphis) 593

Page

occiduus (Nothosaurops) 133
occiduus (Plesiosaurus) 133
occipitalis (Thomomys) 877
ocellatus (Glyptosaurus) 254
Ochotona 859
palatina 859
princeps 860
Ochotonidæ 859
Ochotora 860
princeps 860
ochrogaster (Hypudæus) 898
ochrogaster (Microtus) 898
ochropus (Canis) 500
ocropus (Canis) 500
Octacodon 758, 759
gibbiceps 759
valens 759
octonarius (Hadrianus) 100
ocyrrhoë (Echmatemys) 95
Odaxosaurus 256
obliquus 256
Odobænidæ 559
Odobænus 559
rosmarinus 560
rosmarus 560
Odobenidæ 559
Odobenotherium 560
virginianum 560
Odobenus 559
divergens 560
obesus 560
rosmarus 560
virginianus 560
Odobœnus 560
obesus 560
Odocoileus 820
americanus 821
columbianus 821
dolichopsis 821
ensifer 821
hemionus 821
lævicornis 821
osceola 821
sellardsi 821
sellardsiæ 821
virginianus 821
whitneyi 822
withneyi 822
Odontobænus 560
Odontoceta 578
Odontocete 578
Odontocetes 578
Odontoceti 578
Odontocetoidea 578
Odontocœtes 578
Odontoglossæ 297
Odontoholcæ 278
Odontolcæ 277
Odontophoridæ 327
Odontophorinæ 327
Odontormæ 281
Odontornithes 277
Odontotormæ 281
Œdemia 308
perspicillata 308
œdemius (Anostira) 106

Page

œdemius (Plastomenus) 106
Œdicnemidæ 339
Œdicneminæ 339
ogmius (Basilemys) 88
ogmius (Compsemys) 88
Ogmobalæna 574
Ogmodeirus 119
Ogmodirus 119
martinii 119
Ogmophis 268
angulatus 268
arenarum 268
compactus 268
oregonensis 268
Ogmorhinus 562
vetus 562
ogygia (Martes) 527
ogygia (Mustela) 527
ogygia (Plionictis) 527
oharrai (Hoplophoneus) 544
ohioënsis (Castoroides) 888
ohioticum (Tetracaulodon) 630
ohioticus (Elephas) 625
ohioticus (Mastodon) 625
Oidemia 308
perspicillata 308
Olbodotes 448
Olbodotidæ 447
copei 448
Olbotes 448
copei 448
olcotti (Blastomeryx) 818
Oldobotidæ 447
Oligobænus 525
Oligobunis 448, 525
crassivultus 525
darbyi 525
lepidus 525
robustior 525
oligobunis (Anancus) 632
oligobunis (Cordillerion) 632
oligobunis (Dibelodon) 631
oligobunis (Mastodon) 631, 632
oligocænus (Colymbus) 286
oligoceanus (Colymbus) 286
Oligodontæ 403
olseni (Diacodexis) 756
olseni (Orthogenysuchus) 156
olseni (Thryptacodon) 462
olsenii (Parasauromalus) 246
Oligosimus 121
grandævus 121
primævus 121
Oligotomus 670
cinctus 671
Olor 300
americanus 301
buccinator 301
matthewi 301
palæocygnus 301
paloregonus 301
Omnivora 752
omnivorus (Phenacodus) 605
Omomys 924, 926, 927
ameghini 926
ameghinoi 926

Page

Omomys—*Continued*
carteri 926
minutus 926
pucillus 926
pusillus 926
uintensis 924
vagus 926
vespertinus 926
Omorhamphus 283
storchii 283
Omosauridæ 235
Omosaurus 234
armatus 234
Omphalosauria 129
Omphalosauridæ 129
Omphalosauroidea 129
Omphalosaurus 129
nevadanus 129
Onchodectes 398
onchognathus (Baptosaurus) 264
Ondatra 900
annectens 901
nebrascensis 901
oregona 901
zibetheca 901
zibethicus 901
onerosus (Adocus) 90
Onocratali 289
Ontocetus 598
emmonsi 598
oxymycterus 598
Onychodectes 398
rarus 398
tisonensis 398
Onychodectidæ 398
Onychodectini 398
Onychomys 892
bensoni 892
pedroënsis 892
ramona 892
torridus 892
Onychopus 16
gigas 16
onza (Felis) 553
Oodectes 486
herpestoides 486
proximus 486
pugnax 486
Ophiacodon 49, 52
mirus 49
Ophiacodontidæ 49
Ophideiurus 37
Ophidia 265
Ophidii 265
Ophiodeirus 37
casei 37
Ophrosaurus 121
pauciporus 121
ophryas (Brontotherium) 722
ophryas (Miobasileus) 722
Ophthalmosauridæ 127
Ophthalmosaurus 127
discus 127
marshi 127
natans 128
reedi 128

Page

Ophthalmosaurus—*Continued*
robustus 128
opisthaca (Protoselene) 608
opisthacus (Mioclænus) *608*
opisthacus (Protoselene) *608*
Opisthias 135
rarus 135
Opisthocœla *188*
Opisthocœlia *188*
opisthomelas (Puffinus) 288
opisthotoma (Sinopa) 477
Opisthotomus *604*
astutus *605*
flagrans *605*
Opistias *135*
optatus (Tomarctus) 510
Oracodon 381
anceps 381
conulus 381
orarius (Anancus) 632
orcina (Delphinapterus) 594
orcotti (Blastomeryx) *818*
orcutti (Canis) 500
ordinatus (Ectocynodon) 43
ordinatus (Hypertragulus) *811*
ordinatus (Nanotragulus) 811
ordinatus (Pariotichus) *43*
Oreamnos 840
americanus 841
montanus *841*
Oreamnus *840*
montanus *840*
Oreas *838, 839*
oregona (Ondatra) 901
oregonense (Aceratherium) *745*
oregonense (Diceratherium) 745
oregonense (Mammut) 630
oregonense (Orycterotherium) *413*
oregonensis (Aphelops) *745*
oregonensis (Cynodictis) 491
oregonensis (Desmatognathus) *557*
oregonensis (Desmatophoca) 557
oregonensis (Enhydrocyon) 507
oregonensis (Felis) 553
oregonensis (Felix) *553*
oregonensis (Galecynus) *491*
oregonensis (Indarctos) *522*
oregonensis (Indarctus) 522
oregonensis (Lophiodon) *663, 726*
oregonensis (Moropus) 663
oregonensis (Ogmophis) 268
oregonensis (Oreodontoides) 781
oregonensis (Pteranodon) 163
oregonensis (Rhinoceros) *745*
oregonensis (Stylemys) 101
oregoniana (Sinclairia) 407
oregonus (Bassariscus) 516
oregonus (Fiber) *901*
oregonus (Larus) 341
Oreocyon *471*
Oreodon *779*
affinis *780*
bullatus *782*
coloradensis *780*
culbertsoni *780*
culbertsonii *780*

Page

Oreodon—*Continued*
gracilis *780*
hybridus *781*
macrorhinus *781*
major *782*
periculorum *780*
robustum *781*
Oreodontes *779*
Oreodontidæ *776, 779*
Oreodontinæ *779*
Oreodontini 776
oreodontis (Hoplophoneus) 544
Oreodontoides *779*, 781, *782*
oregonensis 781
Oreolagus 866
nevadensis 866
Oreonetes 755
anceps 755
Oreortyx 327
picta 327
orientalis (Elasmosaurus) 118
orientalis (Teleopternus) 809
orientalis (Thomomys) 878
orioensis (Castoroides) *888*
Orlitia *79*
bornensis *79*
ornata (Anosteira) 93
ornata (Compsemys) *70*
ornata (Exocampe) 12
ornatus (Anchiceratops) 226
ornatus (Glutops) *70*
ornatus (Glyptops) *70, 89*
ornatus (Peritresius) 80
ornatus (Tylosteus) 239
Ornithichnites *1*
culbertsoni *4*
danæ *21*
fuliculoides *4*
gallinuloides *4*
gigantea *11*
gracillimus *4*
tetradactylus *20*
Ornithischia *201*
Ornithocephalidæ 161
Ornithocephaliformes 160
Ornithocephalinæ 161
Ornithocephalus *159*, 161
Ornithocheiridæ *161*
Ornithocheirinæ *162*
Ornithocheiroidea *161*
Ornithoides 16
adamsi 16
trifidus 16
Ornithoidichnites *1*
dananus *3*
Ornitholestes *185*
hermani *186*
hermanni *186*
Ornithomimidæ 181
Ornithomiminæ *181*
Ornithomimipus 16
angustus 16
Ornithomimus *16*, 177, 182
affinis 181
altus 182
grandis *180*, 183

	Page
Ornithomimus—*Continued*	
minutus	183
mirandus	*177*
sedens	183
tenuis	183
velox	183
Ornithopappi	*276*
Ornithopoda	*202, 231*
Ornithopodidæ	*203*
Ornithopoidea	*203*
Ornithopus	*20*
gallinaceus	*20*
gracilior	*20*
Ornithosauri	*159*
Ornithosauria	*159*
Ornithoscelida	*165*
Ornithostoma	*162*
ingens	*163*
Ornithostomatidæ	*161*
Ornithotarsus	216
immanis	216
Ornithura	*277*
Ornithuræ	*277*
Ornyctia	*348*
Orohippus	670
agilis	670
angustidens	*668*
atavus	671
ballardi	671
cinctus	671
cuspidatus	*668, 669*
major	671
osbornianus	671
procyoninus	671
progressus	671
pumilis	671
sylvaticus	671
tapirinus	*669*
typicus	671
uintanus	671
Oromeryx	811
plicatus	811
Oronetes	*755*
Orophosaurus	121
pauciporus	121
Orortyx	*327*
picta	*327*
Orotherium	*668, 670*
cristonense	*668*
index	*669*
lœvi	*668*
uintanum	*671*
vintanum	*671*
orphryas (Brontotherium)	722
Ortalis	324
phengites	324
Orthodactylus	5, 16
flexiloquus	*5*
floriferus	16
introvergens	17
linearis	17
orthodon (Palæoctonus)	172
Orthogenysuchus	156
olsoni	156
orthognathus (Lepus)	863
Orthopoda	201

	Page
orthopygia (Testudo)	104
orthopygia (Xerobates)	*104*
orthostica (Mephitis)	533
orthostichus (Mephitis)	*533*
orthrostica (Mephitis)	*533*
Ortyx	*326*
picta	*326*
Orycterocetus	597
cornutidens	597
crocodilinus	*597*
mediatlanticus	597
quadratidens	597
Orycterotherium	*413*
oregonense	*413*
Oryctomys	*877*
bottæ	*878*
Oryzomys	894
natator	894
palustris	894
osageii (Tetracaulodon)	*625*
osborni (Arctosaurus)	172
osborni (Diploceras)	*716*
osborni (Dolichorhynchops)	*117*
osborni (Eotitanotherium)	716
osborni (Gomphotherium)	637
osborni (Hypohippus)	679
osborni (Ischyrosmilus)	546
osborni (Malthacolestes)	374
osborni (Merycodus)	831
osborni (Notharctus)	923
osborni (Pliohippus)	698
osborni (Saurolophus)	217
osborni (Tetrabelodon)	*637*
osborni (Trigonias)	740
osborni (Trilophodon)	*637*
osborni (Trinacromerum)	117
osborniana (Testudo)	104
osbornianum (Ectocion)	606
osbornianum (Ectocyon)	*606*
osbornianum (Hyracotherium)	*671*
osbornianus (Orohippus)	671
osbornii (Creccoides)	334
osbornii (Crecoides)	*334*
osceola (Cariacus)	*821*
osceola (Odocoileus)	821
Oscines	*354*
osmonti (Bothrolabis)	*768*
osmonti (Perchœrus)	768
osmonti (Shastasaurus)	126
osmonti (Thinohyus)	*768*
Osmotherium	532
spelæum	532
ossifraga (Pachyæna)	468
ossifragus (Chasmaporthetes)	539
ossifragus (Dinocyon)	512
ossifragus (Mesonyx)	*468*
Osteopera	*913*
platycephala	*913*
Osteopygis	76
borealis	76
chelydrinus	76
emarginatus	76
erosus	76
gibbi	76
platylomus	76
ponderosus	*76*

Page

Osteopygis—*Continued*
repandus ... *76*
robustus ... 76
sopitus ... 76
Ostodolepis ... *44*, 45
brevispinatus ... 45
Otaria ... *557*, *558*
Otariadæ ... *557*
Otariæ ... *557*
Otariidæ ... 557
otariidens (Hemiganus) ... *399*
otariidens (Wortmania) ... 399
Otocœlidæ ... *30*, *33*
Otocoris ... 354
alpestris ... 354
Otocorys ... *354*
alpestris ... *354*
Otospermophilus ... 871
captus ... *872*
douglasii ... 871
fisheri ... 871
gidleyi ... 871
grammurus ... 871
Ototriton ... 250
anceps ... 250
solidus ... 250
Otouphepodidæ ... 2
Otouphepus ... 17
magnificus ... 17
minor ... 17
Otozoidæ ... 1
Otozorum ... *17*
Otozoum ... 17
caudatum ... 17
minus ... 17
moodii ... 17
parvum ... 17
Otus ... 349
asio ... 349
bendirei ... 349
wilsonianus ... *351*
ovatus (Phlaodectes) ... *486*
ovatus (Vulpavus) ... 486
overtoni (Ancylocentrum) ... 261
overtoni (Brachysaurus) ... *261*
Ovibos ... *809*, 844
appalachicolus ... 845
bombifrons ... *846*
cavifrons ... *846*, *847*
mackenzianus ... *846*
maximus ... *847*
moschatus ... 845
proximus ... 846
tyrelli ... *847*
yukonensis ... 846
Ovibovidæ ... *843*
Ovibovinæ ... 843
Ovibus ... *844*
Ovidæ ... *841*
Ovina ... *841*
Ovinæ ... 841
Ovis ... 841
canadensis ... 842
cervina ... *842*
dalli ... 843
mamillaris ... 843

Page

Ovis—*Continued*
montana ... *841*, *842*
montanus ... *841*
scaphoceras ... 843
ovoidactylus (Thenaropus) ... 22
oweni (Hyposaurus) ... 147
oweni (Melanodon) ... 374
oweni (Testudo) ... 101
Oxyacodon ... 602
agapetillus ... 602
apiculatus ... 603
Oxyæna ... 470
æquidens ... 471
forcipata ... 471
gulo ... 471
huerfanensis ... *471*
lupina ... 471
morsitans ... *471*
pardalis ... 471
transiens ... 471
Oxyænidæ ... 470
Oxyæninæ ... 470
Oxyænini ... *470*
Oxyænodon ... 474
dipodus ... *475*
dysclerus ... 475
dysodus ... 475
dyssodus ... *475*
Oxyænoidæ ... 470
Oxyclænidæ ... 459
Oxyclænus ... 460
cuspidatus ... 460
simplex ... 460
Oxydactylus ... 795
brachyceps ... *795*, *796*
brachyodontus ... 795
campestris ... 796
gibbi ... 796
longipes ... 796
longirostris ... 796
lulli ... 796
Oxyechus ... 336
vociferus ... 336
oxymycterus (Ontocetus) ... 598
oxyrhinus (Lestosaurus) ... *260*
oxyrhinus (Platecarpus) ... 260
oxysternum (Adocus) ... *90*
oxysternum (Agomphus) ... 90
oxysternum (Amphiemys) ... *90*
ozarkaensis (Blarina) ... 442
ozarkensis (Neotoma) ... 896
Ozotheca ... *93*
paca (Agouti) ... *913*
paca (Cœlogenys) ... *913*
paca (Cuniculus) ... 913
Pachyæna ... 467
gigantea ... 467
gracilis ... 468
intermedia ... *468*
ossifraga ... 468
ponderosa ... 468
pachycephalum (Potamotherium) ... *526*
pachycephalus (Brachypsalis) ... 526
Pachycyon ... *496*
robustus ... *500*
pachydactylus (Thenaropus) ... 22

	Page
Pachyglossa	245
Pachygnathus	66
borealis	66
pachylomus (Emys)	95
pachyodon (Hyænognathus)	509
pachyops (Anchippus)	688
pachyops (Hypohippus)	688
pachyops (Merychippus)	688
pachyops (Protohippus)	688
Pachypoda	165
Pachypodes	166
Pachypodosauria	167
Pachypodosauroidea	168
pachypodus (Amblyopus)	2
pachypus (Bathyopsis)	615
pachypus (Coryphodon)	615
Paciculus	911
insolitus	911
lockingtonianus	911
pacifica (Pliopedia)	558
pacifum (Aceratherium)	745
pacifum (Diceratherium)	745
pacifus (Antrozous)	455
pacifus (Bison)	852
pacificus (Bubo)	350
pacificus (Cænopus)	745
pacificus (Eporeodon)	782
pacificus (Equus)	707
pacificus (Nothosaurus)	126
pacificus (Shastasaurus)	126
packardi (Choneziphius)	583
padanicus (Thlæodon)	391
Pæbrotherium	793
Pagomys	564
hispida	564
Pagophilias	563
grœnlendica	563
Pagophilus	563
grœnlandicus	563
Pagophoca	563, 564
grœndlandica	563, 564
paladentatum (Gomphotherium)	637
paladentatum (Trilophodon)	637
Palæacodon	450, 926
vagus	926
verus	450
Palæanodon	422
ignavus	422
parvulus	422
Palæanodonta	421
Palæarctomys	868
macrorhinus	868
montanus	868
vetus	868
Palæarctonyx	487
meadi	487
palæatlanticus (Balæna)	573
palæatlanticus (Rhegnopsis)	573
Palæchthon	928
minor	928
Palæictops	431
bicuspis	431
Paleoboa	268
crassa	268
Palæobonasa	325
wyomingensis	325

	Page
Palæoborus	313
umbrosus	313
Palæocastor	882, 884
fossor	883
gradatus	883
magnus	884
nebrascensis	884
pansus	883
peninsulatus	883
Palæochenoides	291
miocænus	291
mioceanus	291
Palæochœrus	768
pristinus	768
socialis	769
subæquans	769
trichænus	769
Palæocrex	335
fax	335
Palæoctenus	171
Palæoctonus	171
appalachianus	171
aulacodus	172
dumblianus	171
orthodon	172
palæocygnus (Olor)	301
Palæognathæ	280
Palæogyps	312
prodromus	312
Palæohippidæ	666
Palæolagus	865
agapetillus	865
brachyodon	865
haydeni	865
intermedius	865
leporinus	865
nevadensis	866
temnodon	866
triplex	866
turgidus	866
Palæolestes	428, 431
puercensis	428, 431
Palæomerycidæ	815
Palæomerycinæ	815
Palæomeryx	815
americanus	816
antilopinus	819
borealis	819
madisonius	820
teres	816
trilateralis	816
Palæonictidæ	470
Palæonictidini	470
Palæonictis	472
americanus	473
occidentalis	473
Palæonyctis	473
Palæonornis	359
struthionoides	359
Palæonycteris	456
paleocenus	456
Palæophasianus	328
meleagroides	328
Palæophidæ	267
Palæophinæ	267
Palæophis	267

	Page
Palæophis—*Continued*	
grandis	267
halidanus	267
littoralis	267
Palæopithecinæ	*924*
Palæopithecini	*924*
Palæopterygii	141
Palæopus	17
regularis	17
Palæorhinus	141
bransoni	141
parvus	141
scolopax	142
Palæoryctes	428
puercensis	428
Palæosaniwa	252
canadensis	252
Palæosauropus	*7*, 17
antiquior	17
primævus	17
sydnensis	*7*
unguifer	*20*
Palæosaurus	*138, 145, 168, 169*
fraserianus	*172*
sulcatus	*145*
Palæoscincus	236
asper	236
costatus	237
latus	237
magoder	237
rugosus	*237*
Palæoshyops	*712*
Palæosinopa	425
didelphoides	425
lutreola	426
veterrima	426
Palæospiza	359
bella	359
hatcheri	359
Palæospizidæ	359
Palæostruthus	359
hatcheri	359
Palæosyopidæ	*711*
Palæosyopinæ	*711*
Palæosyops	712
agenus	*713*
brownianus	*712*
copei	712
diaconus	*713*
fontinalis	712
grangeri	712
humilis	712
junior	713
lævidens	713
laticeps	*713*
leidyi	713
longirostris	713
maior	*713*
major	713
manteoceras	*715*
paludosus	713
robustus	*713*
ultimus	713
vallidens	*714*
Palæotetrix	326
gilli	*326*

	Page
Palæotetrix—*Continued*	
gillii	326
Palæotheca	96
polycypha	96
terrestris	96
Palæotheka	*96*
Palæotherium	*673*
bairdi	*673*
giganteum	*719*
Palæotringa	338
littoralis	338
vagans	338
vetus	338
Palamopus	*12*, 18
anomalus	18
clarki	*12*
clarkii	*12*
divaricans	18
gracilipes	18
palmatus	18
rogersi	*18*
rogersianus	18
palatina (Ochotona)	*859*
palatinum (Praotherium)	859
Palauchenia	808
californica	*803*
magna	808
paleocenus (Palæonycteris)	*456*
paleocenus (Zanycteris)	456
Paleophis	*267*
Paleopithecini	*924*
Paleopus	*17*
regularis	*17*
Paleorhinus	*141*
Paleosauropus	*17*
primevus	*17*
Paleosaurus	*145*
fraserianus	*172*
sulcatus	*145*
uniformis	*47*
Palæoscincus	236
asper	236
pallescens (Thomomys)	878
pallidicinctus (Cupidonia)	*826*
palidicinctus (Tympanuchus)	325
pallidus (Antrozous)	455
palmaria (Vulpes)	503
palmatus (Barypodus)	7
palmatus (Palamopus)	18
palmeri (Næmorhedus)	840
palmeri (Nemorhœdus)	*840*
palmeri (Notharctus)	*449*
palmeri (Parietobalæna)	572
palmipes (Shepardia)	20
palmoria (Vulpes)	*503*
paloccidentalis (Ardea)	295
paloregonus (Cygnus)	301
paloregonus (Olor)	*301*
paludicola (Poatrephes)	790
paludis (Limnoscelis)	44
paludosa (Hoplochelys)	92
paludosus (Palæosyops)	713
palustris (Lepus)	864
palustris (Limnolagus)	*865*
palustris (Oryzomys)	894
palustris (Sylvilagus)	864

	Page
palustris (Vulpavus)	*485*
Pandion	320
carolinensis	321
haliaëtus	321
Pandiones	*320*
Pandionidæ	*320*
Pandioninæ	320
pandius (Helodectes)	*42*
paniense (Hipparion)	*685*
paniensis (Merychippus)	685
paniensis (Merychyus)	788
paniensis (Mylagaulus)	908
paniscus (Elephas)	*648*
Panolax	861
sanctæfidei	861
panolius (Parasciurus)	*875*
panolius (Sciurus)	875
Panoplosaurus	237
mirus	237
pansa (Testudo)	104
pansus (Chalicomys)	883
pansus (Palæocastor)	*883*
pansus (Steneofiber)	*883*
Pantodonta	613, 614
Pantolambda	612
bathmodon	613
cavirictus	613
Pantolambdidæ	*609*, 612
Pantolambdini	*612*
Pantolestes	426
elegans	426
intermedius	426
longicaudatus	*426*
longicaudus	426
longicundus	*426*
natans	426
nuptus	*756*
phocipes	426
secans	*757*
Pantolestidæ	425
Pantolestoidæ	425
Pantolestoidea	*425*
Pantosaurus	121
striatus	121
Pantotheria	371, *386*
Pantotheriidæ	*371*
Pantylidæ	44
Pantyliformes	44
Pantyloidea	*44*
Pantylosauria	*44*
Pantylus	44
brevispinatus	*45*
coicodus	44
cordatus	44
tryptychus	45
Parabaropus	18
coloradensis	18
Paracetus	*597*
Paracotylops	*782*, 783
superbus	*785*
Paradaphænus	506
cuspigerus	506
transversus	506
Paradaphœnus	*506*
paradoxicus (Protoreodon)	778
Paradoxodon	461
Paradoxodon—*Continued*	
rütimeyeranus	461
paradoxus (Hyrachyus)	734
Parahippus	680, *685*, *688*
agrestis	681
atavus	682
australis	681
avus	681
brevidens	681
cognatus	681
coloradensis	681
crenidens	681
integer	682
leonensis	682
minimus	682
minutalis	682
mourningi	682
nebrascensis	682
nebraskensis	*682*
parvulus	*688*
pawniensis	682
penultimus	682
perditus	*681*
præcurrens	681
primus	682
pristinus	682
taxus	682
texanus	682
tyleri	682
ultimus	683
Parahyus	762
aberrans	762
vagus	762
Paralabis	*795*
matthewi	*795*
Paralces	*826*
parallelus (Anchisauripus)	3
parallelus (Grallator)	*3*
Parameryx	812
lævis	812
proavus	*812*
sulcatus	812
Paramyida	*902*
Paramyidæ	902
Paramylodon	*411*
nebrascensis	*413*
Paramys	902
atwateri	902
bicuspis	*902*
buccatus	902
compressidens	*903*
copei	902
delicatior	902
delicatissimus	*903*
delicatus	902
excavatus	903
grangeri	903
hians	903
leptodus	903
major	903
medius	903
murinus	903
nitidus	*909*
parvidens	*904*
petersoni	*903*
primævus	*902*

	Page
Paramys—*Continued*	
quadratus	903
robustus	*903*
sciuroides	903
superbus	903
uintensis	903
undans	*909*
Parapavo	329
californicus	329
Paraphelops	748
rooksensis	748
Parapsida	*124, 240*
Parasaniwa	252
obtusa	252
wyomingensis	252
Parasaurolophus	219
walkeri	219
Parasauromalus	246
olsenii	246
Parassaurus	*121*
striatus	*121*
Parascalops	438
breweri	438
Parasciurus	*874*
ballovianus	*904*
calycinus	*874*
jeffersoni	*906*
panolius	*875*
relictus	*904*
vortmanii	*904*
Parasuchi	*140*
Parasuchia	*136, 137, 138, 140*
Parasuchoidea	*138*
Parataxidea	*535*
nevadensis	*535*
Paratheria	*401*
Paratylopus	796
cameloides	797
primævus	797
sternbergi	797
wortmani	797
Paraxonia	*752*
pardalis (Oxyæna)	471
Pareiasauri	37
Pareiasauria	*37*
Pareiosauridæ	*38*
Pareiasaurinæ	*38*
Pareiasauriiformes	37
Pareiasauroidea	*37*
Pareiasaurus	38
henneni	39
Pareiosauria	*37, 38*
Pareiosauridæ	*38*
Pareiosaurus	*38*
Parelephas	*41*
jeffersonii	*644, 646*
progressus	*644*
Pareumys	892
milleri	892
Pariasauria	*37, 38*
Pariasauridæ	*38*
Pariasaurus	*37, 38, 39*
Parictis	526
primævus	526
Parictops	432

	Page
Parictops—*Continued*	
multicuspis	432
paridens (Helodectes)	42
Paridigitata	*751*
paridigitatum (Argozoum)	*6*
Parieasaurus	*38*
Parietobalæma	572
palmeri	572
parigonus (Merychyus)	*788*
pariogonus (Merychyus)	788
Pariosauria	*38*
Pariosaurus	*38*
Pariotichidæ	42
Pariotichus	*39*, 42
aduncus	*39*
aguti	*40*
angusticeps	*40*
brachyops	42
incicivus	*40*
incisivorus	*41*
incisivus	*41*
isolomus	*40*
laticeps	42
megalops	*43*
ordinatus	*43*
Pariotychidæ	*42*
Parisectolophus	727
latidens	727
Paroligobunis	525
simplicidens	525
Paromomys	929
depressidens	929
maturus	929
Paronychodon	385
lacustris	385
Paroreodon	781
marshi	781
parva (Compsemys)	*89*
parva (Crucipes)	10
parvidens (Geomys)	879
parvidens (Ischyromys)	891
parvidens (Paramys)	*904*
parvidens (Sciuravus)	*904*
parviloba (Martes)	*527*
parviloba (Mustela)	527
parviloba (Plionictis)	527
parvitecta (Chelonia)	82
parvitectus (Puppigerus)	*82*
parvivorus (Miacis)	485
parvivorus (Vulpavus)	*485*
parvulus (Merychippus)	*688*
parvulus (Palæanodon)	422
parvulus (Parahippus)	*688*
parvulus (Protohippus)	688
parvulus (Uintasorex)	446
parvum (Cetotherium)	573
parvum (Cheirotherium)	*9*
parvum (Chirotherium)	9
parvum (Ectocion)	606
parvum (Elachoceras)	620
parvum (Otozoum)	17
parvus (Bassariscus)	516
parvus (Botauroides)	295
parvus (Cimolodon)	*381*
parvus (Cimolomys)	381

Page

parvus (Colymbus) 286
parvus (Compsemys) 89
parvus (Crocodylus) 154
parvus (Crucipes) *10*
parvus (Diplolophus) *880*
parvus (Diprionomys) 881
parvus (Dromillopus) 11
parvus (Dromomeryx) 820
parvus (Ectocion) *606*
parvus (Elosaurus) 193
parvus (Eporeodon) 783
parvus (Epihippus) 672
parvus (Eutypomus) 882
parvus (Felis) 555
parvus (Grus) *332*
parvus (Harpagosaurus) 256
parvus (Heliscomys) 880
parvus (Heterotitanops) 713
parvus (Lynx) 555
parvus (Moropus) 663
parvus (Peromyscus) 894
parvus (Protoreodon) 778
parvus (Tillomys) *904*, 904
Pasachusia *140*
Passalacodon *426*
litoralis *426*
littoralis *426*
Passeres *353*
Passeridæ *354*
Passeriformes 353
Passerinæ 353
Passeroideæ *354*
Passeroidei *353*
paterculus (Cynodictis) 491
paterculus (Galicynus) *491*
Patriofelis 471
biscuspis *472*
coloradensis *473*
ferox 472
latidens 472
leidyanum *472*
tigrina 472
tigrinus *472*
ulta 472, *473*
vorax *472*
patritus (Phasmagyps) 312
patrius (Archædelphis) 578
patruus (Merychippus) 686
paucidens (Ceratops) 224
paucidens (Deinictis) 542
paucidens (Dinictis) *542*
paucidens (Hadrosaurus) *224*
paucidens (Hyænodon) 480
paucidens (Saniwa) 252
paucidens (Thinosaurus) *252*
paucidens (Trachodon) *224*
paucidens (Trigonias) 740
paucidus (Ceratops) *224*
pauciporus (Ophrosaurus) *121*
pauciporus (Orophosaurus) 121
paulus (Hyopsodus) 444, 756
Paurodon 371
valens 371
Paurodontidæ 371
Paurodontinæ *371*

Page

Pauromys 894
perditus 894
Pavo *329*
californicus *329*
pawneensis (Xestops) 255
pawniensis (Parahippus) 682
pawniensis (Ursavus) 518
Pecari 775
Pecora *815*, *833*, *837*
pectinatus (Equus) 708
pectinatus (Neohippus) *708*
pectoralis (Adocus) *90*
pectoralis (Agomphus) 90
Pedimana *389*
Pediocætes *326*
lucasi *326*
lucasii *326*
nanus *326*
phasianellus *326*
Pediocetes *326*
columbianus *326*
nanus *326*
phasianellus *326*
Pediœcetes 326
columbianus 326
lucasi 326
lucasii *326*
nanus 326
phasianellus 326
Pediohyus *770*
ferus *770*
Pediomyinæ 390
Pediomys 390
elegans 390
hatcheri 390
pedroensis (Onychomys) 892
pedunculatus (Clepsydrops) 53
peiganus (Dysganus) 216
Pelagii *339*
Pelarganax *20*
tetradactylus *20*
Pelargides *21*
danæ *21*
pelagius (Squalodon) 581
Pelargiformes *293*
Pelargo-Herodii *293*
Pelargomorphæ *293*
Pelargornithes *293*
Pelecani *289*
Pelecanidæ 289
Pelecanides *289*
Pelecaniformes 289
Pelecaninæ *289*
Pelecanoidæ 289
Pelecanoidea *289*
Pelecanus 290
erythrorhynchos 290
erythrorhynchus *290*
Pelicanus *290*
Pelicopsis 374
dubius 374
Pelidna 337
alpina 337
Pelomedusidæ *74*
Pelonax 763

	Page
Pelonax—*Continued*	
bathrodon	763
potens	763
ramosus	763
Pelopatides	*297*
peloreus (Pneumatoarthrus)	216
Pelorosaurus	*193*
peltoceras (Menodus)	*722*
Peltosaurus	254
abbotti	254
granulosus	254
piger	255
pelvidens (Chriacus)	461
Pelycictis	533
lobulatus	533
Pelycodus	*449, 450*, 920
angulatus	*449*
frugivorus	921
jarrovi	*921*
jarrovii	921
jarrowi	*921*
mentalis	*444*
nuniensis	*923*
nunienum	*923*
nunienus	*923*
ralstoni	921
trigonodus	921
tutus	921
venticolus	*924*
Pelycorhamphus	583
pertortus	584
Pelycosauria	*46, 51, 52*
Pelycosimia	*139*
Penelopinæ	324
penicillatus (Carbo)	*292*
penicillatus (Phalacrocorax)	292
periculorum (Oreodon)	*780*
peninsulæ (Blarina)	442
peninsulatum (Hipparion)	694
peninsulatum (Hippotherium)	*694*
peninsulatum (Neohipparion)	*694*
peninsulatus (Castor)	*883*
peninsulatus (Chalicomys)	883
peninsulatus (Palæocastor)	*883*
peninsulatus (Steneofiber)	*883*
pennanti (Martes)	527
pennanti (Mustela)	*527*
pennata (Amyda)	931
pennatus (Trionyx)	*931*
pennsylvanica (Neotoma)	896
pennsylvanicus (Canis)	*502*
pennsylvanicus (Clepsisaurus)	*172*
pennsylvanicus (Clepsosaurus)	*172*
pennsylvanicus (Clepsysaurus)	172
pennsylvanicus (Dicotyles)	*774*
pennsylvanicus (Microtus)	898
pennsylvanicus (Mus)	*898*
pennsylvanicus (Mylohyus)	774
pennsylvanicus (Tayassu)	*774*
pennsylvanicus (Vulpes)	*502, 503*
Pentaceratops	230
sternbergii	230
Pentacodon	425
inversus	425
pentacus (Protogonodon)	463
pentadactylus (Collettosaurus)	9
pentagonus (Diclonius)	*211*
pentagonus (Trachodon)	211
penultimus (Archæohippus)	*682*
penultimus (Parahippus)	682
Peraceras	*747*, 748
malacorhinus	*747*
planiceps	*747*
superciliosus	748
troxelli	748
Peradectes	393
elegans	393
peragrans (Testudo)	104
Peralestidæ	*371*
perangulatus (Diclonius)	*211*
perangulatus (Hadrosaurus)	*211*
perangulatus (Trachodon)	211
Peratherium	392, *394*
alternans	393
comstocki	393
fugax	393
huntii	393
innominatum	393
marginale	393
marsupium	393
merriami	393
pygmæum	393
scalare	393
titanelix	393
tricuspe	393
perbullatus (Eporeodon)	782
Perchœrus	768
antiquus	768
lentus	768
minor	768
nanus	768
osmonti	768
platyops	*768*
pristinus	768
probus	768
robustus	769
rostratus	769
socialis	769
subæquans	769
trichænus	769
percrassa (Clemmys)	94
percussor (Temnocyon)	506
perdicida (Spilogale)	*534*
Perdicidæ	327
perditus (Equus)	*689*
perditus (Merychippus)	*688*
perditus (Pauromys)	894
perditus (Protohippus)	*686*, 688, 689
peregrinus (Falco)	322
pergracilis (Chirostenotes)	186
periboletes (Elephas)	*648*
periculorum (Merycoidodon)	780
periculorum (Oreodon)	*780*
periculosus (Daphœnodon)	508
Pericyon	493
socialis	493
Peridiomys	880
rusticus	880
Periptychidæ	609
Periptychiformes	609

	Page
Periptychinæ	610
Periptychus	*604*, 610
carinidens	610
coarctatus	610
fissus	610
rhabdodon	610
Perissodactyla	663
Perissonychidæ	*660*
Peristeromorphæ	*344*
Peritresius	80
ornatus	80
perlatus (Tylosaurus)	259
pernix (Aletornis)	332
pernix (Eohippus)	669
pernix (Kentriodon)	588
pernix (Pliohippus)	698
pernix (Protohippus)	*698*, *699*
Perodipus	881
agilis	881
Perognathus	880
armatus	880
californicus	880
Peromyscus	893
americanus	*893*
antiquus	893
boylii	893
brachygnathus	893
canadensis	*894*
gambeli	*893*
gambelii	893
gracilis	894
imperfectus	893
leucopus	893
loxodon	893
maniculatus	894
minimus	894
nematodon	894
parvus	894
Perostia	66
Perotherium	*393*
perrini (Delphinosaurus)	126
perrini (Shastasaurus)	*126*
perrini (Thalattosaurus)	241
perrugosa (Brachychampsa)	158
perrugosus (Bottosaurus)	*158*
persimilis (Geomys)	879
persimilis (Pseudemys)	97
persistens (Cænopus)	792
personatus (Sorex)	441
perspicillata (Anas)	*308*
perspicillata (Melanita)	*308*
perspicillata (Œdemia)	*308*
perspicillata (Oidemia)	308
perspicillatus (Phalacrocorax)	293
pertenuis (Testudo)	104
pertinax (Hypohippus)	680
pertortus (Pelycorhamphus)	584
pervetus (Presbyornis)	339
pervicax (Glyptops)	70
petaliferus (Glyptodon)	420
Petauristidæ	*875*
petersoni (Diceratherium)	745
petersoni (Ectoconodon)	*391*
petersoni (Eotrigonias)	739
petersoni (Gomphotherium)	638
petersoni (Hyracodon)	736
petersoni (Ischyrotomus)	903
petersoni (Mesatirhinus)	716
petersoni (Microdontosaurus)	*127*
petersoni (Moropus)	663
petersoni (Paramys)	*903*
petersoni (Protylopus)	793
petersoni (Serridentinus)	*638*
petersoni (Ticholeptus)	790
petrinus (Chonespondylus)	*125*
petrinus (Cymbospondylus)	125
Petrochelidon	355
lunifrons	355
petrolei (Emys)	97
petrolei (Trachemys)	97
petrosus (Agomphus)	91
Phænacodus	*604*
Phænicopterus	*298*
Phalacocorax	*292*
Phalacrocoracidæ	292
Phalacrocorax	292
idahensis	292
idahoënsis	*292*
macropus	292
marinavis	292
mediterraneus	292
penicillatus	292
perspicillatus	293
vagans	*338*
Phalarodon	124
fraasi	124
Phalaropodidæ	*338*
Phalaropus	*338*
lobatus	*339*
Phascolestes	*372*
priscus	*373*
vorax	*373*
Phascolodon	370
gidleyi	370
Phascolotheriidæ	*370*
Phascolotheriinæ	*370*
phaseolinus (Diadectes)	34
phasianellus (Pediocætes)	*325*
phasianellus (Pediocetes)	*325*
phasianellus (Pediœcetes)	325
Phasiani	*324*
Phasianidæ	327
Phasianinæ	328
Phasianus	*323*, 328
alfhildæ	328
americanus	328
mioceanus	328
Phasmagyps	312
patritus	312
Phenacocœlus	789
munroënsis	789
typus	789
Phenacodidæ	*602*
Phenacodon	*604*
Phenacodontidæ	602
Phenacodus	604
astutus	605
brachypternus	605
copei	605
flagrans	605

Page

Phenacodus—*Continued*
hemiconus 605
intermedius 605
macropternus *753*
nunienus* 605
omnivorus *605*
primævus 605
puercensis *603*
resartus *605*
robustus 606
sulcatus 606
trilobatus *605*
vortmani *606*
wortmani 606
Phenacolemur 446
citatus 446
præcox 446
Phenacops 433
incerta 433
phengites (Ortalis) 324
Phenicopterus *298*
philadelphia (Chroicocephalus) 340
philadelphia (Larus) *340*
philadelphia (Sterna) *340*
Philohela *332*
gracilis *332*
Philothrax *507*
Philotrox 507
condoni 508
coudoni *508*
phippsi (Gomphotherium) 638
phippsi (Trilophodon) *638*
Phlaocyon 514
leucosteus 514
willistoni 514
Phlaodectes *486*
ovatus *486*
phlegon (Equus) *694*
phlegon (Hipparion) 694
phlegon (Merychippus) *694*
phlegon (Nannipus) *694*
phlegon (Protohippus) *694*
Phobosuchus 156
hatcheri 156
Phoca 562, *565*
barbata *565*
cristata *562*
greenlandica *563*
grœndlandica *563*
grœnlandica 563
hispida 564
modesta 564
proboscidea *562*
vitulina 564
wymani 564
Phocadæ *561*
Phocæna 586, 589
leucas *594*
occidua 589
Phocidæ 561
Phocina *561*
Phocinæ 562
Phocini *561*
phocipes (Pantolestes) 426
Phocodon *579*
holmesii *579*

Page

Phocodontia *568*
Phœnicopteri *297*
Phœnicopteridæ 297
Phœnicopteriformes *297*
Phœnicopteroidæ 297
Phœnicopteroidea *297*
Phœnicopteroideæ *297*
Phœnicopterus 297
copei 298
Pholaocyon *514*
leucosteus *514*
Pholidata 25
Pholidosauridæ 147
Phrynonax *269*
Phrynosoma 247
Phyllostomatidæ *456*
Phyllostomidæ 456
Phyllostomoidæ 456
phymatodes (Ziphiopsis) *583*
physaloides (Balænodon) 598
physaloides (Hoplocetus) *598*
physalus (Balæoptera) *576*
Physeter 598
carolinensis *598*
catodon 599
macrocephalus *599*
vetus *597*, 599
Physeteridæ *576*, 596
Physeterina *596*
Physeterinæ *596*
Physeterini *596*
Physeteroidea *579*
Physeterula *597*
neolassicus *597*
Phytophagi 203
Phytosauria *140*
Phytosauridæ *135*, 141
Phytosauriformes 140
Phytosaurinæ *141*
Phytosauromorphi 137
Phytosaurus 142, *143*
biacros *144*
buceros *144*, *145*
carolinensis *145*
doughtyi 142
ganei *144*
leaii 142, *145*
lepturus 142
manhattanensis *145*
priscus *145*
rostratus *145*
scolopax 142
serridens *145*
superciliosus 142
validus 142, *145*
Picariæ *352*
Pici *352*
Picidæ 352
Piciformes 352
Picinæ *352*
Picoidæ 352
Picrodus 385
silberlingi 385
picta (Oreortyx) 327
picta (Orortyx) *327*
picta (Ortyx) *327*

	Page
piger (Peltosaurus)	255
Pilosa	*403*
pilulatus (Anticheiropus)	5
pilulatus (Cheirotheroides)	8
pilulatus (Plesiornis)	19
pinckneyi (Hydrochœrus)	*915*
pinckneyi (Neochœrus)	915
pinensis (Desmathyus)	770
pineoi (Megapezia)	16
pinetorum (Microtus)	*900*
pinetorum (Pitymys)	900
pinetorum (Psammomys)	*900*
Pinguinus	343
impennis	343
Pinnigrada	*556*
Pinnipeda	*556*
Pinnipedi	*556*
Pinnipedia	555
Pipilo	358
Pipistrellus	454
anemophilus	455
Piptomerus	121
hexagonus	121
megaloporus	121
microporus	121
Piratosaurus	122
plicatus	122
piscinaria (Lutra)	538
piscinaxia (Lutra)	*538*
piscosus (Cymbospondylus)	125
Pithanotaria	558
starri	558
Pithecistes	*790*
breviceps	*790*
brevifacies	*790*
decedens	*790*
decidens	*790*
Pitymys	900
pinetorum	900
pix (Sylvaticus)	864
Placentalia	*396*
Placerias	63
hesternus	63
placidus (Merychippus)	*689*
placidus (Protohippus)	689
Placosauridæ	*254*
Placosaurus	248
Plagiaulacidæ	376
Plagiaulacinæ	*376*
Plagiaulacoidæ	376
Plagiaulacoidea	*375, 376*
Plagiaulax	377
Plagiomene	451
multicuspis	451
Plagiomenidæ	451
plainvillensis (Batrachichnus)	7
plainvillensis (Batrichites)	7
Planetetherium	608
mirabile	608
planiceps (Allomeryx)	813
planiceps (Aphelops)	747
planiceps (Hypertragulus)	*813*
planiceps (Hyracodon)	736
planiceps (Peraceras)	*747*
planidens (Mesohippus)	674
planifrons (Entoptychus)	877
planifrons (Lestosaurus)	*260*
planifrons (Metamynodon)	738
planifrons (Platecarpus)	260
planior (Cimoliasaurus)	*120*
planior (Discosaurus)	120
planirostris (Choneziphius)	583
Plantigrada	*488*
Plantigrades	*488*
planus (Ziphius)	583
Plastomenida	*106*
Plastomenidæ	106
Plastomenus	106
acupictus	106
catenatus	106
coalescens	*108*
communis	106
corrugatus	106
costatus	106
fractus	106
insignis	106
lachrymalis	106
leptomitus	106
molopinus	106
multifoveatus	*107*
œdemius	106
punctulatus	106
robustus	107
serialis	*112*
tantillus	107
thomasii	107
torrejonensis	107
trionychoides	*113*
visendus	107
Plataleidæ	298
Plataleoidæ	298
Platanista	*596*
Plataniste	*596*
Platanistidæ	596
Platanistinæ	596
Platecarpinæ	259
Platecarpus	259, 260, *261*
abruptus	*261*
brachycephalus	260
clidastoides	260
coryphæus	260
crassartus	260
curtirostris	260
felix	260
glandiferus	260
gracilis	260
ictericus	260
latifrons	260
latispinus	260
mudgei	260
oxyrhinus	260
planifrons	260
simus	260
tectulus	261
tortor	*263*
tympaniticus	261
Plateosauria	*168*
platicopis (Pogonodon)	*542*
Platigonus	*772*
leptorhinus	*772*
vetus	*773*
Platiniste	*596*

Page

platurus (Elasmosaurus) 118
platybrachys (Talpa) 438
Platycarpus 260
platycentrus (Dimetrodon) 56
platycephala (Osteopora) 913
platycephalum (Aceratherium) 742
platycephalus (Amphicænopus) 742
platycephalus (Cænopus) 742
platycephalus (Merycoidodon) 781
platyceps (Euhapsis) 885
platyceps (Limnenetes) 755
platyceras (Brontotherium) 722
platyceras (Titanotherium) 722
platycerus (Brontotherium) 722
platycopis (Deinictis) 542
platycopis (Dinictis) 542
platycopis (Nimravus) 542
platycopis (Pogonodon) 542
Platygonus 771, 772
alemanii 772
bicalcaratus 772
compressus 772
condoni 772
cumberlandensis 773
francisi 773
intermedius 773
leptorhinus 772
rex 773
setiger 773
striatus 773
tetragonus 773
texanus 773
vetus 773, 774
ziegleri 773
platylomus (Osteopygis) 76
platyops (Euclastes) 77
platyops (Hyotherium) 768
platyops (Lytoloma) 77
platyops (Perchœrus) 768
platyops (Rhetechelys) 77
Platypeltis 112
amnicola 112
antiqua 112
extensa 112
ferox 112
heteroglypha 112
leucopotamica 112
miocæna 112
postera 112
serialis 112
trepida 112
trionychoides 113
platyplastra (Baëna) 72
Platypterna 18
concamerata 18
deaniana 18
deanii 18
delicatula 18
digitigrada 18
gracillima 18
recta 19
tenuis 19
varica 18
platypus (Dipsalidictis) 474
platypus (Eubrontes) 12
Platyrhachis 250

Page

Platyrhachis—*Continued*
coloradensis 250
coloradoënsis 250
rhambastes 255
rambestes 255
unipedalis 255
platyrhinus (Œlurodon) 495
platyrhyncha (Anas) 305
platyrhynchos (Anas) 304
platyspondylus (Baptosaurus) 264
platystyle (Hipparion) 694
platyurus (Elasmosaurus) 118
Plautus 343
impennis 343
Plectropterna 19
angusta 19
elegans 19
gracilis 19
lineans 19
minitans 19
Plegadis 299
guarauna 299
Pleistogyps 313
rex 313
Plesiadapidæ 445
Plesiadapis 446
Plesiarctomys 902
buccatus 902
delicatior 902
sciuroides 903
Plesiocetopsis 572
megalophysum 572
Plesiocetus 572
megalophysum 572
Plesiochelys 70
belviderensis 70
Plesiometacarpalia 816, 820
Plesiornis 6, 19
æqualipes 6
giganteus 19
minimus 6
minor 4
mirabilis 19
pilulatus 19
quadrupes 4
Plesiosauri 113
Plesiosauria 113
Plesiosauridæ 115
Plesoisauriformes 114
Plesiosaurinæ 115
Plesiosaurus 115, 121
brevifemur 116
gouldii 116
gulo 116
lockwoodii 121
mexicanus 116
mudgei 116
occiduus 133
shirleyensis 116
vaccinsulensis 116
Plesiosoricini 440
Plesippus 699
proversus 699
simplicidens 699
Plestiodon 249
anthracinus 249

	Page
Pleuristion	40
brachycœlus	40
Pleurocœlidæ	*189*
Pleurocœlus	*193*
altus	*193*
montanus	*193*
nanus	*193*
Pleurocyon	486
magnus	486
medius	486
Pleurodeira	*74*
Pleurodira	*74*
Pleurodiræ	*74*
Pleurodiri	*74*
Pleurolicus	877
diplophysus	877
leptophrys	877
sulcifrons	877
Pleurospondylia	65
Pleurosternidæ	70, *71*
Pleurosterninæ	*70*
Pleurosternoidæ	69
Pleurosternum	*70*
pliacus (Ischyromys)	891
Pliauchenia	801
californicus	*803*
gigas	*803*
humphresiana	*802*
humphreysiana	802
humpresiana	*802*
major	*798*
media	*799*
merriami	802
minima	802
minor	*799*
singularis	802
spatula	802
vera	802
vulcanorum	802
plicatile (Hipparion)	694
plicatile (Hippotherium)	*694*
plicatile (Neohipparion)	*694*
plicatula (Compsemys)	*70*
plicatulus (Compsemys)	89
plicatulus (Glyptops)	70
plicatum (Mammut)	630
plicatus (Chirox)	*389*
plicatus (Mastodon)	*630*
plicatus (Oromeryx)	811
plicatus (Priatosaurus)	122
plicatus (Ptilodus)	380
plicatus (Tillomys)	905
plicodon (Helohyus)	761
Pliocyon	*507*, 508
amnicola	*511*
gidleyi	508
mæandrinus	*508*
marshi	*507*
meandrinus	508
medius	508
Pliogonodon	158
priscus	158
pliogryps (Aquila)	318
Pliohippus	696
coalingensis	696
cumminsii	696

	Page
Pliohippus—*Continued*	
edensis	696
fairbanksi	697
fossulatus	697
francescana	*697*
francescanus	697
gracilis	*677*
interpolatus	697
leidyanus	697
lullianus	697
minor	697
mirabilis	697
nobilis	697
osborni	698
pernix	698
proversus	*699*
robustus	698
simplicidens	*699*
spectans	698
supremus	698
tantalus	698
Pliolophus	*667*, *668*
cristonensis	*668*
montanus	*669*
Pliomastodon	*630*
matthewi	*630*
Plionarctos	518
edensis	518
Plionictis	527
glareæ	527
ogygia	527
parviloba	527
Pliopedia	558
pacifica	558
Pluviales	*335*
pluvianella (Limicolavis)	338
pneumaticus (Holops)	*150*
pneumaticus (Thoracosaurus)	150
Pneumatoarthrus	216
peloreus	216
Poamys	901
rivicola	901
Poatrephes	790
paludicola	790
Podekosaurus	*187*
Podiceps	*285*, *286*
auritus	*285*
californicus	*286*
nigricollis	*286*
occidentalis	*286*
podiceps (Podilymbus)	286
podiceps (Podylymbus)	*286*
Podicipedes	*284*
Podicipedidæ	*285*
Podicipedidiformes	*285*
Podicipediformes	*284*
Podicipes	*284*, *285*
auritus	*285*
griseigena	*285*
nigricollis	*286*
Podicipidæ	285
Podicipinæ	285
Podicipitiformes	*284*
Podicipoidea	*285*
Podilymbus	286
magnus	286

Page

Podilymbus—*Continued*
podiceps 286
Podokeosaurinæ *187*
Podokesauridæ 187
Podokesaurus 187
holyokensis 187
Podoplia 601
Podylymbus *286*
podiceps *286*
Poëbrotheriinæ 792
Poëbrotherinæ *792*
Poëbrotherium 793
andersoni 794
eximium 794
labiatum 794
sternbergi *797*
wilsoni 794
Poebrotherium *794*
wilsoni *794*
Pœciloglyptica 45
Pœcilospondylus 48
francisi 48
pogonias (Edaphosaurus) 58
pogonias (Naosaurus) *58*
Pogonodon 542
brachyops 542
cismontanus 542
davisi 542
platicopis *542*
platycopis *542*
serrulidens 542
Poicilopleuron *174*
valens *174*
pojoaquense (Gomphotherium) 638
pojoaquensis (Serridentinus) *638*
pojoaquensis (Trilophodon) *638*
poledrus (Hoplichnus) *14*
Polemarchus 19
gigas 19
polemarchius *19*
polemicus (Lembonax) 80
Poliosauria *46*
Poliosauridæ 47
Poliosauriformes 46
Poliosaurinæ *47*
Poliosaurus 47
uniformis 47
politus (Viverravus) 483
pollux (Catopsalis) *384*
Polponax *231*
mortuarius *231*
Polybori *321*
Polyboriidæ *321*
Polyborinæ 321
Polyborus 321
audubonii *321*
cheriway 321
tharus *321*
Polycodus *921*
ralstoni *921*
Polycotylidæ 116
Polycotylinæ *116*
Polycotylus 116
dolichopus 116
ischiadicus *118*

Page

Polycotylus—*Continued*
latipinnis 116
polycypha (Emys) *96*
polycypha (Palæotheca) 96
Polydectes 158
biturgidus 158
Polygonax *231*
mortuarius *231*
Polygonodon 264
rectus 264
vetus 264
Polymastodon 383
attenuatus 383
fissidens 384
filiatus *384*
latimollis 384
selenodus 384
tabensis *384*
taoënse *384*
taoënsis 384
Polymastodontidæ 383
Polymastodontinæ *383*
polyodon (Allognathosuchus) 155
polyodon (Crocodilus) *155*
polyodon (Crocodylus) *155*
polyodon (Diplocynodus) *155*
Polyonax *227*, 231
mortuarius 231
polyphemus (Gopherus) 101
polyphemus (Testudo) *101*
polyphemus (Xerobates) *101*
polyporum (Balænoptera) 575
polyporum (Cetotherium) *575*
Polyprotodonta *389*
Polyprotodontia 388
Polyptychodon *116*
mexicanus *116*
Polysticta 308
stelleri 308
Polythorax 73
missuriensis 73
polyzelus (Anchisaurus) *169*
polyzelus (Megadactylus) *169*
polyzelus (Thecodontosaurus) 169
Pomatodelphis 591
inæqualis 591
Pomatotherium *526*, *536*
pachycephalus *526*
ponderosa (Baëna) *92*
ponderosa (Catapleura) 76
ponderosa (Pachyæna) 468
ponderosus (Osteopygis) *76*
Pongidæ 930
Pongoidæ 930
Pontobasileus 571
tuberculatus 571
Pontoleon *558*
magnus *558*
Pontolis 558
magnus 558
Pontoporia *587*, *593*
popoagicum (Lamdotherium) 711
Poposaurus 172
gracilis 172
porcatus (Agabelus) 589

	Page
porcinus (Ictops)	430
porcinus (Nanohyus)	*430*
porrectus (Naocephalus)	256
portentus (Mesohippus)	674
Porthochelys	87
browni	87
laticeps	87
Porthocyon	*509*
dubius	*509*
matthewi	*509*
pugnator	*509*
postera (Platypeltis)	112
posticus (Heptodon)	724
Postpubici	*202*
Potamotherium	536
lacota	536
lycopotamicum	*536*
pachycephalum	*526*
robustum	*536*
potens (Ammodon)	*765*
potens (Creosaurus)	*178*
potens (Ctenacodon)	*378*
potens (Dryptosaurus)	178
potens (Limnocyon)	474
potens (Pelonax)	765
potens (Protostega)	78
potens (Psalodon)	378
powellianus (Hyopsodus)	*444*
præcedens (Gopherus)	101
præclarus (Basilemys)	88
præcocidens (Mesohippus)	674
præcox (Phenacolemur)	446
præcurrens (Parahippus)	681
præcursor (Dibelodon)	*638*
præcursor (Gomphotherium)	638
præcursor (Mammut)	*638*
præcursor (Mastodon)	*637*
præcursor (Serridentinus)	*638*
præcursor (Tetrabelodon)	*638*
præcursor (Trilophodon)	*637*
prædator (Euoplocyon)	507
Prædentata	*202*
præextans (Testudo)	104
prænuntius (Dissacus)	467
Præovibos	*846*
moschatus	*846*
Præpubici	*167*
præstans (Anchitherium)	*678*
præstans (Kalobatippus)	*678*
præstans (Mesohippus)	*678*
præstans (Miohippus)	678
præstans (Telacodon)	396
Praotherium	859
palatinum	859
pratensis (Manteoceras)	715
pratensis (Megalornis)	*332*
pratincola (Aluco)	*348*
pratincola (Strix)	*348*
pratincola (Tito)	*349*
pratincola (Tyto)	348
pravus (Adocus)	90
precampestre (Gomphotherium)	638
precampestre (Tetralophodon)	*638*
precedens (Coniophis)	271
precopei (Trigonias)	740
Predentata	*201*
prehensilis (Procamelus)	799
prenasalis (Caimanoidea)	158
prenasalis (Crocodilus)	*158*
prenasalis (Crocodylus)	*158*
Prendentia	*247*
prentici (Gallinuloides)	*332*
prentici (Grus)	332
preoccidentalis (Trigonias)	740
Preptoceras	843
mayfieldi	844
sinclairi	844
Presbyornis	339
pervetus	339
Presbyornithidæ	339
pressicornis (Eobasileus)	620
pressicornis (Loxolophodon)	*620*
Pressirostres	*335*
pretenus (Didymictis)	*483*
Priacodon	370
ferox	370
grandævus	370
lulli	370
robustus	370
Priconodon	236
crassus	236
primævum (Lambdotherium)	711
primævus (Boreodon)	*380*
primævus (Homogalax)	726
primævus (Hoplophoneus)	545
primævus (Leptarctus)	535
primævus (Machairodus)	*545*
primævus (Megencephalon)	538
primævus (Miolabis)	*797*
primævus (Oligosimus)	*121*
primævus (Palæosauropus)	17
primævus (Paramys)	*902*
primævus (Paratylopus)	797
primævus (Parictis)	526
primævus (Phenacodus)	605
primævus (Ptilodus)	380
primævus (Sauropus)	*17, 18*
primævus (Systemodon)	*726*
primævus (Titanoides)	613
Primates	915
primevus (Paleosauropus)	*17*
primigenius (Bos)	*852*
primigenius (Elephas)	643
primigenius (Lepus)	833
primigenius (Mammonteus)	*648*
primitivus (Megacerops)	721
primogenius (Elephas)	*643, 645, 648*
primordialis (Elephas)	*650*
primus (Blastomeryx)	819
primus (Didymictis)	*482*
primus (Leptarctus)	535
primus (Merychippus)	685
primus (Miohippus)	677
primus (Parahippus)	682
princeps (Eotitanops)	712
princeps (Equus)	708
princeps (Glyptosaurus)	254
princeps (Hipparion)	*708*
princeps (Hippotherium)	*708*
princeps (Hyrachyus)	734

	Page
princeps (Lagomys)	*860*
princeps (Lepus)	*860*
princeps (Mosasaurus)	262
princeps (Neohipparion)	*708*
princeps (Ochotona)	860
princeps (Ochotora)	*860*
princeps (Uintatherium)	619
princetonianus (Protolabis)	801
Prionosaurus	257
regularis	257
pririger (Macrasaurus)	*259*
prisca (Amyda)	111
prisca (Balæna)	*572*
prisca (Laopteryx)	*277*
priscidens (Hyracodon)	*736*
prisciformis (Helagras)	271
Priscodelphinus	*590*, 592
conradi	*590*
crassangulum	*591*
crassirostis	*591*
gabbii	589
grandævus	592
harlani	592
harlini	*592*
lacertosus	592
ruschenbergeri	*594*
spinosus	*590*
stenus	592
uræus	592
priscolatrans (Canis)	500
priscum (Lambdotherium)	711
priscum (Meniscotherium)	607
priscum (Nyctitherium)	434
priscus (Alticamelus)	800
priscus (Ambloctonus)	473
priscus (Belodon)	*145*
priscus (Bison)	*849*
priscus (Dryolestes)	373
priscus (Ereptodon)	411
priscus (Haplocanthosaurus)	192
priscus (Haplocanthus)	*192*
priscus (Homacodon)	754
priscus (Hyrachyus)	734
priscus (Laopteryx)	277
priscus (Limnohyops)	713
priscus (Loxolophus)	460
priscus (Megalonyx)	*311*
priscus (Phascolestes)	*373*
priscus (Phytosaurus)	*145*
priscus (Pliogonodon)	158
priscus (Procyon)	515
priscus (Protochriacus)	*460*
priscus (Siphonocetus)	572
priscus (Telmatornis)	334
priscus (Trionyx)	*111*
prismaticus (Protochœrus)	*772*
pristina (Brachyprotoma)	532
pristina (Fontinalis)	359
pristina (Lutra)	538
pristinum (Arctotherium)	423
pristinus (Arctodus)	523
pristinus (Bothrolabis)	*768*
pristinus (Brachypsalis)	*538*
pristinus (Chamæleo)	*248*
pristinus (Chamæleon)	*248*

	Page
pristinus (Chameleo)	*248*
pristinus (Larus)	341
pristinus (Mylagaulus)	908
pristinus (Palæochœrus)	*768*
pristinus (Parahippus)	682
pristinus (Perchœrus)	768
pristinus (Pseudopalatus)	143
pristinus (Thinohyus)	*768*
pristinus (Tinosaurus)	248
prjedalskii (Equus)	*703*
Proamphicyon	*504*
nebrascensis	*505*
proavitus (Nautilornis)	344
proavitus (Subhyracodon)	*743*
proavus (Gomphotherium)	638
proavus (Grus)	332
proavus (Leptotragulus)	812
proavus (Mammut)	*638*
proavus (Mastodon)	*638*
proavus (Miomastodon)	*638*
proavus (Rhynchotherium)	*638*
proavus (Trilophodon)	*638*
proavus (Tetrabelodon)	*638*
Probaëna	71
sculpta	71
Probassariscus	*516*
antiquus	*516*
Probocidæ	*622*
Proboscidea	620
proboscidea (Cystophora)	*562*
proboscidea (Phoca)	*562*
Proboscidia	*621*
Proboscidiæ	*621*
probus (Perchœrus)	768
Procamelas	*797*, *800*
Procamelus	797, *800*
altus	*800*
angustidens	*801*
benedentatus	797
castilli	737
coconinensis	798
concerptus	798
edensis	798
elrodi	798
fissidens	*801*
gracilis	798
granilis	*798*
heterodontus	*801*
inæquidens	798
lacustris	798
leptognathus	798
longurio	798
madisonius	798
major	798, *803*
medius	*799*
minimus	798
minor	798
montanus	*801*
occidentalis	799
prehensilis	*799*
raki	798
robustus	799
virginiensis	*805*
procax (Toxochelys)	87
Procellaria	*288*

	Page
Procellaridæ	*287*
Procellariidæ	288
Procellariiformes	287
Procellariinæ	288
Procellarioidæ	287
Procellaroidea	*287*
Proceratinæ	*813*
Proceratops	*223*
montanus	*224*
procerus (Alticamelus)	800
procerus (Ursus)	519
Procheneosaurus	217
Prochonias	*75*
sulcatus	*75*
Procion	*514*
Procolophon	*36*
Procolophonidæ	36
Procolpochelys	80
grandæva	80
Procreodi	*459*
procuspidatus (Colodon)	726
Procynidæ	*513*
Procynodictis	490
vulpiceps	490
Procyon	514
elucus	*515*
lotor	515
priscus	515
psora	515
simus	515
sinus	*515*
Procyonidæ	513
Procyonina	*513*
Procyoninæ	513
procyoninum (Heliotherium)	*671*
procyoninum (Helotherium)	*671*
procyoninus (Orohippus)	671
Procyonodictis	490
vulpiceps	490
Prodaphænus	*484*
canavus	*486*
promicrodon	*485*
robustus	*485*
scotti	*484*
uintensis	*485*
prodromus (Palæogyps)	312
productum (Gomphotherium)	638
productum (Mammut)	*638*
productus (Bunolophodon)	*638*
productus (Mastodon)	*638*
productus (Serridentinus)	*638*
productus (Tetrabelodon)	*638*
productus (Trilophodon)	*638*
Proëbrotherium	*794*
profectum (Aceratherium)	*748*
profectus (Aphelops)	747
profectus (Leptotragulus)	812
profectus (Merychyus)	*788*
profectus (Meteoreodon)	*788*
profectus (Metoreodon)	788
profectus (Parameryx)	*812*
profectus (Protohippus)	689
profectus (Vulpavus)	487
profundus (Champsosaurus)	133
Proganosauria	*240*

	Page
progenium (Mammut)	*630*
Proglires	445
progressum (Lambdotherium)	711
progressus (Anancus)	632
progressus (Elephas)	644
progressus (Mastodon)	*632*
progressus (Orohippus)	671
Prohyracodon	735
uintensis	*735*
Proictinia	314
effera	314
gilmorei	314
Prolimnocyon	473
antiquus	473
atavus	473
robustus	473
Promerycochœrus	783
carrikeri	784
chelydra	784
curvidens	784
grandis	784
gregoryi	784
hatcheri	784
hollandi	784
inflatus	784
latidens	784
leidyi	784
lulli	784
macrostegus	784
marshi	784
microcephalus	784
minor	784
montanus	784
obliquidens	785
pygmæus	785
pygmyus	*785*
superbus	785
temporalis	*785*
thomsoni	785
vantasselensis	785
promicrodon (Prodaphænus)	*485*
promicrodon (Uintacyon)	*485*
promicrodon (Vassacyon)	485
Promioclænus	*608*
acolytus	*608*
lemuroides	*608*
promptus (Symbos)	847
Promystriosuchus	144
ehlersi	144
Pronomotherium	786
altiramis	*786*
altiramum	786
californicum	*785*
laticeps	786
madisonium	786
siouense	786
Pronothodectes	445
matthewi	445
Pronothrotherium	406
Propalæosinopa	425
albertensis	425
didelphoides	425
proparvulus (Merychippus)	686
prophylæus (Lembonax)	80
propinqua (Branta)	302

	Page
propinquus (Mercyhippus)	684
propinquus (Mesohippus)	674
Propleura	*76*
borealis	*76*
erosa	*76*
repandus	*76*
sopita	*76*
Propleuridæ	*75*
Propleurinæ	*75*
proprius (Merycochœrus)	786
propylæus (Lembonax)	80
propython (Clidastes)	263
proriger (Leidon)	*259*
proriger (Liodon)	*259*
proriger (Nectoportheus)	*259*
proriger (Tylosaurus)	259
prorops (Belemnoziphius)	583
prorops (Dioplodon)	585
prorops (Mesoplodon)	*583, 585*
Prorosmarus	559
alleni	559
Proroziphius	583, *585*
chonops	583, *585*
macrops	583, *585*
prorsus (Triceratops)	229
Prosaurolophus	216
maximus	217
Proscalops	436
miocænus	436
secundus	436
Prosciurus	904
ballovianus	904
jeffersoni	904
relictus	904
robustus	904
vestustus	904
wortmani	904
Prosimia	*918*
Prosimiæ	*918*
Prosimii	*918*
Prosinopa	924
eximia	924
Prostenops	*771*
Prosthennops	770, *931*
crassigenis	771
crassigens	*771*
edensis	771
haroldcookii	771
longirostris	771
serus	771
xiphidonticus	771
Prosthenops	*771*
crassigenis	*771*
serus	*771*
Protagras	271
lacustris	271
Protagriochœrus	776
annectens	776
Protapirinæ	*727*
protapirinus (Homogalax)	726
protapirinus (Systemodon)	*726*
Protapirus	728
obliquidens	729
robustus	729
simplex	729
Protapirus—*Continued*	
validus	729
Protelotherium	*761*
uintense	*762*
Protemnocyon	*504*
inflatus	*505*
Protentomodon	435
ursirivalis	435
protenus (Didymictis)	482
protenus (Viverravus)	*482*
Proteosauridæ	128
Proteosaurus	128, 129
Proterix	434
loomisi	434
Proterosauri	*136, 240*
Proterosauria	*136, 240*
proterus (Rhinoceros)	*750*
proterus (Teleoceras)	750
proterva (Cynorca)	770, *775*
protervus (Squalodon)	770
proteulophus (Mesohippus)	674
Protheria	*307*
Prothippus	*688*
Prothyracodon	734
intermedium	*735*
obliquidens	735
uintense	*735*
Prothyracodontidæ	734
Protitanotherium	715
emarginatum	715
superbum	715
Protoceras	813
celer	814
comptus	814
nastus	*814*
nasutus	814
Protoceratidæ	813
Protoceratinæ	*813*
Protoceratini	*813*
Protochœrus	*772*
prismaticus	*772*
Protochriacus	*460*
attenuatus	*460*
hyattianus	*460*
simplex	*460*
Protodonta	307
Protodonti	*307*
Protodontia	*307*
Protogaulus	*905*
hippodus	*905*
Protogonia	*603*
puercensis	*603*
subquadratus	*603*
protogonioides (Clænodon)	464
Protogonodon	462
pentacus	463
puercensis	*603*
stenognathus	463
subquadratus	*603*
Protohippinæ	*666, 680*
Protohippus	687, *696*
avus	*681*
castelli	*688*
castillei	*688*
castilli	688
castilloi	*688*

	Page
Protohippus—*Continued*	
coalingensis	*696*
cumminsii	*696*
fossulatus	*697*
gracilis	*677*
insignis	*685*
interpolatus	*697*
lenticularis	*693*
medius	*684*
minutus	*694*
mirabilis	*697*
niobrarensis	688
pachyops	688
parvulus	688
perditus	*686*, 688, 689
pernix	*698*, *699*
phlegon	*694*
placidus	689
profectus	689
proplacidus	689
retrusus	689
robustus	*698*
secundus	689
sejunctus	*685*, *686*
simus	689
sinus	*689*
spectans	*698*
supremus	*698*
tehonensis	689
Protolabididæ	*791*
Protolabinæ	*791*
Protolabis	*796*, 800
angustidens	801
fissidens	801
francisi	801
heterodontus	801
inæquidens	*798*
longiceps	801
montanus	801
occidentalis	*799*
princetonianus	801
pusillus	801
saxeus	801
serus	801
transmontanus	*796*
Protolabos	*801*
Protolambda	611
bathmodon	*613*
hatcheri	611
Protolambdidæ	*611*
Protomeryx	794
cameloides	*797*
campester	795
cedrensis	795
halli	795
leonardi	795
serus	*801*
sternbergii	*797*
Protomyidæ	*890*
Protopsalis	*471*
tigrina	*472*
Protoptychidæ	*876*
Protoptychinæ	910
Protoptychus	910
hatcheri	911

	Page
Protoreodon	778
medius	778
minor	778
paradoxicus	778
parvus	778
pumilis	778
Protoreodontidæ	*778*
Protoreodontinæ	778
Protorohippus	*667*, *670*
venticolus	*669*, *670*
Protorosauri	*240*
Protorosauria	*240*
Protosauridæ	*240*
Protorosaurus	*223*
belli	*223*
Protoselene	608
opisthaca	608
opisthacus	*608*
Protosorex	440
crassus	440
Protosphargidæ	*78*
Protostega	78
advena	78
copei	78
gigas	78
marshii	*79*
neptunia	*78*
potens	78
tuberosa	*78*
Protostegidæ	78
Protosteginæ	78
Protheria	*367*
Prototheria	367
Prototomus	*450*, *476*
hians	*476*
multicuspis	*477*
secondarius	*477*
strenuus	*477*
viverinus	*477*
Protungulata	*601*
Protylopus	793
annectens	793
petersoni	793
prouti (Menodus)	*719*
prouti (Titanotherium)	*719*
proutii (Menodus)	719
proutii (Palæotherium)	*719*
proutii (Titanotherium)	*719*
proversus (Equus)	*699*
proversus (Plesippus)	699
proversus (Pliohippus)	*699*
Proviverra	478
americana	478
Proviverridæ	*475*
Proviverrinæ	*475*
Proviverrini	*475*
proximus (Mylagaulus)	908
proximus (Oödectes)	486
proximus (Ovibos)	846
Psalisauria	*231*
Psalisauridæ	*207*
Psalodon	378
fortis	378
potens	378
Psammomys	*900*

	Page
Psammomys—*Continued*	
pinetorum	*900*
Psarocolius	358
gubernator	358
Psephophoridæ	*68*
Psephophorus	69
calvertensis	69
Pseudælurus	*549*
intrepidus	*549*
marshi	*550*
sinclairi	*550*
pseudarctos (Thryptacodon)	462
Pseudemys	97
cælata	97
extincta	97
floridana	97
persimilis	97
Pseudobradypus	20
unguifer	20
Pseudocreodi	*470*
Pseudocynodictis	*490*
gregarius	*490*
lippincottianus	*491*
Pseudogryphus	*311, 312*
californianus	*312*
Pseudohipparion	*688*
retrusum	*688*
Pseudolabis	795
dakotensis	795
matthewi	795
Pseudolobis	*795*
dakotensis	*795*
Pseudopalatus	143
pristinus	143
Pseudopterodon	481
minutus	481
Pseudostoma	*879*
bursaria	*879*
floridana	*879*
Pseudosuchia	*138*
Pseudotomus	*903*
hians	*903*
robustus	*903*
superbus	*903*
Psittaci	*346*
Psittacidæ	346
Psittaciformes	346
Psittacinæ	*346*
Psittacomorphæ	*346*
Psittacotherium	399
multifragum	399
psoras (Procyon)	515
Pteranodon	162
comptus	162
ingens	163
longiceps	163
nanus	*164*
occidentalis	163
oregonensis	163
velox	163
Pteranodontes	*161*
Pteranodontia	*161*
Pteranodontidæ	161
Pteranodontinæ	162
Pterobalæna	*575*

	Page
Pterodactyli	*159, 160*
Pterodactylia	*159, 160*
Pterodactylidæ	*161*
Pterodactyloidea	*159, 160*
Pterodactylus	*161*
occidentalis	*163*
Pterodon	*480*, 481
grandis	481
minutus	*481*
Pteromyinæ	875, *905*
Pteromys	*875*
Pteropappi	*281*
Pteropelyx	*211*, 216
altidens	*211*
grallipes	216
marginatus	*214*
selwyni	*212*
Pteropodii	*453*
Pteroptochidæ	354
Pterosauri	159
Pterosauria	*159, 160*
Pterosaurii	*159*
Pterosphenus	267
schucherti	267
Ptilodontidæ	378
Ptilodus	379
admirabilis	380
formosus	380
gracilis	*380, 381*
mediævus	380
mediavus	*380*
montanus	380
plicatus	380
primævus	380
serratus	380
trouessartianus	*380*
trovessartianus	380
pucillus (Hemiacodon)	*926*
pucillus (Homacodon)	754
pucillus (Omomys)	926
puercensis (Aspideretes)	109
puercensis (Champsosaurus)	133
puercensis (Compsemys)	89
puercensis (Diacodon)	431
puercensis (Euprotogonia)	*603*
puercensis (Palæolestes)	*428, 431*
puercensis (Palæoryctes)	428
puercensis (Phenacodus)	*603*
puercensis (Protogonia)	*603*
puercensis (Protogonodon)	*603*
puercensis (Scoliomus)	489
puercensis (Tetraclænodon)	603
Puercosaurus	43
obtusidens	43
Puffineæ	*288*
Puffinidæ	288
Puffininæ	288
Puffinus	288
conradi	288
diatomaticus	288
opisthomelas	288
pugnator (Ælurodon)	*509*
pugnator (Hyænognathus)	509
pugnator (Porthocyon)	*509*
pugnax (Notharctus)	923

	Page
pugnax (Oödectes)	486
pugnax (Tinoceras)	619
pugnax (Uintacyon)	486
pugnax (Uintatherium)	619
pulcher (Centetodon)	435
pulchra (Baëna)	73
pulchra (Boremys)	73
puma (Felis)	552
pumilum (Aceratherium)	742
pumilis (Allacodon)	378
pumilis (Clidastes)	263
pumilis (Eomeryx)	778
pumilis (Graculavus)	293
pumilis (Helohippus)	671
pumilis (Lophiodon)	671
pumilis (Orohippus)	671
pumilis (Protoreodon)	778
pumilus (Clidastes)	263
punctatus (Adocus)	90
punctatus (Isodectes)	32
punctidens (Nyssodon)	300
punctiger (Trionyx)	112
punctulatus (Plastomenus)	106
punctulatus (Tuditanus)	32
pungens (Mixodectes)	448
pungens (Sinopa)	477
pungens (Stypolophus)	477
Puppigerus	80, 81
grandævus	80
parvitectus	82
Pusa	564
hispida	564
pusilla (Echmatemys)	95
pusilla (Gavia)	284
pusillus (Omomys)	926
pusillus (Thylacodon)	396
putida (Chincha)	533
putida (Mephitis)	533
putmanni (Terrapene)	99
putnami (Terrapene)	99
Putoriinæ	525
Putorius	528, 529
arizonensis	528
cicognani	528
cicognanii	528
erminea	529
ermineus	529
erminius	529
gracilis	528
nambianus	530
noveboracensis	529
vison	529
putorius (Mephitis)	534
putorius (Spilogale)	524
putorius (Viverra)	534
pygmæa (Didelphis)	393
pygmæa (Didelphys)	393
pygmæa (Peratherium)	393
pygmæum (Anthracotherium)	759
pygmæus (Agorophius)	579
pygmæus (Doryodon)	579
pygmæus (Elephas)	648
pygmæus (Hemiacodon)	927
pygmæus (Promerycochœrus)	785
pygmæus (Sarcolemur)	756
pygmæus (Zeuglodon)	579
pygmyus (Promerycochœrus)	785
Pygopodes	284
Pygopoformes	285
Python	267
Pythonidæ	268
Pythoninæ	268
Pythonomorpha	257
Pythonomorphi	258
Pythonomorphia	257
Pythonomorphidæ	257
quadrata (Testudo)	104
quadratidens (Orycterocetus)	597
quadratus (Alethesaurus)	255
quadratus (Dromillopus)	11
quadratus (Hadrianus)	100
quadratus (Nanopus)	11
quadratus (Paramys)	903
quadricuspis (Sphenomeryx)	755
quadricuspis (Stibarus)	753
quadricuspus (Leptochœrus)	753
quadrifidus (Dromillopus)	11
quadrifidus (Dromopus)	11
quadriplicatum (Subhyracodon)	735
quadriplicatus (Anchisodon)	735
Quadrumana	916, 930
quadrupedans (Hoplichnus)	14
quadrupes (Plesiornis)	4
quartus (Merychippus)	635
quartus (Miohippus)	677
Querquedula	304, 306
cyanoptera	306
discors	306
floridana	306
quinquepedale (Diacium)	256
quintus (Merychippus)	685
quivirensis (Triisodon)	465
radians (Bathmodon)	616
radians (Coryphodon)	616
radulina (Anosteira)	93
radulus (Amyda)	111
radulus (Trionyx)	111
raki (Procamelus)	798
Ralli	333
Rallidæ	333
Rallides	333
Ralliformes	333
Rallinæ	334
Rallioidea	333
Ralloidea	333
Rallus	333, 334
virginianus	334
ralstonense (Ectocion)	606
ralstoni (Pelycodus)	921
ramona (Onychomys)	892
ramosum (Brontotherium)	723
ramosum (Elotherium)	765
ramosus (Cosoryx)	832
ramosus (Merycodus)	832
ramosus (Pelonax)	765
ramulosus (Merycodus)	832
Rangifer	823
arcticos	824
arcticus	824
caboti	824

Page

Rangifer—*Continued*
caribou ... 823, *825*
caribu ... *824*
grœnlandicus ... 825
muscatinensis ... 825
tarandus ... *824*, *825*
Rapaces ... *310*
rapax (Sinopa) ... 477
rapax (Stypolophus) ... *477*
rapax (Tylosaurus) ... 259
rapidens (Bolosaurus) ... *35*
rapidens (Chilonyx) ... 35
rapiens (Thescelus) ... 73
Raptatores ... *310*, *313*
raptor (Bassaris) ... *516*
raptor (Bassariscus) ... 516
Raptores ... *310*, *313*
rara (Cimolopteryx) ... *359*
rarus (Allacodon) ... 378
rarus (Cimolopteryx) ... 359
rarus (Hyopsodus) ... *757*
rarus (Menacodon) ... *371*
rarus (Onychodectes) ... 398
rarus (Opisthias) ... 135
rarus (Stenacodon) ... 751
rarus (Tapiravus) ... 729
Rasores ... *324*
Ratitæ ... 280
raymondi (Edaphosaurus) ... 59
raymondi (Naosaurus) ... *59*
recta (Platypterna) ... 19
rectidens (Gomphotherium) ... 638
rectidens (Hipparion) ... 694
rectidens (Hippotherium) ... *694*
rectidens (Neohipparion) ... *694*
rectidens (Rhynchotherium) ... *638*
rectiformis (Dimetrodon) ... *55*
rectus (Polygonodon) ... 264
recurvicornis (Ceratops) ... *223*
recurvicornis (Monoclonius) ... 222
recurvicornis (Triceratops) ... *223*
Recurvirostra ... 338
americana ... 338
Recurvirostridæ ... 338
Recurvirostrinæ ... *338*
recurvus (Belemnoziphius) ... 585
redfieldianum (Argozoum) ... *6*
redfieldianus (Argoides) ... 6
redfieldii (Argoides) ... *6*
redfieldii (Berycynthia) ... *6*
redfieldii (Ornithichnites) ... *6*
reedi (Baptanodon) ... *128*
reedi (Cœlosuchus) ... 147
reedi (Eotylopus) ... 793
reedii (Murænosaurus) ... 120
reflexum (Dinoceras) ... *619*
reflexum (Uintatherium) ... 619
regalis (Edmontosaurus) ... 213
regalis (Hesperornis) ... 279
regens (Barornis) ... 284
regens (Diatryma) ... *284*
regius (Bison) ... 852
regularis (Palæopus) ... 17
regularis (Paleopus) ... *17*
regularis (Prionosaurus) ... 257

Page

reinheimeri (Amphicyon) ... 511
reiteri (Chirotherium) ... 9
Reithrodon ... *892*
megalodon ... *892*
longicauda ... *892*
Reithrodontomys ... 892
longicauda ... 892
megalotis ... 892
simplicidens ... 892
Reithroparamys ... 903
delicatissimus ... 903
relictum (Hipparion) ... *686*
relictum (Hippotherium) ... *686*
relictum (Neohipparion) ... *686*
relictus (Eporeodon) ... 782
relictus (Merychippus) ... 686
relictus (Merychyus) ... *788*
relictus (Meteoreodon) ... *788*
relictus (Metoreodon) ... 788
relictus (Notharctus) ... 923
relictus (Parasciurus) ... *904*
relictus (Pelycodus) ... *923*
relictus (Prosciurus) ... 904
relictus (Sciurus) ... *904*
relictus (Stylonus) ... *686*
renidens (Mylodon) ... 414
repanda (Catapleura) ... 76
repanda (Propleura) ... 76
repandus (Coryphodon) ... 616
repandus (Osteopygis) ... *76*
repiens (Thescelus) ... *73*
Reptilia ... 23
republicanum (Gomphotherium) ... 639
republicanus (Merychippus) ... 686
republicanus (Serridentinus) ... *639*
resartus (Eohippus) ... 669
resartus (Phenacodus) ... *605*
Rethechelys ... *77*
reticulatus (Glyptodon) ... 420
retroversa (Theropleura) ... 50
retrusum (Hipparion) ... *686*
retrusum (Hippotherium) ... *689*
retrusum (Neohipparion) ... *689*
retrusum (Pseudohipparion) ... *689*
retrusus (Protohippus) ... 689
retusa (Cimolopteryx) ... *359*
retusus (Cimolopteryx) ... 359
rex (Clidastes) ... *263*
rex (Megalneusaurus) ... 120
rex (Metamynodon) ... 738
rex (Nanosaurus) ... 204
rex (Platygonus) ... 773
rex (Pleistogyps) ... *313*
rex (Telmatornis) ... 334
rex (Tetonius) ... 929
rex (Tyrannosaurus) ... 180
rhabdodon (Catathlæus) ... *610*
Rhabdobunus ... *633*
mirificus ... *633*
rhabdodon (Periptychus) ... 610
Rhabdopelix ... 164
longispinis ... 164
Rhabdosteus ... 590
latiradix ... 590
Rhadinorhinus ... 717
abbotti ... 717

	Page
Rhadinorhinus—*Continued*	
diploconus	717
rhambastes (Cremastosaurus)	255
rhambastes (Platyrhachis)	*255*
rhambestes (Platyrhachis)	*255*
Rhamphorhynchoidea	*159*
Rhegnopsis	573
palæatlanticus	573
Rheithrodon	*892*
Rhetechelys	77
platyops	77
Rhineüra	250
coloradoënsis	250
hatcheri	*250*
hatcherii	250
Rhineura	*250*
Rhinoceridæ	*738*
Rhinocerinæ	*738*
rhinocerinus (Eotrigonias)	739
Rhinoceros	*738*
crassus	*747*
fossiger	*749*
hesperius	*744*
longipes	*747*, 749
matutinus	*747*
meridianus	*747*
nebrascensis	*736*
occidentalis	*741*
oregonensis	*745*
proterus	*750*
Rhinocerosinæ	*739*
Rhinocerotidæ	*732*, 738
Rhinocerotinæ	*738*
Rhinocerotini	*739*
Rhinocerotoida	*732*
Rhinocerotoidæ	732
Rhinocerotoidea	*732*
rhinocerus (Ceratogaulus)	908
Rhinosaurus	*259*
micromus	*259*
Rhiptoglossa	*247*
Rhiptoglossi	*247*
Rhizoprion	*580*
rhoadsi (Lutra)	*538*
rhoadsii (Lutra)	538
rhynchæus (Geolabis)	439
Rhynchocephala	*131*
Rhynchocephali	*131*
Rhynchocephalia	130
Rhynchorostrinæ	*623*
Rhynchotherium	*634*
anguirivale	*639*
brevidens	*635*
edensis	*631*
euhypodon	*636*
falconeri	*636*
rectidens	*638*
shepardi	*639*
Rhynchosuchidæ	*148*
Rhyncocephalia	*131*
Rhynocerotidæ	738
Rhytidiodon	*145*
carolinensis	*145*
Rhytidodon	*145*
carolinensis	*145*
rostratus	*145*

	Page
Rhytina	*657*
borealis	*657*
gigas	*657*
stelleri	*657*
Rhytine	*657*
stelleri	*658*
Rhytinidæ	*657*
Rhytinodon	*145*
Rhytiodon	*145*
carolinensis	*145*
Rhytitodon	*145*
richardsoni (Microtus)	898
richmondi (Meleagris)	330
riggsi (Megacerops)	721
riparia (Arvicola)	*898*
riparia (Baëna)	72
riparius (Anchippodus)	855
riparius (Blastomeryx)	819
riparius (Dyseomeryx)	*819*
riparius (Limnocyon)	474
riparius (Metarhinus)	717
riparius (Telmatocyon)	*474*
rivalis (Echmatemys)	95
riverans (Canis)	*500*
rivicola (Poamys)	901
rivipacis (Glyptodon)	420
riviveronis (Canis)	500
robinsoni (Archeria)	45
robusta (Stenogale)	*536*
robustior (Hipposyus)	*923*
robustior (Notharctus)	923
robustior (Oligobunis)	*525*
robustum (Archæotherium)	*764*
robustum (Borocyon)	*512*
robustum (Brontops)	*721*
robustum (Brontotherium)	*721*
robustum (Menotherium)	*752*
robustum (Oreodon)	*781*
robustum (Potamotherium)	*536*
robustum (Titanotherium)	*721*
robustum (Uintatherium)	619
robustus (Achænodon)	762
robustus (Agostopus)	2
robustus (Argoides)	6
robustus (Baptanodon)	*128*
robustus (Borocyon)	512
robustus (Brontops)	*721*
robustus (Brontotherium)	*721*
robustus (Camarasaurus)	191
robustus (Canis)	500
robustus (Daphænus)	*505*
robustus (Daphœnus)	505
robustus (Diacodexis)	757
robustus (Dipriodon)	384
robustus (Eohyus)	604
robustus (Hadrianus)	100
robustus (Hoplophoneus)	545
robustus (Hydrochœrus)	915
robustus (Ischyrotomus)	903
robustus (Laopithecus)	*752*
robustus (Larus)	341
robustus (Leptochœrus)	752
robustus (Limnohyus)	*713*
robustus (Megacerops)	721
robustus (Megasaurus)	256
robustus (Meniscoëssus)	*384*

	Page
robustus (Mesocyon)	493
robustus (Miacis)	485
robustus (Morosaurus)	*191*
robustus (Ophthalmosaurus)	128
robustus (Osteopygis)	76
robustus (Pachycyon)	*500*
robustus (Palæosyops)	*713*
robustus (Paramys)	*903*
robustus (Perchœrus)	769
robustus (Phenacodus)	606
robustus (Plastomenus)	107
robustus (Pliohippus)	698
robustus (Priacodon)	370
robustus (Procamelus)	799
robustus (Prodaphænus)	*485*
robustus (Prolimnocyon)	473
robustus (Prosciurus)	904
robustus (Protapirus)	729
robustus (Protohippus)	*698*
robustus (Pseudotomus)	*903*
robustus (Sthenictis)	536
robustus (Tinodon)	*370*
robustus (Titanotherium)	*721*
rodens (Apatemys)	445
Rodentes	*858*
Rodentia	*856*
Rodentii	*857*
rodgersi (Hyposaurus)	*147*
rogersi (Palamopus)	*18*
rogersianus (Palamopus)	18
rogersii (Hyposaurus)	147
rogertii (Hyposaurus)	*147*
rooksensis (Paraphelops)	748
roosevelti (Cervalces)	825
Rorqualus	*575*
boops	*575*
Rosmariadæ	*559*
Rosmaridæ	*559*
rosmarinus (Dicynodon)	*63*
rosmarinus (Odobænus)	*560*
Rosmarus	*559*
arcticus	*560*
obesus	*560*
virginianus	*560*
rosmarus (Dicynodon)	63
rosmarus (Odobænus)	*560*
rosmarus (Odobenus)	560
rosmarus (Trichechus)	*560*
Rosores	*857*
rostratum (Tomitherium)	*923*
rostratus (Aepinacodon)	760
rostratus (Ancodon)	*760*
rostratus (Bothriodon)	*760*
rostratus (Bothrolabis)	*769*
rostratus (Entoptychus)	877
rostratus (Hyopotamus)	*760*
rostratus (Notharctus)	923
rostratus (Perchœrus)	769
rostratus (Phytosaurus)	*145*
rostratus (Rhytidodon)	*145*
rostratus (Thinohyus)	*769*
rubida (Erismatura)	*308*
rudis (Uintacyon)	484
rütimeyeranus (Paradoxodon)	461
rufa (Aplodontia)	906
rufa (Felis)	*555*
rufa (Haplodontia)	*906*
ruffus (Felis)	*555*
ruffus (Lynx)	*555*
rufus (Felis)	*555*
rufus (Lynx)	555
rugatum (Mastodon)	*627*
rugatus (Ziphacodon)	*483*, 487
rugosa (Thecachampsa)	*154*
rugosidens (Gomphotherium)	639
rugosidens (Mammut)	*639*
rugosidens (Mastodon)	*639*
rugosus (Crocodylus)	154
rugosus (Glyptosaurus)	254
rugosus (Palæoscincus)	*237*
Ruminantia	791, *833*
runymedensis (Alces)	827
rupertianus (Elephas)	*651*
Rupricapra	841
americana	841
Rupricaprinæ	840
rurestris (Canis)	*494*
rurestris (Tephrocyon)	494
ruschenbergeri (Delphinapterus)	594
ruschenbergeri (Priscodelphinus)	*594*
rusticus (Brachycrus)	*786*
rusticus (Merycochœrus)	786
rusticus (Peridiomys)	880
rütimeyeranus (Paradoxodon)	461
Rutiodon	*142*, 145, *172*
carolinensis	*142*, 145, *172*
manhattanensis	145
validus	*142*, 145
ryani (Balænoptera)	575
ryderanus (Agriochœrus)	778
ryderanus (Coloreodon)	*778*
Rytidodon	*145*
Rytina	*657*
borealis	*657*
Rytineæ	*657*
sabini (Xema)	341
sabinii (Xema)	*341*
sabluonis (Merycodus)	831
sabrinus (Glaucomys)	875
Saccomyidæ	*876*
Saccomyini	*880*
Saccomys	*879*
Saccophorus	*877*
bottæ	*877*
sævus (Aelurodon)	495
sævus (Canis)	*496*
sagatus (Aspideretes)	109
Sagittilingues	*352*
saincleri (Hipparion)	*694*
salaris (Crocodilus)	*154*
salebrosa (Amyda)	111
salebrosus (Trionyx)	*111*
saliens (Hoplochelys)	92
Sallomydidæ	*876*
sanctæfidei (Panolax)	861
Sangamona	830
fugitiva	830
Saniva	*251*, *351*
ensidens	*252*
major	*252*, *351*
Saniwa	251
agilis	252

	Page
Saniwa—*Continued*	
crassa	252
ensidens	252
grandis	252
leptodus	252
major	252
paucidens	252
Saniwinæ	251
sanjoanensis (Alamosaurus)	201
santacruzensis (Dusignathus)	558
saponensis (Champsosaurus)	133
Sarcolemur	755
bicuspis	755
comptus	439
crassus	755
furcatus	755
gracilis	924
mentalis	444
pygmæus	756
sarcophagus (Albertosaurus)	179
sarcophagus (Zatomus)	143
Sarcoramphi	810
Sarcoramphus	813
Sarcorhamphinæ	810
Sarcorhamphus	813
clarki	813
Sarcothraustes	466
antiquus	466
coryphæus	466
sargenti (Boötherium)	846
sargenti (Lithophis)	268
saskatchewanensis (Sciurus)	875
saskatchewanensis (Thespesius)	213
saturatus (Bubo)	850
Sauranodon	127
Sauravidæ	31
Sauraviformes	31
Sauravus	31
Sauri	243
Sauria	25, 242
Sauriæ	243
Saurii	242
Saurischia	167
Saurocetus	581
gibbesii	581
saurodosis (Minerva)	351
Saurognathus (Dissacus)	467
Sauroidichnites	19
gigas	19
Saurolophidæ	216
Saurolophinæ	216
Saurolophus	217
osborni	217
Sauropoda	188
Sauropsida	24, 272
Sauropterygia	113
Sauropterygii	113
Sauropus	7, 17, 20
antiquior	17
barratii	20
ingens	20
primævus	17, 18
sydnensis	7
unguifer	20
Saurothera	847
californiana	847

	Page
Saururæ	276
saxatilis (Cynarctus)	509
saxea (Clemmys)	94
saxeus (Protolabis)	801
scala (Duovestigia)	11
scalare (Peratherium)	393
scalaris (Didelphis)	393
Scaldicetus	598
caretti	598
Scalopidæ	435
Scalopinæ	436
Scalops	438
aquaticus	438
australis	438
townsendi	439
Scalopus	438
aquaticus	438
australis	438
townsendii	439
scalper (Megalonyx)	410
scambus (Anomœpus)	5
Scansoria	389
Scapanus	439
californicus	439
latimanus	439
townsendi	439
scaphoceras (Bison)	843
scaphoceras (Bos)	843
scaphoceras (Ovis)	843
Scaphoceros	847
cavifrons	847
tyrelli	847
tyrrelli	847
Scaptohyus	763
altidens	763
Scelidosauridæ	231
Scelidosaurinæ	232
Scelidosaurus	232
Scenodon	241
Schastasaurus	126
schiffi (Diceratherium)	745
schizoceras (Ilingoceros)	839
schizoceras (Illingoceras)	839
Schizodelphis	591, 592
crassangulum	591
depressus	591, 592
Schizolophodon	727
cuspidens	727
Schizotheriinæ	723
schlosseri (Microsyops)	450
schlosserianus (Chriacus)	461
schlosserianus (Epichriacus)	461
schneideri (Agriotherium)	523
schucherti (Chelonocephalus)	791
schucherti (Cyclopidius)	791
schucherti (Hadrianus)	100
schucherti (Hebe)	354
schucherti (Laoporus)	15
schucherti (Pterosphenus)	267
Scincidæ	249
Scincoidæ	248
Scincoidea	249
Scincomorpha	248
scitulus (Tephrocyon)	510
scitulus (Tomarctus)	510
Sciuravidæ	909

	Page
Sciuravus	*902, 904,* 909
altidens	909
buccatus	*902*
depressus	909
minimus	*904*
nitidus	909
parvidens	*904*
undans	909
Sciurida	*867*
Sciuridæ	867
Sciuriformes	867
Sciurii	*867*
Sciurina	*868*
Sciurinæ	868
Sciurini	*868*
Sciuroidæ	867
Sciuroidea	*867*
Sciuroidei	*867*
sciuroides (Chalicomys)	883
sciuroides (Paramys)	903
sciuroides (Plesiarctomys)	*903*
sciuroides (Steneofiber)	*883*
Sciuromorpha	*867*
Sciuromorphi	*867*
Sciuromys	*875*
Sciuropterus	*875*
alpinus	*875*
klamathensis	*875*
volans	*875*
volucela	*875*
Sciurus	873, *875, 904*
aberti	874
albolimbatus	874
arctomyoides	874
ballovianus	*904*
calicinus	*874*
californicus	*874*
calycinus	874
carolinensis	874
douglasi	*874*
douglasii	874
fossilis	*874*
griseus	874
hudsonicus	874
hudsonius	*875*
jeffersoni	*904*
panolius	875
relictus	*904*
saskatchewanensis	875
striatus	*873*
tenuidens	875
tridecemlineatus	*869*
vetustus	*904*
vortmani	*904*
vortmanni	*904*
Scolecophagus	*358*
affinis	*358*
cyanocephalus	*358*
gubernator	*358*
Scoliomus	49
puercensis	49
Scolopacidæ	336
Scolopacinæ	337
Scolopacoidea	*335*
Scolopax	*337*
scolopax (Belodon)	*142*

	Page
scolopax (Palæorhinus)	*142*
scolopax (Phytosaurus)	142
Scops	*349*
asio	*349*
bendirei	*349*
Scotophilus	*454*
scotti (Alces)	*826*
scotti (Archæotherium)	764
scotti (Blastomeryx)	819
scotti (Cervalces)	826
scotti (Elephas)	650
scotti (Equus)	*704, 708*
scotti (Isectolophus)	726
scotti (Micrichnus)	16
scotti (Micrichnium)	*16*
scotti (Prodaphænus)	*484*
scotti (Uintacyon)	484
scottianus (Cynodontomys)	449
scottianus (Microsyops)	*449*
scrotinus (Allops)	*720*
scudderi (Thomomys)	878
sculpta (Chelydra)	85
sculpta (Probaëna)	71
sculpta (Trachemys)	97
sculptus (Halodon)	*383*
sculptus (Meniscoëssus)	383
scutumantiquum (Amyda)	111
scutumantiquum (Trionyx)	*111*
secans (Acmeodon)	432
secans (Acmodon)	*431*
secans (Diacodexis)	757
secans (Pantolestes)	*757*
secans (Trigonolestes)	*757*
sectator (Nimravus)	543
sectorius (Anisonchus)	611
sectorius (Enhydrocyon)	507
sectorius (Hyænocyon)	*507*
sectorius (Tylosaurus)	259
secundaria (Sinopa)	477
secundarius (Stypolophus)	*477*
secundus (Aëlurodon)	496
secundus (Didelphodus)	432
secundus (Merychippus)	685
secundus (Mesocyon)	493
secundus (Proscalops)	436
secundus (Protohippus)	689
sedens (Ornithomimus)	183
seeleyanus (Hypsirophus)	234
seeleyanus (Stegosaurus)	234
segne (Uintatherium)	619
segnis (Asthenodon)	*373*
segnis (Chamops)	246
segnis (Thinobadistes)	414
seguis (Chamops)	*246*
sejunctus (Merychippus)	686
sejunctus (Protohippus)	*685, 686*
Selenacodon	*382*
brevis	*382*
fragilis	*382*
Selenichnidæ	2
Selenichnus	20
breviusculus	20
falcatus	20
selenidens (Hyracodon)	*736*
Selenodonta	*791*
Selenodontia	*791*

	Page
selenodus (Polymastodon)	384
sellardsi (Ardea)	295
sellardsi (Odocoileus)	*821*
sellardsi (Testudo)	105
sellardsiæ (Odocoileus)	821
selwyni (Gryposaurus)	*212*
selwyni (Pteropelyx)	*212*
selwyni (Trachodon)	212
selwynianum (Brontotherium)	*721*
selwynianus (Megacerops)	721
selwynianus (Menodus)	*721*
semicinctus (Bathmodon)	*616*
semicinctus (Coryphodon)	616
semicinctus (Leptomeryx)	810
semicinctus (Loxolophodon)	*616*
semihians (Homogalax)	726
semihians (Systemodon)	*726*
semipalmata (Alces)	827
semiplicatus (Equus)	*703*, 708
semiplicatus (Neohippus)	*708*
semiradicatus (Dimetrodon)	*55*
senex (Moropus)	663
senex (Tillomys)	905
septaria (Echmatemys)	95
septaria (Emys)	*95*
septentrionale (Chlamydotherium)	*418*
septentrionale (Chlamytherium)	418
septentrionalis (Cathartes)	311
serialis (Plastomenus)	*112*
serialis (Platypeltis)	112
sericodon (Crocodilus)	*154*
sericodon (Crocodylus)	154
sericodon (Thecachampsa)	*154*
serotinum (Nyctitherium)	435
serotinus (Allops)	720
serotinus (Megacerops)	*720*
serotinus (Nyctilestes)	*435*
serotinus (Vesperugo)	435
Serpentes	215
serpentina (Chelydra)	85
serpentinus (Elasmosaurus)	118
serpentirivale (Gomphotherium)	639
serrator (Mergus)	309
serratus (Cimolomys)	*380*
serratus (Crocodylus)	154
serratus (Ctenacodon)	378
serratus (Dorudon)	568
serratus (Exostinus)	246
serratus (Halodon)	*380*
serratus (Ptilodus)	380
serratus (Triceratops)	230
serratus (Zeuglodon)	*568*
serridens (Eurydorus)	*145*
serridens (Gomphotherium)	639
serridens (Mammut)	*639*
serridens (Mastodon)	*639*
serridens (Phytosaurus)	*145*
serridens (Rhynchotherium)	*639*
serridens (Tetrabelodon)	*636*, 639
serridens (Trilophodon)	*636*, 639
Serridentinæ	*623*
Serridentinus	*634*, *636*, 638
fricki	*638*
leidii	*637*
obliquidens	*637*
prægressor	*638*
republicanus	*639*
serrifer (Toxochelys)	87
serrulidens (Pogonodon)	542
serus (Dinobastis)	547
serus (Gomphotherium)	*801*
serus (Prosthennops)	771
serus (Prosthenops)	*771*
serus (Protolabis)	801
serus (Protomeryx)	*801*
serus (Tayassu)	*771*
serus (Tayassus)	*771*
sesquipedalis (Mylagaulus)	908
setiger (Mylohyus)	*773*
setiger (Platygonus)	773
Setifera	*752*
seversum (Hipparion)	*686*
seversum (Hippotherium)	*686*
seversus (Merychippus)	686
seversus (Stylonus)	*686*
severus (Merychippus)	*686*
sexcuspis (Synconodon)	396
Seymouria	*30*
babylorensis	*30*, *31*
baylorensis	*31*
Seymouriamorpha	*30*
Seymouriamorphoidea	*30*
Seymouridæ	*30*
Seymouriidæ	*30*
Shastasauridæ	124
Shastasaurinæ	*124*
Shastasaurus	126
alexandræ	126
altisphinax	*126*
altispinus	126
careyi	126
osmonti	126
pacificus	126
perrini	*126*, *241*
shastense (Nothrotherium)	406
shastensis (Catharista)	*312*
shastensis (Coragyps)	312
shastensis (Thalattosaurus)	241
Shastosauridæ	*124*
Shastosaurus	*126*
shaughnessiana (Echmatemys)	96
shaughnessiana (Emys)	*96*
shepardi (Anancus)	*639*
shepardi (Dibelodon)	*632*, *639*
shepardi (Gomphotherium)	639
shepardi (Mammut)	*639*
shepardi (Mastodon)	*632*, *637*, *639*
shepardi (Rhynchotherium)	*639*
shepardi (Tetrabelodon)	*631*
shepardi (Tetralophodon)	*631*
shepardi (Trilophodon)	*631*
Shepardia	20
palmipes	20
shepardii (Tetrabelodon)	*638*, *639*
sheppardianus (Charadrius)	336
shepardy (Dibelodon)	*639*
shimeki (Alces)	827
shimekii (Alces)	*827*
shirleyensis (Plesiosaurus)	116

	Page
shoshonensis (Canis)	506
shoshonensis (Dæodon)	766
shoshonensis (Sinopa)	477
Shoshonius	927
cooperi	927
shufeldti (Corvus)	356
shuleri (Tetrameryx)	836
sicaria (Thecachampsa)	*154*
sicarius (Crocodylus)	154
sicarius (Eusmilus)	545
sicarius (Viverravus)	483
sideropelicus (Diadectes)	35
siegfriedi (Leipsanolestes)	451
sierrensis (Megalonyx)	*410*
Sigmodon	894
curtisi	894
hispidus	894
medius	895
minor	895
Sigmodontinæ	*891*
Sigmogomphius	*884*, 888
lecontei	*884*, 888
silberlingi (Neoclænodon)	465
silberingi (Picrodus)	385
sillimani (Anchisauripus)	*3*
sillimanii (Hydrarchos)	*570*
sillimanii (Hydrargos)	*570*
sillimanium (Brontozoum)	*3*
Sillimanius	20
gracilior	20
tetradactylus	20
Silvalarctos	*523*
silvestre (Dromatherium)	*368*
silvestris (Elephas)	646
silvestris (Meleagris)	330
Silvilagus	*864*
sima (Baëna)	72
Simædosauria	*131*
Simædosaurus	*132*
Simia	*930*
Simiæ	*916*
Simiidæ	*930*, 931
similis (Sorex)	*441*
Simobison	853
figginsi	853
Simocyoninæ	504
simplex (Calamodon)	406
simplex (Chriacus)	*460*
simplex (Hyopsodus)	444
simplex (Oxyclænus)	460
simplex (Protapirus)	729
simplex (Protochriacus)	*460*
simplicidens (Aceratherium)	*742*
simplicidens (Blarina)	442
simplicidens (Brachypsalis)	*525*
simplicidens (Cænopus)	*743*
simplicidens (Chalicomys)	883
simplicidens (Equus)	*699*
simplicidens (Gomphotherium)	639
simplicidens (Paroligobunis)	525
simplicidens (Plesippus)	699
simplicidens (Pliohippus)	*699*
simplicidens (Reithrodontemys)	892
simplicidens (Steneofiber)	*883*
simplicidens (Subhyracodon)	*743*
simplicidens (Trilophodon)	*639*

	Page
Simplicidentata	866
Simplicidentati	*867*
simulans (Ælurodon)	496
simum (Arctotherium)	521
simum (Tremarctotherium)	*521*
simus (Arctodus)	521
simus (Coryphodon)	*616*
simus (Cyclopidius)	*790*, 791
simus (Lestosaurus)	*260*
simus (Pithecistes)	*791*
simus (Platecarpus)	260
simus (Procyon)	515
simus (Protohippus)	689
sinapius (Amphicyon)	511
sinclairi (Artiodactylus)	6
sinclairi (Blastomeryx)	819
sinclairi (Bubo)	350
sinclairi (Cervavus)	*819*
sinclairi (Dyseomeryx)	*819*
sinclairi (Hipparion)	694
sinclairi (Hippotherium)	*694*
sinclairi (Metailurus)	550
sinclairi (Neohipparion)	*694*
sinclairi (Preptoceras)	844
sinclairi (Proptoceros)	*844*
sinclairi (Pseudælurus)	550
Sinclairia	407
oregoniana	407
sinclairii (Hipparion)	694
sinclairii (Hippotherium)	*694*
sinclairii (Neohipparion)	*694*
singletoni (Terrapene)	99
singularis (Aspideretes)	109
singularis (Coryphodon)	616
singularis (Heptodon)	724
singularis (Hyrachus)	*724*
singularis (Pliauchenia)	802
singularis (Trionyx)	*109*
Sinopa	*473*, 476
aculeata	476
agilis	*478*
crucians	*480*
edax	*477*
eximia	*924*
gracilis	*478*
grangeri	476
hians	476
insectivora	476
lania	477
major	476
minor	477, *478*
mordax	477
multicuspis	477
opisthotoma	477
pungens	477
rapax	477
secundaria	477
shoshoniensis	477
strenua	477
vera	477
viverrina	477
vulpecula	478
whitiæ	*478*
sinosus (Ambloctonus)	473
sinuatus (Corvus)	356
sinuosus (Basilemys)	88

	Page
sinus (Procyon)	*515*
sinus (Protohippus)	*689*
siouense (Pronomotherium)	786
siouxensis (Desmathyus)	770
siouxensis (Merychyus)	788
siouxensis (Thinohyus)	*770*
Siphonocetus	572
clarkianus	572
expansus	572
priscus	572
siphunculus (Mesocetus)	571
Sirenia	653
Sirenii	*653*
Sironectes	264
anguliferus	264
sirtalis (Coluber)	*270*
sirtalis (Eutænia)	*270*
sirtalis (Thamnophis)	270
Sistemodon	*726*
Sitomys	*894*
americanus	*894*
canadensis	*894*
Sivalarctos	*523*
sivalensis (Ursus)	*523*
sloanii (Xenorophus)	580
Smilidon	*548*
Smilodectes	924
gracilis	924
Smilodon	*169*, *547*, 548
californicum	*548*
californicus	548
fatalis	549
floridanus	549
gracilis	*547*
merceri	*547*
mercerii	*547*
nebrascensis	549
Smilodontopsis	547
conardi	547
gracilis	547
mercerii	547
mooreheadi	547
troglodytes	547
smithi (Merychyus)	788
smithi (Ticholeptus)	*788*
snoviana (Testudo)	*104*, 105
snovianus (Caryoderma)	*104*
snowi (Elasmosaurus)	*118*
snowii (Cimoliasaurus)	120
snowii (Cimoliosaurus)	*120*
snowii (Elasmosaurus)	118
snyderi (Anamodon)	*439*
snyderi (Anomodon)	439
socialis (Bothrolabis)	*769*
socialis (Eporeodon)	783
socialis (Hyracops)	607
socialis (Palæochœrus)	*769*
socialis (Perchœrus)	769
socialis (Pericyon)	493
socialis (Thinohyus)	*769*
socialis (Trigenicus)	810
socius (Merychippus)	686
sodalis (Aquila)	318
sodalis (Mylodon)	414
solaris (Crocodylus)	154
Solenodon	*427*

	Page
Solenodontidæ	427
Solenodontini	*428*
Solidungala	*663*, *664*
solidus (Ototriton)	250
Solipeda	*664*
solus (Anchisaurus)	171
sookensis (Cornwallius)	*654*
sookensis (Desmostylus)	*654*
sopita (Propleura)	*76*
sopitus (Osteopygis)	76
Sorex	440
aquaticus	*438*
brevicaudus	*442*
fossidens	442
frankstounensis	441
fumeus	441
obscurus	441
personatus	441
similis	*441*
vagrans	*441*
Soricidæ	439
Soricidea	*440*
Soriciidi	*140*
Soricina	*440*
Soricinæ	*434*, *439*
Soricoidæ	434
Soricoidea	*434*
soricoides (Labidolemur)	446
Soricomorpha	*434*
Spalacotheriidæ	*370*
Spalacotheriinæ	*370*
sparverius (Falco)	322
Spatula	306
clypeata	306
spatula (Pliauchenia)	802
spatularius (Esthonyx)	855
speciosa (Naomichelys)	73
speciosum (Hipparion)	687
speciosum (Hippotherium)	*687*
speciosum (Neohipparion)	*687*
speciosus (Hippodon)	687
speciosus (Leptomeryx)	810
speciosus (Merychippus)	*687*
speciosus (Mesacodon)	*450*
speciosus (Microsyops)	*450*
spectabilis (Gyremys)	94
spectabilis (Leptochœrus)	752
spectans (Hippidion)	*698*
spectans (Hippidium)	*698*
spectans (Pliohippus)	698
spectans (Protohippus)	*698*
speirianum (Tinoceras)	*619*
speirianum (Uintatherium)	619
speirianus (Anaptomorphus)	*445*
speirianus (Haplomylus)	445
speirianus (Hyopsodus)	*445*
speirianus (Microsyops)	*444*
spelæa (Brachyprotoma)	532
spelæa (Neotoma)	896
spelæa (Teonoma)	*896*
spelæum (Osmotherium)	532
spelæus (Mixophagus)	516
spelæus (Myxophagus)	*516*
speleus (Odocoileus)	*820*
spenoceros (Monoclonius)	*225*
speothen (Microtus)	898

Page

Speotyto 351
cunicularia 351
hypogæa 351
hypugæa 351
Spermophilus 868
chrysodeirus 869
douglasi 871
grammurus 871
tridecemlineatus 869
sperryi (Entoptychus) 877
sphærodactylus (Thenaropus) 22
Sphæropezium 22
thærodactylum 22
Sphargidæ 68
Sphargidina 67
Sphargidinæ 68
Sphargis 68
Sphenacodon 52
ferox 53
Sphenacodontidæ 52
Sphenacodontiformes 51
Sphenacodontinæ 52
Sphenacodontomorphi 46
sphenoceros (Monoclonius) 225
sphenocerus (Agathaumas) 225
sphenocerus (Monoclonius) 225
sphenocerus (Styracosaurus) 225
Sphenocœlus 717
uintensis 717
Sphenodon 131, 134
sphenodon (Glyptosaurus) 254
Sphenodontidæ 134
Sphenodontiformes 133
Sphenodontia 133
Sphenodontoidea 133
sphenodus (Hipparion) 686
sphenodus (Hippotherium) 686
sphenodus (Merychippus) 686
Sphenomeryx 755
quadricuspis 755
Sphenophalos 840
nevadanus 840
sphenops (Diplocynodon) 156
sphenops (Diplocynodus) 156
Sphenosaurus 149
clavirostris 150
spierianus (Anaptomorphus) 445
Spilogale 533
ambarvalis 534
interrupta 534
perdicida 534
putorius 534
Spilotes 269
spinosus (Belosphys) 590
spinosus (Ixacanthus) 590
spinosus (Priscodelphinus) 590
splendidus (Aspideretes) 109
sponsa (Aex) 306
sponsa (Aix) 306
sponsa (Anas) 306
spurensis (Desmatosuchus) 140
squaliceps (Hypopnous) 40
squalidens (Daptophilus) 542
squalidens (Deinictis) 542
squalidens (Dinictis) 542
Squaloceti 578

Page

Squalodon 580, 597, 770
atlanticus 581
calvertensis 581
crassus 581
debilis 587
holmesii 581
modestus 564
pelagius 581
protervus 770
tiedemani 581
Squalodontidæ 580
Squalodontidi 580
Squamata 240
Squamates 239
Squamnata 239
squankensis (Crocodylus) 154
squankensis (Thecachampsa) 154
Stagodon 392
nitor 392
tumidus 392
validus 392
Stagodontidæ 390, 391
starri (Pithanotaria) 558
stavelianus (Crocodylus) 154
Steganopodes 289, 291
Stegoceras 207
brevis 207
validus 208
Stegodon 633
mirificus 633
Stegomastodon 633
aftoniæ 633
arizonæ 633
elegans 633
merciferus 633
mirificus 633
nebrascensis 633
texanus 633
Stegominæ 138
Stegomosuchidæ 139
Stegomosuchus 139
longipes 139
Stegomus 139
arcuatus 139
longipes 139
Stegopelta 232, 236
landerensis 232
Stegorhinidæ 569
Stegosauri 231, 232
Stegosauria 231
Stegosauridæ 231, 232
Stegosauridea 231
Stegosaurinæ 231, 232
Stegosauroidæ 231
Stegosauroidea 231
Stegosaurus 232, 233
affinis 234
altispinus 234
armatus 234
discurus 234
duplex 234
longispinus 234
marshi 232
seeleyanus 234
stenops 234
stereops 234

	Page
Stegosaurus—*Continued*	
sulcatus	235
ungulatus	235
Stehlinius	447
uintahensis	447
uintensis	447
steini (Arctostylops)	660
steini (Diatryma)	283
stelleri (Anas)	308
stelleri (Corvus)	355
stelleri (Cyanocitta)	355
stelleri (Eumetopias)	658
stelleri (Hydrodamalis)	658
stelleri (Polysticta)	308
stelleri (Rhytina)	657, 658
stelleri (Rhytine)	658
Stellerus	657
Stemmatopus	561
cristatus	562
Stenacodon	757
rarus	757
Steneofiber	882, 884
barbouri	882
brachyceps	882
complexus	882
fossor	883
gradatus	883
hesperus	883
montanus	883
nebrascensis	884
pansus	883
peninsulatus	883
sciuroides	883
simplicidens	883
Steneotherium	882
Stenichnus	20
yakiensis	20
stenocephalus (Enhydrocyon)	507
Stenodactylus	21
curvatus	21
Stenodelphinæ	593
Stenodelphis	593
sternbergi	593
stenodon (Thinosaurus)	248
stenodon (Tinosaurus)	248
Stenogale	536
robusta	536
stenognathus (Protogonodon)	463
stenolophus (Mesohippus)	675
Stenomylus	808
crassipes	808
gracelis	808
gracilis	808
hitchcocki	809
tyleri	809
Stenonyx	21
lateralis	21
stenopora (Toxochelys)	87
stenoporus (Toxochelys)	87
stenops (Chriacus)	461
stenops (Clidastes)	263
stenops (Stegosaurus)	234
stenops (Tinoceras)	619
stenops (Uintatherium)	619
stenopsis (Cionodon)	214
Stenopterygius	128, 129

	Page
Stenorhinchus	562
Stenorhynchidæ	562
Stenorhynchinæ	562
Stenorhynchus	562
vetus	562
Stenosauria	188
stenus (Ixacanthus)	592
stenus (Priscodelphinus)	592
Stephanosaurinæ	217
Stephanosaurus	213
casuarius	218
marginatus	214, 218, 219
Stereocephalus	238
tutus	238
Stereognathus	382
stereops (Stegosaurus)	234
Sterna	341
elegans	342
forsteri	342
philadelphia	340
surinamensis	342
sternbergi (Cardiacephalus)	32
sternbergi (Cardicephalus)	32
sternbergi (Cardiocephalus)	32
sternbergi (Elasmosaurus)	118
sternbergi (Gomphotherium)	797
sternbergi (Gorgosaurus)	178
sternbergi (Hierosaurus)	239
sternbergi (Miolabis)	797
sternbergi (Paratylopus)	797
sternbergi (Poëbrotherium)	797
sternbergi (Protomeryx)	797
sternbergi (Stenodelphis)	593
sternbergii (Clidastes)	263
sternbergii (Hierosaurus)	239
sternbergii (Leidyosuchus)	155
sternbergii (Pentaceratops)	230
sternbergii (Protomeryx)	797
Sternella	357
Sternidæ	341
Sterninæ	341
Steropoides	21
divaricatus	21
diversus	21
elegans	21
infelix	21
ingens	21
loripes	21
uncus	21
Sterrholophus	223, 227
flabellatus	228
stevensi (Lama)	808
stevensi (Tanupolama)	808
stevensonensis (Emys)	96
stevensoniana (Echmatemys)	96
Sthenictis	536
dolichops	536
lycopotamica	536
robustus	536
Sthenodectes	714
incisivus	714
Stibarus	753
montanus	753
obtusilobus	753
quadricuspis	753
stigeri (Aceratherium)	745

Page

stigeri (Metacænopus) 745
storchii (Omorhamphus) 283
strangulatus (Diastichus) 723
strata (Isocampe) 15
strenua (Sinopa) 477
strenuus (Stypolophus) 477
strenuus (Taphrasphys) 75
strenuus (Taphrosphys) 75
strepera (Anas) 306
streperus (Chaulelasmus) 305
Strepsirrhini 918
striatula (Zygoramma) 91
striatus (Bolosaurus) 37
striatus (Docodon) 375
striatus (Pantosaurus) 121
striatus (Platygonus) 773
striatus (Tamias) 873
stricta (Chelydrops) 86
Striges 348
Strigidæ 348, 349
strigidens (Hoplophoneus) 545
Strigiformes 348
Striginæ 348, 349
Strigomorphæ 348
Strix 348, 349
flammeus 351
Struthiomimus 182, 185
altus 182
grandis 183
tenius 183
struthionoides (Palæonornis) 359
sturdevanti (Anomalopus) 4
Sturnella 357
magna 357
neglecta 357
Stylacodon 373
gracilis 373
validus 373
Stylacodontidæ 372
Stylemys 100
calaverensis 101
capax 101
conspecta 101
nebrascensis 101
niobrarensis 104
oregonensis 101
Stylinodon 400
cylindrifer 401
mirus 401
Stylinodontidæ 399
Stylinodontinæ 399
Stylinodontini 399
Styliodontidæ 399
Stylodon 373, 400
Stylodontidæ 372, 399
stylodontus (Merychippus) 684
Stylonodon 400
Stylonus 684
calamarius 684
isonesus 685
relictus 686
seversus 686
Stypolophus 473, 476
aculeatus 476
agilis 478
brevicalcaratus 478

Page

Stypolophus—*Continued*
brevicolcarabus 478
edax 477
gracilis 478
hians 476
insectivorus 476
major 476
multicuspis 477
pungens 477
rapax 477
secundarius 477
strenuus 477
verus 474, 477
viverrinus 477
vorax 477
whiteæ 478
whitiæ 478
Styracosaurus 225
albertensis 225
sphenocerus 225
subæquans (Bothrolabis) 769
subæquans (Desmathyus) 769
subæquans (Palæochœrus) 769
subæquans (Perchœrus) 769
subæquans (Thinohyus) 769
Subhyracodon 735, 740
copei 740
gidleyi 741
metalophum 741
metalophus 741
mitis 742
occidentalis 741
proavitus 743
quadriplicatus 735
simplicidens 743
tridactylus 743
trigonodus 742
sublatus (Crocodilus) 154
subquadrata (Euprotogonia) 603
subquadratus (Coryphodon) 616
subquadratus (Protogonia) 603
subquadratus (Protogonodon) 603
subquadratus (Tetraclænodon) 603
subsquadratus (Aspideretes) 109
substriata (Alamosemys) 91
substricta (Adocus) 91
substricta (Alamosemys) 91
subtapiroidea (Mastodon) 637
subtrigonus (Tricentes) 462
subulatus (Crocodilus) 154
subulatus (Crocodylus) 154
subulatus (Ichthyosuchus) 154
subulatus (Myiotis) 454
subulatus (Myotis) 454
subulatus (Vespertilio) 454
Subungulata 913, 914
successor (Anancus) 632
successor (Mastodon) 632
Suchoprion 172
aulacodus 172
cyphodon 172
sulcidens 172
Suidæ 761, 762, 766
Suiformes 752
Suina 753, 761, 766
Suinæ 767

	Page
Sula	*291*, 292
atlantica	*291*
loxostyla	*291*
willetti	292
sulcata (Taxidea)	535
sulcatus (Antrodemus)	174
sulcatus (Camelops)	805
sulcatus (Centemodon)	*145*
sulcatus (Holomeniscus)	*805*
sulcatus (Labrosaurus)	*174*
sulcatus (Leptotragulus)	*812*
sulcatus (Palæosaurus)	*145*
sulcatus (Paleosaurus)	*145*
sulcatus (Parameryx)	812
sulcatus (Phenacodus)	606
sulcatus (Prochonias)	*75*
sulcatus (Stegosaurus)	235
sulcatus (Tæniolabis)	384
sulcatus (Taphrosphys)	75
sulcatus (Triceratops)	230
sulcidens (Mylodon)	414
sulcidens (Suchoprion)	172
sulciferus (Crocodilus)	*154*
sulciferus (Crocodylus)	154
sulcifrons (Pleurolicus)	877
Sulidæ	291
Sulides	*291*
Sulinæ	*291*
Suloidæ	291
sumani (Merychippus)	686
Suoidæ	761
Suoidea	*761*
supaiensis (Tridentichnus)	22
superba (Meleagris)	330
superbum (Archæotherium)	*762*
superbum (Elotherium)	762
superbum (Protitanotherium)	715
superbus (Amphicyon)	511
superbus (Daphænodon)	*508*
superbus (Daphœnodon)	508
superbus (Daphænus)	*509*
superbus (Meleagris)	*330*
superbus (Merycochœrus)	*785*
superbus (Paracotylops)	*785*
superbus (Paramys)	903
superbus (Promerycochœrus)	785
superbus (Pseudotomus)	*903*
superciliosus (Aphelops)	*748*
superciliosus (Peraceras)	749
superciliosus (Phytosaurus)	142
superciliosus (Teleoceras)	748
superior (Dolichorhinus)	716
superior (Mesatirhinus)	*716*
superstes (Amphidon)	371
superstes (Ectocion)	606
supremus (Camarasaurus)	191
supremus (Camarosaurus)	*191*
supremus (Hadrohyus)	791
supremus (Merychippus)	*698*
supremus (Morosaurus)	*191*
supremus (Pliohippus)	698
supremus (Protohippus)	*698*
surgens (Helcura)	14
surinamensis (Chlidonias)	342
surinamensis (Hydrochelidon)	*342*
surinamensis (Sterna)	*342*
sursiplana (Balænoptera)	575
Sus	*766*
americana	*851*
Sustenodactylus	21
curvatus	21
swainsoni (Buteo)	316
syceras (Megacerops)	*720*
Sycium	899
cloacinum	899
sydenensis (Palæosauropus)	*7*
sydnensis (Baropezia)	7
sydnensis (Sauropus)	*7*
Syllomus	80
crispatus	80
sylvaticum (Lophiotherium)	*671*
sylvaticus (Aminippus)	*671*
sylvaticus (Lepus)	*864*
sylvaticus (Orohippus)	671
sylvestre (Agathaumas)	*231*
sylvestre (Dromatherium)	368
sylvestre (Dromotherium)	*368*
sylvestris (Agathaumas)	*222*, 231
sylvestris (Bison)	852
sylvestris (Glyptosaurus)	254
sylvestris (Harpalodon)	*483*, *485*
sylvestris (Miacis)	485
Sylvilagus	864
auduboni	*864*
audubonii	864
bachmani	864
cinerascens	864
floridanus	864
palustris	864
pix	864
Symbordon	*718*
montanus	*718*
Symborodon	718, *720*
acer	718
altirostris	*718*
bucco	*722*
copei	718
hypoceras	*722*
montanus	718
torvus	718
Symbos	846
australis	847
cavifrons	847
promptus	847
tyrelli	*847*
tyrrelli	847
Symmetrodonta	370
Symphypoda	*168*
Symphyrophus	193
musculosus	193
viæmalæ	201
viemale	*201*
Symphyrosaurus	*193*
Synapsida	*28*, *45*
Synaptomys	899
annexus	899
australis	899
borealis	899
cooperi	899
Synconodon	396
sexcuspis	396

Page

Syndyoceras ---- 814
cooki ---- 814
Synoplotherium ---- *468*, 469
lanius ---- 469
vorax ---- *469*
syntheticus (Adocus) ---- 90
Synthliboramphus ---- 344
antiquus ---- 344
Syrnium ---- *348*
Systemodon ---- *667*, *668*, *726*
etsagicus ---- *669*
primævus ---- *726*
protapirinus ---- *726*
semihians ---- *727*
tapirinus ---- *669*
tabensis (Polymastodon) ---- *384*
Tæniodonta ---- 397
Tæniodontia ---- *398*
Tæniolabis ---- *383*, 384
sulcatus ---- 384
Tagassu ---- *773*, *775*
lenis ---- *775*
tetragonus ---- *773*
Tagassuidæ ---- *770*
tajacu (Tayassu) ---- *775*
Taligrada ---- *609*
Talpa ---- 436
incerta ---- 438
platybrachys ---- 438
Talpavidæ ---- 435
Talpavus ---- *434*
nitidus ---- *434*
Talpidæ ---- 435
Talpina ---- *435*
Talpinæ ---- *435*
Talpini ---- *435*
talpivorus (Aphelophis) ---- 268
talpoides (Cricetus) ---- *878*
talpoides (Thomomys) ---- 878
Tamias ---- *869*, 872
chrysodeirus ---- *869*
lævidens ---- 873
nasutus ---- 873
striatus ---- 873
Tamiasciurus ---- *874*
hudsonicus ---- *874*
Tamiidæ ---- *868*
Tanaodon ---- 372
agilis ---- 372
Tantalus ---- *297*
tantalus (Pliohippus) ---- 698
tantillus (Plastomenus) ---- 107
Tanupolama ---- 808
stevensi ---- 808
Tanyops ---- 729
undans ---- 729
Tanyorhinus ---- 716
blairi ---- 716
bridgeri ---- 716
harundivorax ---- 716
Tanystropheus ---- *186*
bauri ---- 186
longicollis ---- *186*
willistoni ---- *186*
taoensis (Polymastodon) ---- 384

Page

Taperidæ ---- *727*
Taphrasphys ---- *75*
strenuus ---- *75*
Taphrosaurus ---- 121
lockwoodi ---- 121
Taphrosphys ---- 74
dares ---- 74
leslianus ---- 75
longinuchus ---- 75
molops ---- 75
nodosus ---- 75
strenuus ---- 75
sulcatus ---- 75
tapiacitis (Meniscotherium) ---- 607
Tapiravus ---- 729
rarus ---- 729
validus ---- 729
Tapirella ---- *731*
haysi ---- *731*
Tapiridæ ---- *723*, 727
Tapiri ---- *728*
Tapirina ---- *727*
Tapirinæ ---- 728
Tapirini ---- *728*
tapirinum (Hyracotherium) ---- *669*
tapirinus (Eohippus) ---- 669
tapirinus (Orohippus) ---- *669*
tapirinus (Systemodon) ---- *669*
Tapiroidæ ---- 723
Tapiroidea ---- *723*
tapiroides (Mastodon) ---- *635*
tapiroides (Tetracaulodon) ---- *625*
tapiroides (Tracaulodon) ---- *625*
Tapiromorpha ---- *723*
Tapirulus ---- *724*
Tapirus ---- 729, 730
americanus ---- *731*
californicus ---- 731
hayesi ---- *731*
haysii ---- 731
merriami ---- 731
tarijensis ---- 731
tennesseæ ---- 731
terrestris ---- 731
veroensis ---- 731
Tarandus ---- *823*
tarandus (Cervus) ---- *825*
tarandus (Rangifer) ---- *824*
Tardigrada ---- 403
tardus (Agomphus) ---- 191
tarijensis (Tapirus) ---- 731
Tarsidæ ---- *925*
Tarsiformes ---- *924*
Tarsiidæ ---- *924*, 925
Tarsiini ---- *924*
Tarsioidæ ---- 924
Tarsioidea ---- *924*, *925*
Tarsius ---- *925*
Tarsodactylus ---- 21
caudatus ---- 21
expansus ---- 21
Tarsoplectrus ---- *19*
angustus ---- *19*
elgans ---- *19*
Tathiodon ---- 372
agilis ---- 372

Page

Tatu ---- *416*
Tatusia ---- *415, 416*
tatusia (Metacheiromys) ---- 422
Tatusiidæ ---- *415*
Tatusinæ ---- *416*
tau (Equus) ---- *703*, 709
Taurotragus ---- 838
americanus ---- 839
Taxeopoda ---- 601
Taxidea ---- 534
americana ---- *535*
nevadensis ---- 535
robusta ---- 535
sulcata ---- *535*
taxus ---- 535
Taxideinæ ---- 534
Taxidiinæ ---- *534*
taxoides (Ælurodon) ---- 496, *507*
taxoides (Euoplocyon) ---- 507
taxus (Altippus) ---- *682*
taxus (Meles) ---- *535*
taxus (Parahippus) ---- 682
taxus (Taxidea) ---- 535
taxus (Ursus) ---- *535*
Taxymys ---- *904*
lucaris ---- *904*
Tayassidæ ---- *770*
Tayassinæ ---- *769*
Tayassu ---- *771, 773*, 774, 775
hesperius ---- 775
lenis ---- 775
nasutus ---- 774
obtusidens ---- *774*
pennsylvanicus ---- *774*
serus ---- *771*
tajacu ---- *775*
tetragonus ---- *773*
Tayassuidæ ---- 769
Tayassuinæ ---- *769*
Tayassus ---- *771, 774, 775*
hesperius ---- *775*
nasutus ---- *774*
serus ---- *771*
tetragonus ---- *773*
taylori (Bison) ---- 852
taylori (Citellus) ---- 869
taylori (Trigonias) ---- 740
Tecophora ---- *69*
tectulus (Lestosaurus) ---- *261*
tectulus (Platecarpus) ---- 261
tehonense (Hipparion) ---- 692
tehonense (Neohipparion) ---- *692*
tehonensis (Protohippus) ---- 689
tehuanus (Dicrocerus) ---- *832*
tehuanus (Merycodus) ---- 832
Telacodon ---- 396
lævis ---- 396
præstans ---- 396
Telemetacarpalia ---- *816*
Teleoceras ---- 749
bicornutus ---- *750*
crassus ---- *747*
felicis ---- 749
fossiger ---- 749
hicksi ---- 750
jemezanus ---- *747*

Page

Teleoceras—*Continued*
major ---- *749*, 750
malacorhinus ---- *747*
medicornutus ---- 750
minor ---- 750
proterus ---- 750
superciliosus ---- *748*
Teleoceratinæ ---- 748
Teleodus ---- 720
avus ---- 720
Teleopternus ---- 809
orientalis ---- 809
Teleorhinus ---- 147
browni ---- 147
Teleorrhinus ---- *147*
Telmalestes ---- *922*
crassus ---- *922*
Telmatherium ---- *712*, 713
accola ---- 714
advocata ---- *714*
advocatum ---- 714
altidens ---- 714
boreale ---- *712*
cornutum ---- *715*
cultridens ---- 714
diploconum ---- *717*
hyognathum ---- *716*
incisivum ---- *714*
marshii ---- 714
megarhinum ---- *716*
ultimum ---- 714
validum ---- 714
vallidens ---- 714
Telmatocyon ---- *473*
riparius ---- *474*
Telmatolestes ---- *922*
crassus ---- *922*
Telmatornis ---- 334
affinis ---- 334
priscus ---- 334
rex ---- 334
Telmatotherium ---- *712, 713*
boreale ---- *712*
cornutum ---- *716*
temerarius (Canis) ---- *494*
temerarius (Mylohyus) ---- 774
temerarius (Tephrocyon) ---- 494
temmincki (Macrochelys) ---- *85*
temminckii (Chelone) ---- *85*
temminckii (Chelonura) ---- *85*
temminckii (Chelydra) ---- *86*
temminckii (Macrochelys) ---- 85
temminckii (Macroclemys) ---- *86*
temminckii (Macroclemmys) ---- *85*
temminckii (Makrochelys) ---- *86*
Temnocyon ---- *493*, 506
altigenis ---- 506
coryphæus ---- *493*
ferox ---- 506
percussor ---- 506
venator ---- 506
wallovianus ---- 506
temnodon (Cynodictis) ---- 491
temnodon (Palæolagus) ---- 866
Temnotrionyx ---- 112
manducans ---- 112

Page

temporalis (Merycochœrus) 785
tenax (Dryolestes) 373
tenebrosus (Crocodilus) 149
tenebrosus (Holops) 149
tenebrosus (Notharctus) 923
tenebrosus (Thoracosaurus) 149
tener (Leptacodon) 432
tener (Ichthyornis) 282
Tenrecidæ 427
Tenrecoidæ 426
tenuiceps (Mylodon) 414
tenuidens (Sciurus) 875
tenuipes (Yalavis) 360
tenuirostris (Microconodon) 368
tenuirostris (Micronodon) 368
tenuirostris (Tyttoconus) 368
tenuis (Batodon) 392
tenuis (Grallator) 13
tenuis (Ictops) 430
tenuis (Miolabis) 796
tenuis (Ornithomimus) 183
tenuis (Platypterna) 19
tenuis (Struthiomimus) 183
tenuissimus (Harpedactylus) 13
tenuitectus (Bolbodon) 35
Teonoma 895
cinerea 895
occidentalis 895
spelæa 896
Tephrocyon 494, 509
confertus 510
hippophagus 509, 510
kelloggi 494
marshi 510
mortifer 510
rurestris 494
scitulus 510
temerarius 494
vafer 495
Teratormithidæ 313
Teratornis 313
merriami 313
teres (Cosoryx) 816
teres (Dicrocerus) 816
teres (Iguanavus) 246
teres (Merycodus) 816
teres (Palæomeryx) 816
Terminonaris 147
terrærubræ (Meniscotherium) 607
terrarubræ (Meniscotherium) 607
Terrapene 98
anguillulata 98
anguillulatus 99
antipex 98
bulverda 98
canaliculata 98
carolina 98
clausa 98
eurypygia 98, 99
formosa 99
impressa 99
innoxia 99
longinsulæ 99
marnochii 99
putmanni 99

Page

Terrapene—*Continued*
putnami 99
singletoni 99
whitneyi 99
Terraphene 98
terrenus (Arctoryctes) 429
terrestris (Emys) 96
terrestris (Palæotheca) 96
terrestris (Tapirus) 731
tertius (Merychippus) 685
teste (Coryphodon) 616
testis (Coryphodon) 616
Testudina 65
Testudinæ 99
Testudinata 64, 99
Testudinea 99
testudinea (Echmatemys) 96
testudinea (Emys) 96
testudinea (Notomorpha) 96
Testudinei 99
Testudiniæ 83
Testudinina 83
Testudines 64
Testudinidæ 83, 93, 99
Testudininæ 99
Testudo 101, 102
amphithorax 102
angusticeps 104
annæ 102
arenivaga 102
atascosæ 101
brevisterna 102
brontops 103
campester 103
corsoni 100
crassiscutata 103
culbertsoni 101
cultrata 103
cyclopygia 104
distans 103
edæ 103
ediæ 103
emiliæ 103
equicomes 103
exornata 103
farri 103
ferox 112
francisi 103
gilberti 103
gilbertii 103
hadriana 100
hayi 103
hexagonata 103
hollandi 103
impensa 103
incisa 103
inusitata 103
klettiana 103
laticaudata 104
laticunea 104
ligonia 104
luciæ 104
mohavensis 104
munda 104
mydas 82

	Page
Testudo—*Continued*	
nebrascensis	*101*
niobrarensis	104
obtusa	104
ocalana	104
orthopygia	104
osborniana	104
oweni	*101*
pansa	104
peragrans	104
pertenuis	104
polyphemus	*101*
præextans	104
quadrata	104
sellardsi	105
snoviana	*104*, 105
thomsoni	105
turgida	105
uintensis	105
unabuna	*105*
undabuna	105
undata	105
vaga	105
Tetonius	929
ambiguus	929
homunculus	929
musculus	929
rex	929
Tetrabelodon	*631*, *634*
abeli	*635*
andium	*631*
brevidens	*635*
campester	*635*
campestre	*635*
cimarronis	*636*
dinotherioides	*636*, *638*
euhyphodon	*636*
euhypodon	*636*
floridanus	*636*
giganteus	*637*
lulli	*637*
osborni	*637*
obscurus	*637*
præcursor	*638*
proavus	*638*
productus	*638*
serridens	*636*, *639*
shepardii	*639*
willistoni	*639*
Tetracaulodon	*623*
bucklandi	*625*
haysii	*625*
kochii	*625*
mastodontoideus	*627*
ohioticum	*626*, *630*
osageii	*625*
tapiroides	*625*
tetracaulodon (Mastodon)	*625*
tetracaulodon (Missourium)	*627*
Tetraceratops	56
insignis	56
Tetraclænodon	603
minor	603
puercensis	603
subquadratus	603

	Page
tetradactylus (Dolichopodus)	10
tetradactylus (Ornithichnites)	*20*
tetradactylus (Sillimanius)	20
tetragonus (Mylohyus)	*773*
tetragonus (Platygonus)	773
tetragonus (Tagassu)	*773*
tetragonus (Tayassu)	*773*
tetragonus (Tayassus)	*773*
Tetralophodon	*630*, *634*
barbouri	*635*
campester	*635*
euhypodon	*636*
giganteum	*637*
ligoniferus	*637*
precampester	*638*
Tetrameryx	836
shuleri	836
Tetrao	*325*
californica	*327*
californicus	*327*
obscurus	*325*
virginianus	*327*
Tetraonidæ	325, *328*
Tetraoninæ	*325*
texanum (Glyptotherium)	421
texanum (Nothrotherium)	406
texanus (Anchippus)	*682*
texanus (Bison)	852
texanus (Canis)	500
texanus (Dromomeryx)	820
texanus (Parahippus)	682
texanus (Platygonus)	773
texanus (Stegomastodon)	633
texensis (Geomys)	879
texensis (Trichasaurus)	59
texensis (Trispondylus)	*59*
texianus (Elephas)	*647*
textilis (Nodosaurus)	236
thærodactylum (Sphærodactylum)	*22*
thærodactylum (Sphæropezium)	*22*
Thalarctos	521
maritimus	521
Thalassarctus	*521*
Thalassemidæ	*75*
Thalassemydæ	*75*
Thalassemydidæ	75
Thalassemydoidæ	75, *83*
Thalassemyidæ	*75*
Thalasseus	342
elegans	342
Thalassochelis	*83*
caretta	*83*
Thalassochelys	*82*
caretta	*82*
corticata	*83*
Thalattosauria	*241*, *258*
Thalattosauromorphi	241
Thalattosauridæ	241
Thalattosauroidea	*241*
Thalattosaurus	241
alexandræ	241
perrini	241
shastensis	241
Thamnophis	270
sirtalis	270

Page

tharus (Polyborus) *321*
Thecachampsa *151, 152*
antiqua *153*
contusor *153*
marylandica *154*
rugosa *154*
sericodon *154*
sicaria *154*
squankensis *154*
Thecodontia *137, 168*
Thecodontosauri *168*
Thecodontosauria *168*
Thecodontosauridæ *169*
Thecodontosaurus *138, 168*, 169
fraserianus *172*
gibbidens 169
polyzelus 169
Thecophora 69
Thenaropus *9*, 22
heterodactylus *9*
leptodactylus 22
macnaughtoni 22
ovoidactylus 22
pachydactylus 22
sphærodactylus 22
theodori (Bathyglyptus) 45
Theranopus *22*
macnaughtoni *22*
Therapsida 60, 61
Theretairus 135
antiquus 135
Theria *385*
Theriodontia *51, 60, 61*
theristocaulodon (Missourium) *628*
theristocaulodon (Missurium) *627*
Therocephalia 61
Theromora *28, 29, 46, 51, 52*
Theromorpha *46, 61*
Therophagi *168*
Theropleura *47*, 50
grandis 50
obtusidens *56*
retroversa 50
triangulata *50*
uniformis *47*
Theropoda 167
Theropsida *61*
Therosauria *202, 203*
Thescelesaurus *207*
Thescelosaurus 207
neglectus 207
warreni 207
Thescelus 73
insiliens 73
rapiens 73
repiens *73*
Thespesius 212, *215*
agilis *215*
edmontoni 212
occidentalis 212
saskatchewanensis 213
Thinobadistes 414
segnis 414
Thinocyon 474
cledensis 474

Page

Thinocyon—*Continued*
medius 474
minimus 474
mustelinus 474
velox 474
Thinohyus *768*
antiquus *768*
decedens *769*
lentus *768*
minor *768*
osmonti *768*
pristinus *768*
rostratus *769*
siouxensis *770*
socialis *769*
subæquans 769
trichænus *769*
Thinolestes *922*
anceps *922*
Thinopus 22
antiquus 22
Thinosaurus *251*
agilis *252*
crassus *252*
grandis *252*
lepidus *248*
leptodus *252*
paucidens *252*
stenodon *248*
Thinotherium 776
annulatum 776
Thiocyon *474*
medius *474*
Thlæodon 391
padanicus 391
Thlæodontidæ *390*
thomasi (Trionyx) *107*
thomasii (Plastomenus) 107
Thomomys 877
beecheyi *878*
bottæ 878
bulbivorous 878
clusius *878*
fuscus 878
leucodon 877, 878
microdon 878
monticola 878
monticolus *878*
occipitalis 878
orientalis 878
palescens 878
scudderi 878
talpoides 878
thompsoni (Ictops) *431*
thomsoni (Alligator) 157
thomsoni (Cynodesmus) 492
thomsoni (Eutypomys) 882
thomsoni (Ictops) 431
thomsoni (Promerycochœrus) 785
thomsoni (Testudo) 105
thooides (Cynodesmus) 492
Thoracosauri *149*
Thoracosauridæ 149
Thoracosaurus 149
basifissus 149

	Page
Thoracosaurus—*Continued*	
basitruncatus	149
brevispinus	149
brinispinus	*150*
cordatus	149
dekayi	*150*
gavialis	*150*
glyptodon	150
grandis	*150*
meirsanus	150
mullicensis	150
neocessariensis	150
obscurus	150
pneumaticus	150
tenebrosus	*149*
Thryosternum	*93*
Thryptacodon	462
antiquus	462
olseni	462
pseudarotos	462
Thylacodon	396
pusillus	396
Thyreophora	*231*
Thyreophoroidea	*231*
tichoceras (Brontotherium)	*721*
tichoceras (Megacerops)	721
Ticholeptus	*787*, 789
bannackensis	789
brachymelis	790
breviceps	790
harrisonensis	*787*
hypsodus	790
petersoni	790
smithi	*788*
zygomaticus	790
Tichosteus	186
æquifacies	186
lucasanus	187
tiedemani (Squalodon)	581
tigrina (Patriofelis)	472
tigrina (Protopsalis)	*472*
tigrinus (Patriofelis)	*472*
Tillodonta	*853*
Tillodonti	*854*
Tillodontia	*397*, 854
Tillodontidæ	*853*, *854*
Tillomys	904
lucaris	904
parvidens	904
parvus	*904*, 904, 905
plicatus	905
senex	905
Tillotheridæ	*855*
Tillotheriidæ	855
Tillotheriinæ	*855*
Tillotherium	855
fodiens	856
hyracoides	856
latidens	856
timida (Chrysemys)	96
Tinoceras	*617*
affine	*618*
anceps	*618*
annectens	*618*
cornutus	*620*
crassifrons	*618*

	Page
Tinoceras—*Continued*	
distans	*618*
galeatus	*620*
grandis	*618*
hians	*618*
ingens	*618*
jugum	*618*
lacustre	*619*
latum	*619*
longiceps	*619*
pugnax	*619*
speirianum	*619*
stenops	*619*
vagans	*619*
Tinoceridæ	*617*
Tinoceros	*617*
Tinodon	370
bellus	371
ferox	*370*
lepidus	371
robustus	*370*
Tinodontidæ	370
Tinodontinæ	*370*
Tinopus	*22*
antiquus	*22*
Tinosaurus	248
lepidus	248
pristinus	248
stenodon	248
tisonensis (Onychodectes)	398
titanelix (Peratherium)	393
Titanoides	613
primævus	613
titanopelopatidus (Eubrontes)	12
Titanophis	*267*
Titanops	*712*, *722*
borealis	*712*
curtus	*722*
elatus	*722*
medius	*722*
Titanotheria	*711*
Titanosaurus	*194*
immanis	*194*
Titanotheridæ	*717*
Titanotheriidæ	*717*
Titanotheriini	*717*
Titanotheroidæ	*711*
Titanotherioidea	*711*
Titanotheriomys	*888*, 891
veterior	891
Titanotherium	*718*
dispar	*721*
elatum	*722*
giganteum	*719*
heloceras	*719*
helocerus	*719*
ingens	*719*
platyceras	*722*
prouti	*719*
proutii	*719*
robustum	*721*
trigonias	*719*
trigonoceras	*719*
trigonoceros	*719*
Titanotheroidea	*711*

Page

Tito 348
pratincola 348
tlascalæ (Rhynchotherium) *639*
tlascale (Rhynchotherium) *639*
tlaxcalæ (Gomphotherium) 639
tlaxcalæ (Rhynchotherium) *639*
trascalæ (Rhynchotherium) *639*
tolmanensis (Cheneosaurus) 217
Tomarctus 509
brevirostris 509
confertus 510
hippophagus 510
marshi 510
mortifer 510
optatus 510
scitulus 510
Tomicosaurus 45
casei 45
Tomiopsis 417
ferruminatus 417
Tomistoma *148, 149*
americana *149*
americanum *149*
Tomistomidæ 148
Tomitherium *921*
affine *922*
rostratum *923*
tutum *921*
Toniornis *279*
altus *279*
Toretocnemus 125
californicus 125
Torosauridæ *220*
Torosaurus 225
gladius 225
latus 226
Torotocnemus *125*
torquatus (Colymbus) *284*
torquatus (Dicrostonyx) *899*
torrejonensis (Compsemys) 89
torrejonensis (Machærosanurus) *256*
torrejonensis (Plastomenus) 107
torridus (Onychomys) 892
torta (Marmota) *871*
tortor (Clidastes) 263
tortor (Platecarpus) *263*
tortulus (Megalonyx) 410
tortus (Castor) *884*
tortus (Dipoides) 884
tortus (Eucastor) *884*
torvus (Menodus) *718*
torvus (Symborodon) 718
Torycheles *86*
latiremis *86*
Totanus 337
melanoleucas 338
townsendi (Scalops) *479*
townsendi (Urocyon) 503
townsendii (Lepus) 863
Toxichnus 22
inæqualis 22
Toxochelydæ *86*
Toxochelydinæ *86*
Toxochelyidæ 86
Toxochelys 86

Page

Toxochelys—*Continued*
bauri 86
brachyrhina 86
elkader 86
latiremis 86
procax 87
serrifer 87
stenopora 87
stenoporus *87*
toxodon (Megalonyx) *410*
Toxodontia *660*
Tracaulodon *625*
godetmani *625*
koahiè *625*
tapiroides *625*
Trachemys 97
bisornata 97
delicata 97
euglypha 97
hilli 97
jarmani 97
nuchocarinata 97
petrolei 97
sculpta 97
trulla 97
Trachodon 209, *213*
altidens 210
annectens *212*
breviceps 211
calamarius 211
cavatus *209*
foulkii *209*
longiceps 211
marginatus *212*
minor *209*
mirabilis 211
paucidens *224*
pentagonus 211
perangulatus 211
tripos *209*
selwyni 212
Trachodontia *208*
Trachodontidæ *208, 208*
Trachodontinæ *208, 209*
trachops (Choneziphius) *583*
Trachyceratops *221*
Trachydermi *252*
Trachydon *210*
Tragoceras *839*
Tragoceros *839*
Tragocerus 839
Tragulidæ 815
Tragulina *815*
Traguloidæ 815
Traguloidea *815*
tragulus (Machæromeryx) 817
transiens (Oxyæna) 471
transmontanus (Leptomeryx) 810
transmontanus (Miolabis) 796
transmontanus (Protolabis) *796*
transversus (Heteromeryx) *813*
transversus (Hypertragulus) 813
transversus (Paradaphænus) 506
Tremarctinæ 517, *522*
Tremarctos *521*, 522

	Page
Tremarctotherium	*521*
californicum	*521*
simum	*522*
trepida (Platypeltis)	112
trepidus (Callospermophilus)	870
Tretosphys	589
gabbii	589
Tretulias	573
buccatus	573
Triacodon	*476*, 478
aculeatus	*476*
fallax	478
fallox	*478*
grandis	*477*, 479
nanus	479
Triænopus	22
baileyanus	22
baileyi	*22*
leptodactylus	*22*
triangulata (Theropleura)	*50*
Tribelesodontidæ	103
tricarinata (Baptemys)	92
tricarinata (Dermatemys)	*92*
Tricentes	462
crassicollidens	462
subtrigonus	462
Triceratops	227
alticornis	228
atticornis	*228*
brevicornis	*228*
brevicornus	228
calcicornis	*228*
calicornis	228
elatus	228
flabellatus	228
galeus	229
galicornis	*228*
horridus	229
ingens	229
obtusus	229
prorsus	229
recurvicornis	*228*
serratus	230
sulcatus	230
Triceratopus	*227*
trichænus (Bothrolabis)	*769*
trichænus (Palæochœrus)	*769*
trichænus (Perchœrus)	769
trichænus (Thinohyus)	*769*
Trichasaurus	59
texensis	59
Trichechidæ	*559*, 658
Trichechiformes	655
Trichechina	*559*
Trichechini	*559*
Trichechus	*559*, 658
antiquus	*656*
divergens	*660*
giganteus	659
latirostris	659
manatus	*659*
obesus	*660*
rosmarus	*660*
Trichecidæ	*559*
Trichecina	*559*
Trichosaurus	*59*
Tricleidus	*119*
laramiensis	*119*
Triconodon	369
bisulcus	*369*
ferox	*370*
Triconodonta	369
Triconodontia	*369*
Triconodontidæ	369
Triconodontinæ	369
tricostatus (Hypertragulus)	*813*
tricuspe (Peratherium)	393
tricuspis (Didelphis)	*393*
tridactylum (Aceratherium)	*743*
tridactylum (Diceratherium)	*743*
tridactylus (Barypodus)	7
tridactylus (Cænopus)	*741*, *742*, 743
tridactylus (Leptaceratherium)	*743*
tridactylus (Subhyracodon)	*743*
tridecemlineatus (Citellus)	869
tridecemlineatus (Sciurus)	*869*
tridecemlineatus (Spermophilus)	*869*
Tridentichnus	22
supaiensis	22
Tridentipes	*21*
ingens	*21*
insignis	*21*
uncus	*21*
trifidus (Hylopus)	*16*
trifidus (Ornithoides)	16
trifrons (Agriochœrus)	778
Trigenicus	810
mammifer	*810*
socialis	810
Trigonias	739
figginsi	740
gregoryi	740
hypostylus	740
nanolophus	*742*
osborni	740, *742*
paucidens	740
precopei	740
preoccidentalis	740
secundus	740
taylori	740
wellsi	740
trigonias (Titanotherium)	*719*
trigonocephalus (Eporeodon)	783
trigonoceras (Menodus)	719
trigonoceras (Titanotherium)	*719*
trigonoceros (Titanotherium)	*719*
trigonodum (Leptaceratherium)	741
trigonodus (Cænopus)	*741*
trigonodus (Pelycodus)	921
Trigonolestes	*753*, *756*
brachystomus	*756*
chacensis	*756*
etsagicus	*753*, *756*
metsiacus	*756*
nuptus	*756*
secans	*756*
Trigonolestidæ	*425*
trigonostylus (Mesohippus)	675
Trihamus	22
elegans	22
magnus	23
trihedrodon (Antrodemus)	174

Page

trihedrodon (Dryptosaurus) 174
trihedrodon (Lælaps) 174
trihedrodon (Megalosaurus) 174
trihedrus (Claorhynchus) 216
Triisodon 465
biculminatus 465
gaudrianus 465
gaudryanus 465
heilprinianus 465, 466
quivirensis 465
Triisodontidæ 465
Triisodontinæ 465
trilateralis (Dicrocerus) 816
trilateralis (Merycodus) 816
trilateralis (Palæomeryx) 816
trilobatus (Phenacodus) 605
Trilophodon 624, 634
abeli 635
brevidens 635
campester 635
cimarronis 635
edensis 631
euhypodon 636
euphyodon 636
floridanus 636
giganteus 637
hicksi 631
leidii 637
ligoniferus 637
lulli 637
morrilli 637
obscurus 637
osborni 637
paladentatum 637
phippsi 637
pojoaquensis 637
præcursor 637
proavus 638
productus 638
serridens 635, 639
shepardi 631, 639
simplicidens 639
tulli 637
willistoni 639
Trilophodontidæ 623
Trilophosaurus 36
buettneri 36
trilophus (Adjidaumo) 881
trilophus (Adjidaumus) 881
trilophus (Gymnoptychus) 881
Trinacromerum 117
anonymum 117
bentonianum 117
latimanus 117
osborni 117
Tringa 332, 337
alpina 337
bella 332
Tringariæ 337
Tringinæ 337
Trionicidæ 107
Trionyces 105, 107
Trionychia 105
Trionychida 105
Trionychidæ 107
Trionychides 107

Page

Trionychii 105, 107
Trionychiidæ 107
Trionychinæ 105, 107
Trionychoidæ 105
Trionychoidea 105
trionychoides (Anosteira) 113
trionychoides (Anostira) 113
trionychoides (Plastomenus) 113
trionychoides (Platypeltis) 113
Trionycidæ 105, 107
Trionycideæ 107
Trionyx 107, 108, 110, 112
admirabilis 110
æquus 110
buiei 110
cariosus 110
cellulosus 111
coalescens 108
concentricus 111
crassus 111
egregius 111
ferox 112
foveatus 108
franciscæ 111
guttatus 109
halophilus 111
heteroglytus 112
leptomitus 106
leucopotamicus 112
lima 111
mirus 111
pennatus 931
priscus 111
punctiger 112
radula 111
salebrosus 111
scutumantiquum 111
serialis 112
singularis 109
thomasi 107
tritor 111
uintaënsis 111
vagans 108, 109, 110
ventricosus 111
virginianus 111
Trioracodon 369
bisulcus 369
triplex (Palæolagus) 866
triplex (Xiphopeza) 23
Triplopidæ 734
Triplopodidæ 734
Triplopodinæ 734
Triplopus 725, 734, 735
amarorum 725
cubitalis 735
grangeri 735
obliquidens 735
tripos (Hadrosaurus) 209
tripos (Trachodon) 209
Tripriodon 382
caperatus 382
cœlatus 382
Trisodon 465
Trispondylus 59, 604
texensis 59

	Page
Tritemnodon	478
agile	478
agilis	478
whitiæ	478
tritor (Amyda)	111
tritor (Aspidonectes)	111
tritor (Trionyx)	111
Trituberculata	371
Trituberculati	371
troglodytes (Smilodontopsis)	547
Trogolemur	447
myodes	447
myoides	447
Trogostus	855
Trogosus	855
castoridens	855
minor	855
vetulus	855
Troödontidæ	207
Troodon	207
brevis	207
formosus	207
validus	207
tropicum (Mammut)	632
tropicus (Anancus)	632
tropicus (Cordillarion)	633
tropicus (Dibelodon)	633
tropicus (Mastodon)	632
Tropidonotus	270
trouessartianus (Ptilodus)	380
trovessartianus (Ptilodus)	380
troxelli (Peraceras)	748
Trucifelis	548
fatalis	549
floridanus	549
trulla (Trachemys)	97
truncatus (Chriacus)	461
truquianum (Aceratherium)	745
truquianum (Diceratherium)	745
truquianus (Cænopus)	745
tryptychus (Pantylus)	45
tuberatus (Anchisauripus)	3
tuberatus (Brontozoum)	3
tuberatus (Eubrontes)	3
tuberculatus (Bottosaurus)	158
tuberculatus (Glyptosaurus)	254
tuberculatus (Helodermoides)	254
tuberculatus (Pontobasileus)	571
tuberosa (Cybele)	3
tuberosa (Neptunochelys)	78
tuberosa (Protostega)	77
tuberosus (Anchisauripus)	3
tuberosus (Eubrontes)	3
tubifer (Aceratherium)	743
tubifer (Anchisodon)	743
tubifer (Cænopus)	743
Tubinares	287
tuitus (Citellus)	869
tulli (Trilophodon)	637
tumidus (Hadrianus)	100
tumidus (Stagodon)	392
Tupaia	451
Tupaioidea	451
Tupaiidæ	451
Tupajidæ	451
Tupavidæ	451

	Page
turbatans (Ammobatrachus)	2
turgida (Testudo)	105
turgidunculus (Mioclænus)	608
turgidus (Agomphus)	91
turgidus (Mioclænus)	608
turgidus (Palæblagus)	866
turriculorum (Uintanius)	927
tutum (Tomitherium)	921
tutus (Euoplocephalus)	238
tutus (Euplocephalus)	238
tutus (Europlocephalus)	238
tutus (Pelycodus)	921
tutus (Stereocephalus)	238
tyleri (Megacerops)	721
tyleri (Parahippus)	682
tyleri (Stenomylus)	809
Tylopoda	791
Tylopodidæ	791
Tylosaurinæ	258
Tylosaurus	258
congrops	259
dyspelor	259
laticaudus	259
micromus	259
nepæolicus	259
perlatus	259
proriger	259
rapax	259
sectorius	259
Tylosteus	239
ornatus	239
tympaniticus (Platecarpus)	261
Tympanuchus	326
lulli	326
pallidicinctus	326
pallidicinctus (Cupidonia)	326
typhoius (Buteo)	316
typicus (Equus)	703
typicus (Orohippus)	671
Typopus	23
abnormis	23
gracilis	23
Typothoracidæ	138
Typothorax	138
coccinarum	138
typus (Bathrodon)	450
typus (Ischyromys)	891
typus (Microsyops)	450
typus (Phenacocœlus)	789
Tyrannosauridæ	176, 179
Tyrannosaurinæ	179
Tyrannosaurus	179
amplus	180
rex	180
tyrannus (Limnotherium)	923
tyrannus (Notharctus)	923
tyrelli (Ovibos)	847
tyrelli (Saphoceros)	847
tyrelli (Scaphoceros)	847
tyrelli (Symbos)	847
Tytthoconus	368
Tyttoconus	368
tenuirostris	368
tysonii (Zarhachis)	596
Tyto	348
perlata	348

Page

Tyto—*Continued*
pratincola 348
Tytonidæ 348
Uceratherium *844*
Uintacolotherium 619
blayneyi 619
Uintacyon 484
acutus 484
bathygnathus 484
brevirostris *486*
canavus *486*
edax 484
jugulans 484
major 484
massetericus 484
promicrodon *485*
pugnax *486*
rudis 484
scotti 484
vorax 484
vulpinus *485*
Uintacyonidæ *481*
uintaënsis (Trionyx) *111*
uintahensis (Stehlinius) *447*
Uintanius 927
turriculorum 927
uintanus (Aminippus) *671*
uintanus (Orohippus) 671
uintanus (Orotherium) *671*
Uintasaurus 192
douglassi 192
Uintasorex 446
parvulus 446
Uintatheridæ *617*
Uintatheriidæ *617*
Uintatherium 617
affine 618
agreste 618
alticeps 618
anceps 618
annectens 618
cornutum *620*
crassifrons 618
cuneum 618
distans 618
grande 618
hians 618
ingens 618
jugum 618
lacustre 619
laticeps 619
latifrons 619
latum 619
leidianum 619
leidyanum *619*
longiceps 619
lucare 619
mirabile 619
princeps 619
pugnax 619
reflexum 619
robustum 619
segne 619
speirianum 619
stenops 619
vagans 619

Page

uintense (Achænodon) *761*
uintense (Elotherium) *761*
uintense (Protelotherium) *761*
uintense (Prothyracodon) *735*
uintensis (Achænodon) 762
uintensis (Anaptomorphus) *924*
uintensis (Dromocyon) *469*
uintensis (Echmatemys) 96
uintensis (Epihippus) 672
uintensis (Epitriplopus) 735
uintensis (Harpagolestes) 469
uintensis (Homogalax) 727
uintensis (Hyopsodus) 444
uintensis (Manteoceras) 715
uintensis (Mesonyx) *469*
uintensis (Miacis) 485
uintensis (Microsyops) *924*
uintensis (Notharctus) 924
uintensis (Notomorpha) *96*
uintensis (Omomys) *924*
uintensis (Orohippus) *672*
uintensis (Paramys) 903
uintensis (Prodaphænus) *486*
uintensis (Sphenocœlus) 717
uintensis (Stehlinius) 447
uintensis (Testudo) 105
Uintornis 353
lucaris 353
Ulias 573
moratus 573
ulta (Patriofelis) 472, *473*
ultimum (Telmatherium) 714
ultimus (Archaeohippus) *683*
ultimus (Eucosmodon) 379
ultimus (Leurospondylus) 119
ultimus (Manteoceras) *713*
ultimus (Miohippus) *683*
ultimus (Palæosyops) 713
ultimus (Parahippus) 683
umbellus (Bonasa) 325
umbellus (Tetrao) *325*
umbrosus (Cathartes) *313*
umbrosus (Palæoborus) 313
umbrosus (Vultur) *313*
unabunda (Testudo) *105*
Uncia 547, *553*
inexpectata *553*
merceri *547*
uncus (Steropoides) 21
uncus (Tridentipes) *21*
undabuna (Testudo) 105
undans (Paramys) *909*
undans (Sciuravus) 909
undans (Tanyops) 729
undata (Baëna) *73*
undata (Testudo) 105
undatum (Chisternon) 73
unguifer (Barillopus) 6
unguifer (Baropus) *6*
unguifer (Palæosauropus) *20*
unguifer (Pseudobradypus) 20
unguifer (Sauropus) *20*
Ungulata 600
Ungulati *600*
ungulatus (Stegosaurus) 234, 235
unicornis (Cranioceras) 840

	Page
unicum (Epoicotherium)	422
unicum (Xenotherium)	*422*
uniformis (Paleosaurus)	47
uniformis (Poliosaurus)	47
uniformis (Theropleura)	*47*
unipedale (Diacium)	*255*
unipedalis (Cremastosaurus)	255
unipedalis (Platyrhachis)	*255*
uræus (Priscodelphinus)	592
Uria	343
affinis	343
antiqua	343
Uriinæ	*343*
Urinator	*284*
Urocyon	503
californicus	503
cinereoargentatus	*503*
cinereoargenteus	503
latidentatus	*503*
townsendi	503
virginianus	*503*
Uronaites	*121*
Uronautes	121
cetiformis	121
urophasianus (Centrocercus)	326
Ursavus	518
pawniensis	518
Ursida	*517*
Ursidæ	516, 517
ursidens (Anacodon)	464
Ursina	*517*
Ursinæ	*517*
Ursini	*517*
Ursinidæ	*517*
ursinus (Ælurodon)	*513*
ursinus (Amphicyon)	*513*
ursinus (Canis)	*513*
ursinus (Dinocyon)	*513*
ursinus (Hemicyon)	513
ursinus (Pliocyon)	*513*
ursirivalis (Protentomodon)	435
Urso-Canidi	*488*
Ursoidæ	488
Ursus	518, *521*
americanus	*520*
amplidens	519
arctos	520
floridanus	*520*
haplodon	*523*
maritimus	*521*
procerus	519
vitabilis	519
Urubitinga	318
enecta	318
utahensis (Glyptops)	70
utahensis (Hadrianus)	100
utterbackii (Haplacanthosaurus)	*192*
utterbackii (Haplocanthosaurus)	192
vaccinsulensis (Champsosaurus)	*116*
vaccinsulensis (Plesiosaurus)	116
vacondæ (Camelops)	805
vafer (Canis)	*494*
vafer (Compsemys)	89
vafer (Leptocyon)	494
vafer (Tephrocyon)	*495*
vaga (Lutra)	*537*
vaga (Testudo)	105
vagans (Aspideretes)	109
vagans (Homacodon)	754
vagans (Limopus)	*16*
vagans (Macelognathus)	187
vagans (Palæotringa)	338
vagans (Phalacrocorax)	*338*
vagans (Tinoceras)	*619*
vagans (Trionyx)	*108, 109, 110*
vagans (Uintatherium)	619
vagans (Xestops)	255
vagrans (Hesperhys)	771
vagrans (Sorex)	441
vagus (Limnopus)	15
vagus (Omomys)	926
vagus (Palæacodon)	*926*
vagus (Parahyus)	762
valens (Antrodemus)	*184*
valens (Didelphis)	394
valens (Megalosaurus)	*174*
valens (Octacodon)	759
valens (Paurodon)	371
valens (Poicilopleuron)	*174*
validum (Brontozoum)	*3*
validum (Telmatherium)	714
validus (Ælurodon)	495
validus (Belodon)	*143, 145*
validus (Brontops)	*721*
validus (Clidastes)	*264*
validus (Eohippus)	669
validus (Helohyus)	761
validus (Ichthyornis)	282
validus (Machæroprosopus)	144
validus (Megalonyx)	410
validus (Mesohippus)	*677*
validus (Miohippus)	677
validus (Nectoportheus)	264
validus (Phytosaurus)	142, *145*
validus (Protapirus)	729
validus (Rhytidodon)	*145*
validus (Rutiodon)	*142*, 145
validus (Stagodon)	392
validus (Stegoceras)	*208*
validus (Stylacodon)	373
validus (Tapiravus)	729
validus (Troödon)	208
valisineria (Marila)	307
vallidens (Manteoceras)	*714*
vallidens (Palæosyops)	*714*
vallidens (Telmatherium)	714
vanrossemi (Limosa)	338
vantasselensis (Promerycochœrus)	785
Varanidæ	251
Varaninæ	*251*
Varanoidea	*251*
Varanoöps	48
brevirostris	48
Varanops	*48*
brevirostris	*48*
Varanosaurus	47
acutirostris	48
brevirostris	*48*
Varanus	*251*
variabilis (Hylopus)	15
varians (Menops)	*722*
varica (Platypterna)	*18*

	Page
variolosa (Basilemys)	*88*
variolosus (Adocus)	*88*
variolosus (Basilemys)	88
vasacciense (Hyracotherium)	*669*
vasacciensis (Eohippus)	669
vasachiense (Lophiotherium)	*669*
vasachiensis (Notharctus)	*669*
Vassacyon	485
promicrodon	485
veatleianus (Clepsysaurus)	172
vebbianus (Goniopholis)	146
vebbianus (Hyposaurus)	*146*
vebbii (Hyposaurus)	*146*
vegetus (Aspideretes)	110
vellerosus (Microtus)	*898*
vellicans (Merychippus)	687
vellicatus (Archæobelus)	60
velox (Accipiter)	315
velox (Clidastes)	263
velox (Dromocyon)	*469*
velox (Dromopus)	11
velox (Edestosaurus)	*264*
velox (Falco)	*315*
velox (Graculavus)	293
velox (Limnocyon)	*474*
velox (Limosavus)	*293*
velox (Nyctitherium)	435
velox (Ornithomimus)	183
velox (Pteranodon)	163
velox (Thinocyon)	474
velox (Zarhachis)	596
venator (Temnocyon)	506
ventanus (Coryphodon)	616
ventanus (Didelphodus)	432
venticolum (Hyracotherium)	*669*
venticolus (Eohippus)	669
venticolus (Notharctus)	924
venticolus (Pelycodus)	*924*
venticolus (Protorohippus)	*669, 670*
ventorum (Heptodon)	724
ventricosa (Amyda)	111
ventricosus (Trionyx)	*111*
venustum (Hipparion)	694
venustum (Hippotherium)	*694*
venustum (Neohipparion)	*695*
venustus (Aletornis)	332
venustus (Antiacodon)	754
venustus (Delphinodon)	588
venustus (Erethizon)	*885*
venustus (Fulica)	*332*
venustus (Hystricops)	885
venustus (Hystrix)	*885*
venustus (Laodon)	*373*
vera (Carnivora)	488
vera (Pliauchenia)	802
vera (Sinopa)	477
veredus (Bathornis)	339
vermontana (Beluga)	*594*
vermontanus (Delphinapterus)	594
vero (Larus)	341
veroensis (Tapirus)	731
veronis (Felis)	554
verus (Limnocyon)	474, *479*
verus (Microsyops)	450
verus (Palæacodon)	*450*
verus (Stypolophus)	*474, 477*

	Page
Vespertilio	*454*
fuscus	*455*
grandis	*455*
gryphus	*454*
subulatus	*454*
Vespertilioneæ	*454*
Vespertiliones	*454*
Vespertilionidæ	454
Vespertilionina	*454*
Vespertilioninæ	454
Vespertilionini	*454*
Vespertilionoidæ	453
Verpertilionoidea	*453*
vespertinus (Omomys)	926
Vesperugo	*454*
anemofilus	*455*
anemophilus	*455*
serotinus	*435*
veterior (Ischyromys)	*891*
veterior (Titanotheriomys)	891
veterrima (Palæosinopa)	426
vetulus (Anchippodus)	*855*
vetulus (Trogosus)	855
vetus (Amphicyon)	*505*
vetus (Arctomys)	*868*
vetus (Daphænus)	*505*
vetus (Daphœnus)	505
vetus (Heliscomys)	880
vetus (Hypolagus)	866
vetus (Lepus)	*866*
vetus (Lobodon)	562
vetus (Mylagaulus)	908
vetus (Ogmorhinus)	562
vetus (Palæarctomys)	868
vetus (Palæotringa)	338
vetus (Physeter)	597
vetus (Platigonus)	*773, 774*
vetus (Platygonus)	*772*, 773
vetus (Polygonodon)	264
vetus (Stenorhynchus)	*562*
vetustus (Cimoliasaurus)	*120*
vetustus (Discosaurus)	120
vetustus (Nanopus)	16
vetustus (Prosciurus)	904
vetustus (Sciurus)	*904*
viæmalæ (Dystrophæus)	201
viemale (Dystrophæus)	*201*
viemale (Symphyrophus)	*201*
vicarius (Hyopsodus)	*444*
victa (Compsemys)	*89*
victor (Dicrocynodon)	375
victor (Diplocynodon)	*375*
victor (Hallopas)	*188*
victor (Hallopus)	188
victor (Ichthyornis)	282
victor (Nannosaurus)	*188*
victor (Nanosaurus)	*188*
victus (Compsemys)	89
vigoratus (Adocus)	90
vigoratus (Blastomeryx)	819
vigoratus (Dromomeryx)	*819*
vinearius (Graphiodon)	598
vinslovii (Clepsydrops)	53
vintanum (Orotherium)	*671*
Viperidæ	*270*
virgasectus (Epiaphelops)	746

	Page
virginiana (Amyda)	111
virginiana (Dama)	*822*
virginiana (Didelphis)	394
virginiana (Didelphys)	*394*
virginiana (Mazama)	*822*
virginiana (Trionyx)	*111*
virginianum (Odobenotherium)	*560*
virginianus (Bubo)	350
virginianus (Canis)	*503*
virginianus (Cariacus)	*821*
virginianus (Cervus)	*822*
virginianus (Colinus)	327
virginianus (Dorcelaphus)	822
virginianus (Odobenotherium)	*560*
virginianus (Odobenus)	560
virginianus (Odocoileus)	821
virginianus (Rosmarus)	*460*
virginians (Rallus)	334
virginianus (Tetrao)	*327*
virginianus (Trichechus)	*560*
virginianus (Trionyx)	*111*
virginianus (Urocyon)	*503*
virginianus (Vulpes)	503
virginiensis (Camelops)	805
virginiensis (Procamelus)	*805*
viridis (Chelone)	*82*
visendus (Plastomenus)	107
visheri (Caimanoidea)	158
vison (Lutreola)	*529*
vison (Mustela)	529
vison (Putorius)	*529*
vitabilis (Euarctos)	*519*
vitabilis (Ursus)	519
vitakeri (Auchenia)	*805*
vitakerianus (Auchenia)	*805*
vitakerianus (Camelops)	*804*, 805
vitakerianus (Holomeniscus)	*805*
vitulina (Phoca)	564
vitulinus (Calocephalus)	*564*
vitulinus (Callocephalus)	*564*
vitus (Daphœnus)	*505*
viverinus (Stypolophus)	477
Viverravidæ	*482*
Viverra	*534*
putorius	*534*
Viverravinæ	482
Viverravus	*482*, 483
acutus	483
altidens	*482*
curtidens	*482*
dawkinsianus	483
gracilis	*478*, 483, *487*
haydenianus	*482*
leptomylus	*482*
massetericus	*484*
minutus	483
nitidus	483
politus	483
protenus	*482*, *483*
sicarius	483
vulpinus	*483*
viverrina (Sinopa)	477
viverrinus (Stypolophus)	*477*
vociferus (Ægialitis)	*336*
vociferus (Charadrius)	*336*
vociferus (Oxyechus)	336
volans (Glaucomys)	875
volans (Sciuropterus)	*875*
vorax (Aspideretes)	110
vorax (Crocodilus)	*154*
vorax (Crocodylus)	154
vorax (Didelphodon)	391
vorax (Didelphops)	*391*
vorax (Dromocyon)	469
vorax (Dryolestes)	373
vorax (Mesonyx)	*469*
vorax (Patriofelis)	*472*
vorax (Phascolestes)	373
vorax (Stypolophus)	*477*
vorax (Synoplotherium)	*468*
vorax (Uintacyon)	484
vortmani (Phenacodus)	*606*
vortmani (Sciurus)	*904*
vortmanni (Parasciurus)	*904*
vulcanorum (Pliauchenia)	802
vulgaris (Macropterna)	*18*
Vulpavidæ	*481*
Vulpavus	486, *714*
australis	486
brevirostris	*486*
canavus	486
completus	486
hargeri	*485*
marshii	*714*
ovatus	486
palustris	*485*, 487
parvivorus	*485*
profectus	487
vulpecula (Sinopa)	478
vulpes (Canis)	*502*
Vulpes	502
cascadensis	502
fulva	502
fulvus	*502*
latidentata	503
palmaria	503
palmoria	*503*
pennsylvanicus	*502*, *503*
virginianus	*503*
vulpiceps (Procyonodictis)	490
vulpinus (Amphicyon)	*485*
vulpinus (Harpalodon)	*483*
vulpinus (Miacis)	485
vulpinus (Nothocyon)	*493*
vulpinus (Uintacyon)	*485*
vulpinus (Viverravus)	*483*
Vultur	*311*, 312
aura	*311*
californianus	*312*
clarki	313
umbrosus	*313*
Vulturidæ	310
Vulturinæ	*310*
Vulturoidæ	310
walcotti (Allops)	720
walcottianus (Hyopsodus)	444
walkeri (Parasaurolophus)	219
wallovianus (Temnocyon)	506
wanlessi (Archæotherium)	764
warreni (Merycodus)	832
warreni (Thescelosaurus)	207
warrenii (Cervus)	*832*

	Page
wartheni (Allognathosuchus)	155
Wasatchia	753
dorseyana	753
grangeri	753
lysitensis	753
washakiensis (Manteoceras)	715
Washakius	927
insignis	927
washakius (Miacis)	485
washakius (Neovulpavus)	*485*
washingtonii (Elephas)	650
washingtonii (Lepus)	863
webbi (Hyposaurus)	*146*
weillsi (Jabiru)	297
wellsi (Blastomeryx)	819
wellsi (Trigonias)	740
westii (Clidastes)	264
westoni (Mesohippus)	675
westonii (Miohippus)	*675*
Wetmoregyps	317
daggetti	317
wheatleyi (Megalonyx)	410
wheeleri (Crocodylus)	154
wheelerianus (Ælurodon)	496
wheelerianus (Canis)	*491*
whiteæ (Sinopa)	*478*
whiteæ (Stypolophus)	*478*
whitei (Hyloidichnus)	14
whitfordi (Dromomeryx)	820
whitfordi (Eusmilus)	545
whithordi (Dromomeryx)	*820*
whitiæ (Sinopa)	*478*
whitiæ (Tritemnodon)	478
whitneyi (Athene)	*350*
whitneyi (Dama)	*822*
whitneyi (Hipparion)	695
whitneyi (Micrathene)	*350*
whitneyi (Micropallas)	350
whitneyi (Neohipparion)	*695*
whitneyi (Odocoileus)	822
whitneyi (Terrapene)	99
wielandi (Lytoloma)	77
willetti (Sula)	291
willistoni (Bassariscops)	516
willistoni (Bison)	*849*
willistoni (Cœlophysis)	186
willistoni (Gomphotherium)	639
willistoni (Goniocephalus)	*835*
willistoni (Phlaocyon)	514
willistoni (Serridentinus)	*639*
willistoni (Tanystropheus)	*186*
willistoni (Tetrabelodon)	*639*
willistoni (Trilophodon)	*639*
willoughbyi (Cardiocephalus)	*32*
willoughbvi (Gymnarthrus)	32
wilsoni (Carolinochelys)	80
wilsoni (Poëbrotherium)	794
wilsonianus (Asio)	351
wilsonianus (Otus)	*351*
Winfieldia	50
hilli	50
wingatensis (Acompsosaurus)	140
withneyi (Odocoileus)	*822*
woodwardi (Morphnus)	*316*
woodworthi (Dromopus)	11
wortmani (Coryphodon)	616
wortmani (Hyopsodus)	444
wortmani (Leptarctus)	535
wortmani (Paratylopus)	797
wortmani (Phenacodus)	606
wortmani (Prosciurus)	904
Wortmania	399
otariidens	399
wortmanni (Hyopsodus)	*444*
wymani (Clidastes)	264
wymani (Delphinodon)	*588*
wymani (Edestosaurus)	*264*
wymani (Phoca)	*564*
wymanianus (Chelichnus)	9
wyomingensis (Baptemys)	92
wyomingensis (Chrysemys)	*96*
wyomingensis (Echmatemys)	96
wyomingensis (Emys)	*95, 96*
wyomingensis (Gallinuloides)	325
wyomingensis (Neurankylus)	71
wyomingensis (Palæobonasa)	*325*
wyomingensis (Parasaniwa)	252
Xacanthus	*592*
Xanthocephalus	357
xanthocephalus	357
xanthocephalus (Icterus)	*357*
xanthocephalus (Xanthocephalus)	357
Xema	341
sabini	341
sabinii	*341*
Xenacodon	432
mutilatus	432
Xenarthra	401
Xenochelys	92
formosa	92
Xenodontinæ	*269*
Xenorophus	580
sloanii	580
xenos (Diasparactus)	*86*
Xenotherium	*422*
unicum	*422*
Xerobates	*101, 104*
orthopygia	*104*
polyphemys	*101*
Xestops	255
gracilis	255
lentus	255
microdus	255
minutus	255
miuntis	*255*
pawneensis	255
vagans	255
xiphidonticus (Prosthennops)	771
Xiphii	*582*
Xiphiini	*582*
Xiphopeza	23
triplex	23
yakiensis (Stenichnus)	20
Yalavis	360
tenuipes	360
yukonense (Arctotherium)	522
yukonensis (Ovibos)	846
Zalambdodonta	*425*
Zalophus	557
Zamenis	*269*
constrictor	*269*
Zanclodon	*168*

Page

Zanclodontidæ ---- 168, *170*
Zanclodontoidæ ---- 168
Zanycteris ---- *456*
  paleocenus ---- *456*
Zaphalis ---- *181*
  abradus ---- *181*
Zapodidæ ---- 909
Zapodinæ ---- 909
Zapsalis ---- 181
  abradens ---- 181
Zapus ---- 909
  hudsonicus ---- *909*
  hudsonius ---- 909
Zarhachis ---- 596
  flagellator ---- 596
  tysonii ---- 596
  velox ---- 596
Zarrhachis ---- *596*
Zatomus ---- 143
  sarcophagus ---- 143
Zenaidura ---- 345
  carolinensis ---- 345
  macroura ---- 345
zenos (Diasparactus) ---- 36
Zerobates ---- *101*
Zetodon ---- 612
  gracilis ---- 612
Zeuglodon ---- *568, 569*
  brachyspondylus ---- *568, 570*
  cetoides ---- *570*
  hydrarchus ---- *568*
  macrospondylus ---- *570*
  minor ---- *568*
  pygmæus ---- *579*
Zeuglodontes ---- 567
Zeuglodonti ---- *569*
Zeuglodontia ---- *568*

Page

Zeuglodontidæ ---- *569*
Zeuglodontinæ ---- *569*
zibethica (Ondatra) ---- 901
zibethicus (Fiber) ---- *901*
zibethicus (Lemmus) ---- *901*
zibethicus (Mus) ---- *901*
ziegleri (Platygonus) ---- 773
Ziphacodon ---- *483*, 487
  rugatus ---- *483*, 487
Ziphiadæ ---- *582*
Ziphiidæ ---- 582
Ziphiina ---- *582*
Ziphiinæ ---- 582
Ziphiini ---- *582*
Ziphiopsis ---- *583*
  phymatodes ---- *583*
Ziphius ---- *582, 583*
  longirostris ---- *583, 585*
  planirostris ---- *583*
  planus ---- *583*
ziphodon (Limnosaurus) ---- 155
zitteli (Leptocheirus) ---- *125*
zitteli (Merriamia) ---- 125
zitteli (Merriana) ---- *125*
zuniensis (Gidleya) ---- 844
zuniensis (Liops) ---- *844*
zuniensis (Lissops) ---- *844*
Zygolophodon ---- *624, 634*
  americanum ---- *624*
zygomaticus (Megachœrus) ---- 765
zygomaticus (Merychyus) ---- *790*
zygomaticus (Ticholeptus) ---- 790
Zygoramma ---- 91
  microglypha ---- 91
  striatula ---- 91
Zygorhiza ---- 568
  minor ---- 568

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